May 2015

NSF-51 NSF-61 ISO 9001 ISO 14001

# DMfit®






DMT

www.dmfit.com

# 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.

ISO 9001 ISO 14001

Since our creation in 1987, we have taken a leading position in the plastic extruded casing industry because of our quality-first mindset, integrity and technical leadership.

Now, we have made a second bold leap - into the fittings business. The 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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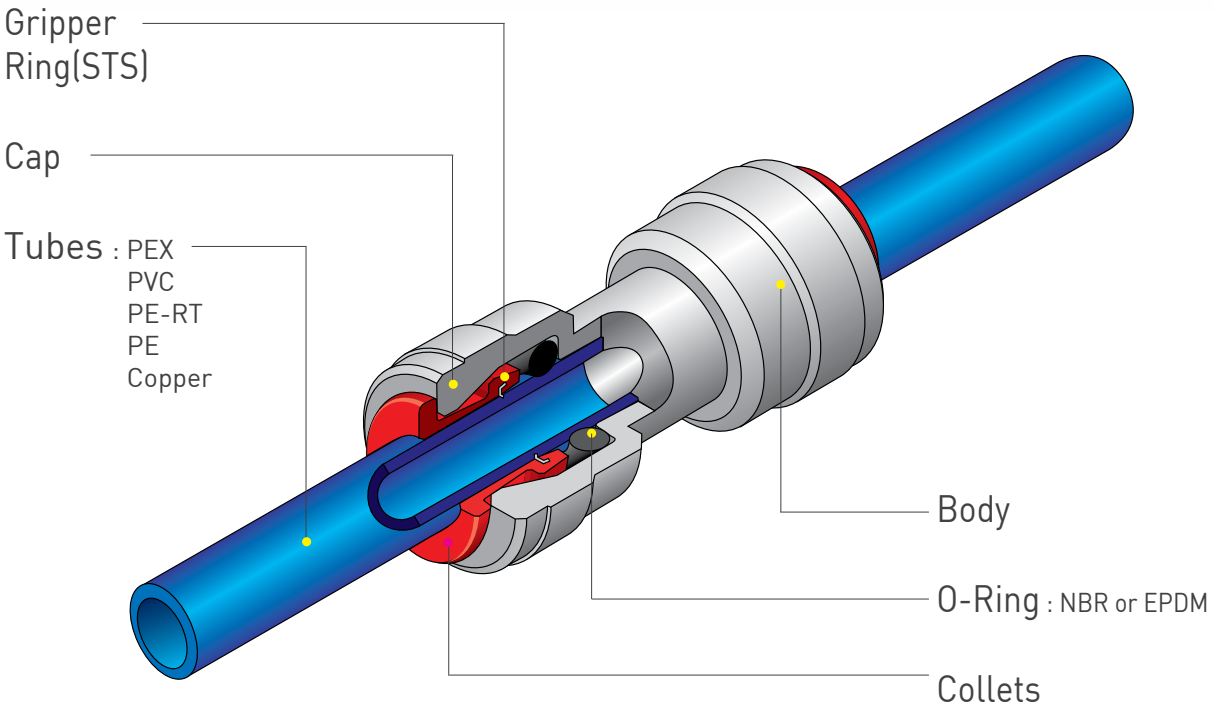
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# PUSH-IN TUBE FITTINGS




## ■ Material Standards

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

## ■ Fitting Working Pressure and Temperature

| SIZE / Temperature | Small Size | | | | | | Large Size | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5/32" | 3/16" | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | | 7/8" | | 28mm |
| | 4mm | 5mm | 6mm | 8mm | 10mm | 12mm | 15mm | 16mm | 18mm | 22mm | |
| 1℃ (34°F) | 16bar (230PSI) | | | | 11bar (170PSI) | | 11bar (170PSI) | | | | |
| 20℃ (68°F) | 16bar (230PSI) | | | | 11bar (170PSI) | | 11bar (170PSI) | | | | |
| 65℃ (150°F) | 10bar (150PSI) | | | | 7bar (100PSI) | | 7bar (100PSI) | | | | |

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

| Size | | Tolerance |
|---|---|---|
| Small Size | 5/32", 4mm | ±0.004"(±0.1mm) |
| | 3/16", 5mm | |
| | 1/4", 6mm | |
| | 5/16", 8mm | |
| | 3/8", 10mm | |
| | 1/2", 12mm | |
| Large Size | 5/8", 15(16)mm | |
| | 7/8", 18(22)mm | |
| | 28mm | |

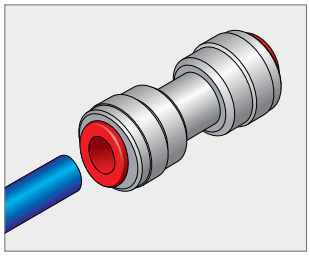
※ For use at higher temperatures or pressures, please contact your DMfit representative for assistance.

## ■ Maximum Permissible Torque

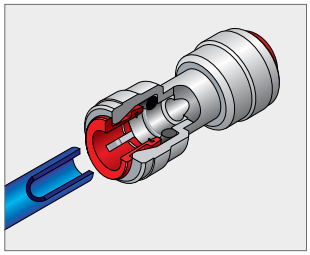
| Torque / Thread | | | 1/8", 1/4" | | 3/8", 1/2" | | 3/4" |
|---|---|---|---|---|---|---|---|
| Plastic | Maximum Torque | (Nm) | 1.5 | | 3.0 | | 4.0 |
| Steel | Maximum Torque | (Nm) | 7.0~9.0 | 12.0~14.0 | 22.0~24.0 | 28.0~30.0 | 40.0 |

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

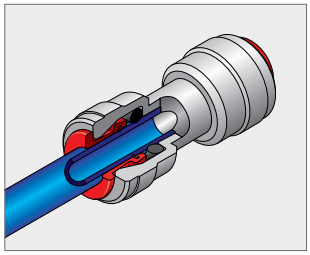
## Installing DMfit Fittings



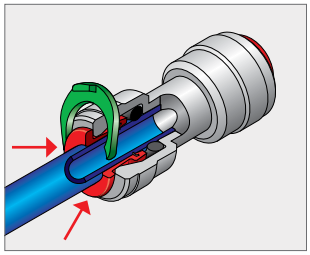
- Cut the part of the tube to be inserted into the fitting to plane the end.
- Make sure to use a clean tube without any foreign material or cracks.



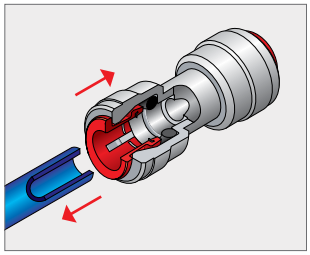
- When inserting the tube, remove any obstructions before fully inserting the tube. Make sure the tube is fully inserted.
- Inserting the tube into the fitting only takes moderate force. The tube or fitting should not be scratched or damaged in the process, as this is the main cause for water leaks later on.



- To make sure that the fitting is properly connected to the tube, pull it once. After pulling, insert a spanner under the collet and push the tube into the fitting once more for a complete insertion.



- When no play is desired for the fitting and tube, use our company's LC to eliminate the play of the fitting.



- Make sure to completely eliminate pressure before disassembling the fitting.
- When disassembling the tube, push the clip in direction of the main assembly and then pull the tube out for easy disassembling.
- Fittings and tubes can be reused.

## Terms and Conditions

Please read, understand, and follow all instructions, precautions, and warnings prior to using Dmfit® 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 contact DMT for advice.

② Do not disassemble or modify the individual product, as this may cause a product malfunction, leak, or failture 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 malfuction, leak, or failure and voids the product warranty,

④ Do not use the product where ambient temperature or fluid temperature may exceed 65℃(150℉) in domestic environment Food & Drink, inderstrial Pneumatic. This may damage the fitting and cause malfuction, leak, or failure.

⑤ Do not use pipe dope or other liquid thread sealers. Use only Teflon 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® 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® products to tubing or connecting elements other than DMfit® 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 O.D 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.

⑰ TS(Tube Support) supports to soft tube and tube at 65℃(150℉) of ambient and fluid temperature.

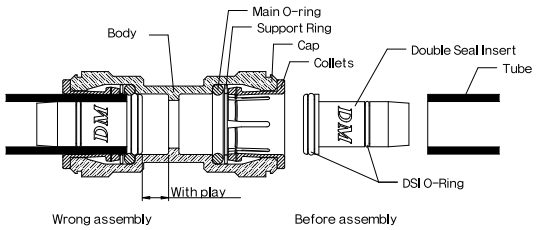
⑱ Our threaded fittings should be complied with our specification. (ref. page4)

## Material Characteristics

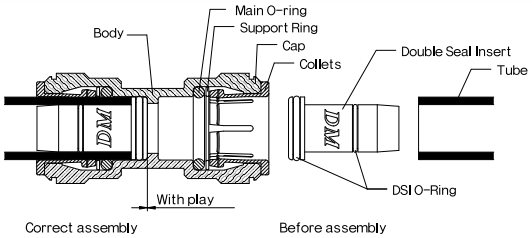
- **Acetal** : Also known as POM. Highly durable and resistant to fatigue and creep. It has high resistance to a wide range of organic & inorganic chemicals and detergents. Not recommended for use with strong acids or repeated exposure to strong oxidizers.
- **Polypropylene** : Has excellent chemical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

# PUSH-IN TUBE FITTINGS

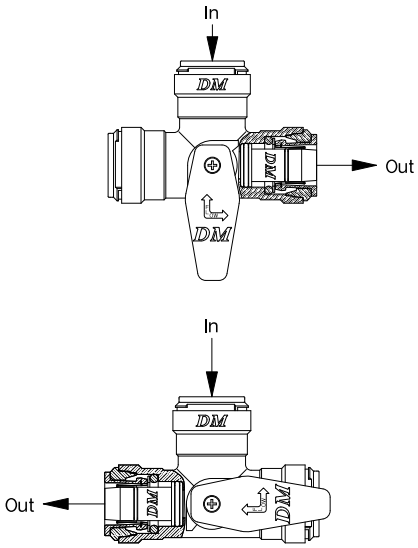
## Poor DSI assembly



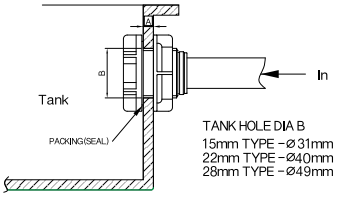

## Good DSI assembly




## Three way valve to control direction of water flow.

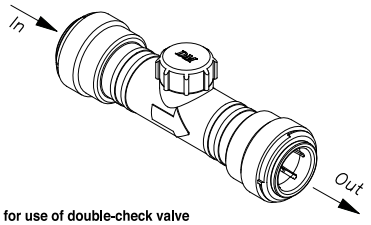



## Example of tank connector assembly




A Size : 15mm(Tube Out Dia) Type Density Max 5mm
22mm(Tube Out Dia) Type Density Max 7mm
28mm(Tube Out Dia) Type Density Max 10mm

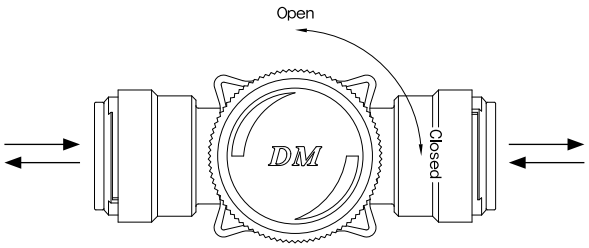
## Checking force of a double check valve



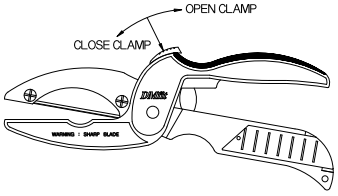

※ **Notice for use of double-check valve**

- In case of reverse pressure, the valve will withstand temporary pressure spikes of up to 10bar.

## Hand valve connector



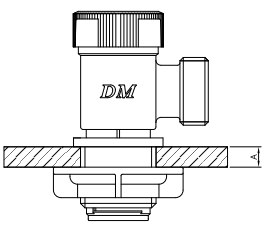

## Hose cutter




※ **Notice for using the hose cutter**

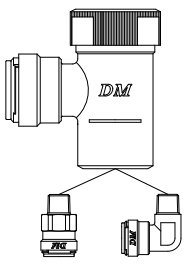
1. Be careful when using the cutter, as the blade is very sharp.
2. When the cutter is not in use, put it in "lock" position.

## Example of Hand Wash Machine assembly



A Size : 5/8" Type Density Max 8mm

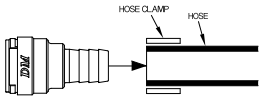
## Example of Hand Valve Female Adapter assembly



※ **Application Examples**

1. Select the location to install the kit as required.
2. Pipe installation with screw clamps.

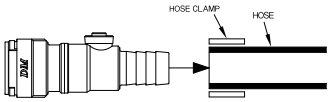
## Usage and Features I




※ Application Examples

1. Use connected with a hose.
2. Fix the hose clamp to make sure the connector does not disengage from the hose.
3. When connecting braided hoses, use a pressed metal connector on the connecting end.

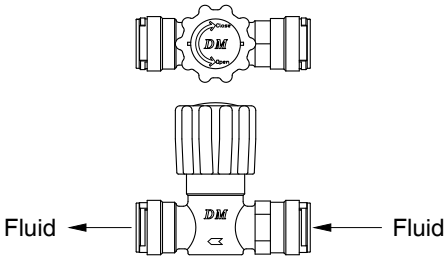
## Usage and Features II



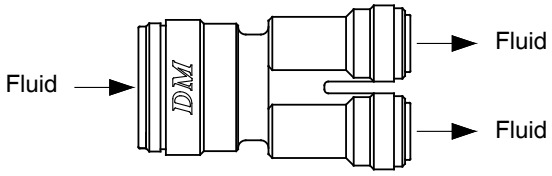

※ Application Examples

1. Use connected with a hose.
2. Fix the hose clamp to make sure the connector does not disengage from the hose.
3. When connecting braided hoses, use a pressed metal connector on the connecting end.
4. Water flow can be blocked with the stop valve.

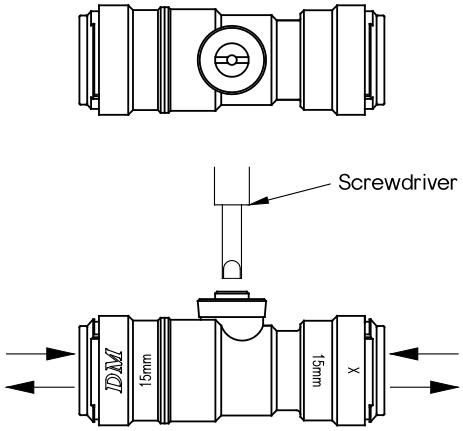
## THC-Throttle Hand Valve Connector




## FWC-Four Way Connector

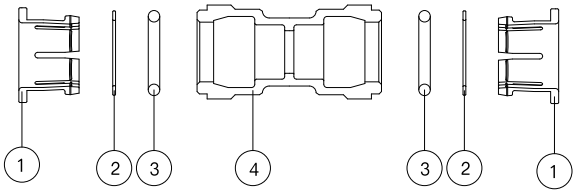



## HSV-Hand Stop Valve




## DMfit Fitting Standard Anatomy

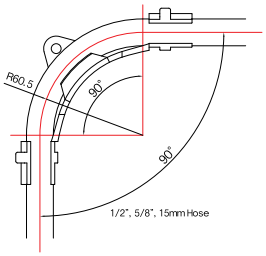
● All diagrams are based on the UC0808 product.



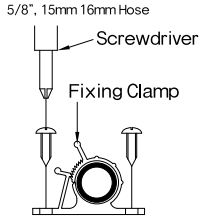

| No. | Part Name | Material | Q'ty | Remark |
|---|---|---|---|---|
| 1 | Collets | Acetal | 2 | |
| 2 | Support Ring | Acetal | 2 | |
| 3 | O-ring | NBR | 2 | |
| 4 | Body | Acetal | 1 | |

■ Exceptional, Small sizes don't have Sup-Ring in the body.

## Flow Bend Clamp Assembly and Application Features

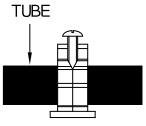



## How to Connect the Locking Tube Locking




※ Application Examples

1. Use connected with a hose.
2. Fix the hose using the fixing clamp. Use screw to attach the product to a wall.



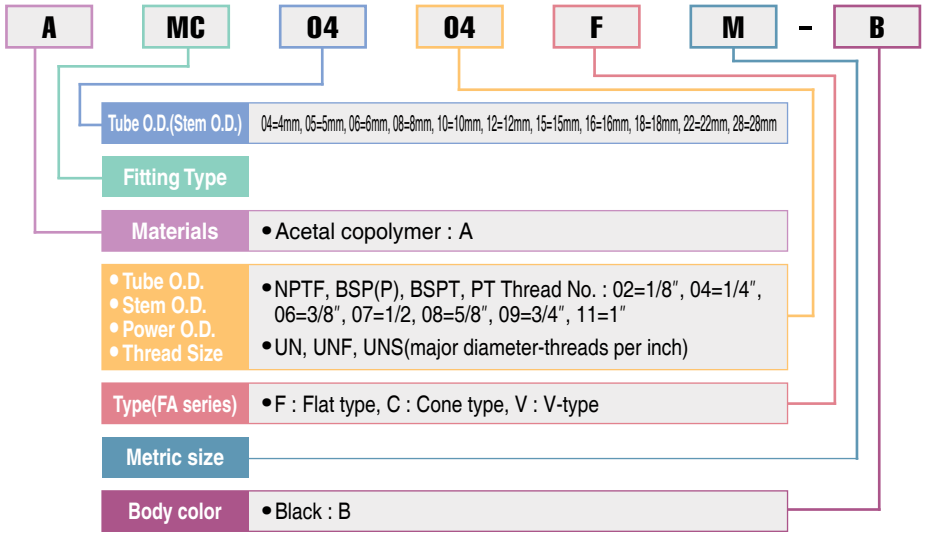
# ACETAL FITTINGS (BLACK / METRIC)



## ■ 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, 14001 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 Copolymer

## Part Numbering System




### 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 |
| AME 1506M | 15 | 3/8 | 100 |
| AME 1507M | 15 | 1/2 | 100 |
| AME 1606M | 16 | 3/8 | 100 |
| AME 1607M | 16 | 1/2 | 100 |

### 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 |
| AMES0604M | 6 | 1/4 | 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 |

# ACETAL FITTINGS (BLACK / METRIC)

## MC - Male Connector

BSPT(PT) Thread



| PART NO. | Tube O.D. (mm) | BSPT(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 | 400 |
| AMC 0604M | 6 | 1/4 | 500 |
| AMC 0606M | 6 | 3/8 | 300 |
| 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 | 200 |
| AMC 1206M | 12 | 3/8 | 200 |
| AMC 1207M | 12 | 1/2 | 200 |
| AMC 1506M | 15 | 3/8 | 100 |
| AMC 1507M | 15 | 1/2 | 100 |
| AMC 1606M | 16 | 3/8 | 100 |
| AMC 1607M | 16 | 1/2 | 100 |
| AMC 1807M | 18 | 1/2 | 80 |
| AMC 2209M | 22 | 3/4 | 80 |
| AMC 2211M | 22 | 1 | 40 |

## 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 | 400 |
| AMCB 0502M | 5 | 1/8 | 400 |
| AMCB 0504M | 5 | 1/4 | 400 |
| AMCB 0602M | 6 | 1/8 | 400 |
| 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 |
| AMCB 1507M | 15 | 1/2 | 150 |
| AMCB 1509M | 15 | 3/4 | 100 |
| AMCB 1607M | 16 | 1/2 | 150 |
| AMCB 1609M | 16 | 3/4 | 100 |
| AMCB 2209M | 22 | 3/4 | 80 |

## TEU - Tube Elbow Union



| PART NO. | Tube O.D. (mm) | Stem O.D. (mm) | Qty / Box |
|---|---|---|---|
| ATEU 0404M | 4 | 4 | 500 |
| ATEU 0505M | 5 | 5 | 500 |
| ATEU 0606M | 6 | 6 | 500 |
| ATEU 0610M | 6 | 10 | 400 |
| ATEU 0806M | 8 | 6 | 400 |
| ATEU 0808M | 8 | 8 | 350 |
| ATEU 0810M | 8 | 10 | 350 |
| ATEU 1010M | 10 | 10 | 250 |
| ATEU 1212M | 12 | 12 | 150 |
| ATEU 1515M | 15 | 15 | 100 |
| ATEU 2222M | 22 | 22 | 40 |

| PART NO. | Tube O.D. (mm) | Stem O.D. | Qty / Box |
|---|---|---|---|
| ATEU 16M08 | 16 | 5/8 | 100 |

## 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 | 300 |
| AEU 1005M | 10 | 5 | 300 |
| AEU 1006M | 10 | 6 | 300 |
| AEU 1008M | 10 | 8 | 200 |
| AEU 1010M | 10 | 10 | 200 |
| AEU 1206M | 12 | 6 | 200 |
| AEU 1208M | 12 | 8 | 200 |
| AEU 1210M | 12 | 10 | 150 |
| AEU 1212M | 12 | 12 | 150 |
| AEU 1515M | 15 | 15 | 80 |
| AEU 1616M | 16 | 16 | 80 |
| AEU 1818M | 18 | 18 | 60 |
| AEU 2215M | 22 | 15 | 50 |
| AEU 2216M | 22 | 16 | 50 |
| AEU 2222M | 22 | 22 | 40 |
| AEU 2828M | 28 | 28 | 20 |

## MESB - Male Elbow Swivel

BSP(P) Thread



| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| AMESB 0402M | 4 | 1/8 | 350 |
| AMESB 0404M | 4 | 1/4 | 350 |
| AMESB 0502M | 5 | 1/8 | 300 |
| AMESB 0504M | 5 | 1/4 | 300 |
| AMESB 0602M | 6 | 1/8 | 250 |
| AMESB 0604M | 6 | 1/4 | 250 |
| AMESB 0802M | 8 | 1/8 | 200 |
| AMESB 0804M | 8 | 1/4 | 200 |
| 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 |

## RD - ReDucer



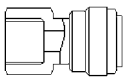
| PART NO. | Tube O.D. (mm) | Stem O.D. (mm) | Qty / Box |
|---|---|---|---|
| ARD 0405M | 4 | 5 | 800 |
| ARD 0406M | 4 | 6 | 700 |
| ARD 0408M | 4 | 8 | 700 |
| ARD 0506M | 5 | 6 | 700 |
| ARD 0508M | 5 | 8 | 700 |
| ARD 0608M | 6 | 8 | 600 |
| ARD 0610M | 6 | 10 | 500 |
| ARD 0810M | 8 | 10 | 400 |
| ARD 0812M | 8 | 12 | 300 |
| ARD 1012M | 10 | 12 | 300 |
| ARD 1015M | 10 | 15 | 250 |
| ARD 1215M | 12 | 15 | 200 |
| ARD 1518M | 15 | 18 | 150 |
| ARD 1522M | 15 | 22 | 100 |
| ARD 1618M | 16 | 18 | 100 |
| ARD 1622M | 16 | 22 | 100 |
| ARD 1822M | 18 | 22 | 80 |
| ARD 2228M | 22 | 28 | 50 |

| PART NO. | Tube O.D. | Stem O.D. | Qty / Box |
|---|---|---|---|
| ARD 0615M | 3/8 | 15mm | 250 |
| ARD 1512M | 15 | 12mm | 150 |

## 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 |
| AFA 1507M | 15 | 1/2 | 100 |
| AFA 1509M | 15 | 3/4 | 100 |
| AFA 1607M | 16 | 1/2 | 100 |
| AFA 1609M | 16 | 3/4 | 100 |
| AFA 2209M | 22 | 3/4 | 50 |
| AFA 2211M | 22 | 1 | 40 |

## FAB - Female Adapter

BSP(P) Thread

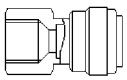


| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| AFAB 1507M | 15 | 1/2 | 100 |
| AFAB 1509M | 15 | 3/4 | 100 |
| AFAB 1607M | 16 | 1/2 | 100 |
| AFAB 1609M | 16 | 3/4 | 100 |
| AFAB 2209M | 22 | 3/4 | 40 |

## 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 | 200 |
| AFAUN 12 1/2VM | 12 | 1/2 - 16 | 200 |

## EL - EnLarger



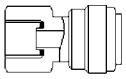
| PART NO. | Tube O.D. (mm) | Stem O.D. (mm) | Qty / Box |
|---|---|---|---|
| AEL1510M | 15 | 10 | 150 |
| AEL 1512M | 15 | 12 | 150 |
| AEL1610M | 16 | 10 | 150 |
| AEL 1612M | 16 | 12 | 150 |
| AEL 2215M | 22 | 15 | 60 |
| AEL 2822M | 28 | 22 | 50 |

| PART NO. | Tube O.D. (mm) | Stem O.D. | Qty / Box |
|---|---|---|---|
| AEL 15M07 | 15 | 1/2 | 150 |
| AEL 16M07 | 16 | 1/2 | 150 |
| AEL 18M07 | 18 | 1/2 | 150 |

## FAU - Female Adapter

UNS Thread (Cone Type)



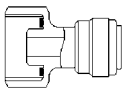


| PART NO. | Tube O.D. (mm) | UNS Thread | Qty / Box |
|---|---|---|---|
| AFAU 06 7/16CM | 6 | 7/16 - 24 | 400 |
| AFAU 08 7/16CM | 8 | 7/16 - 24 | 350 |
| AFAU 10 7/16CM | 10 | 7/16 - 24 | 300 |

## FAB - Female Adapter

BSP(P) Thread (Cone Type)



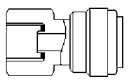


| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| AFAB 0606CM | 6 | 3/8 | 200 |
| AFAB 0607CM | 6 | 1/2 | 200 |
| AFAB 0806CM | 8 | 3/8 | 150 |
| AFAB 0807CM | 8 | 1/2 | 200 |
| AFAB 1006CM | 10 | 3/8 | 200 |
| AFAB 1007CM | 10 | 1/2 | 200 |
| AFAB 1008CM | 10 | 5/8 | 150 |
| AFAB1206CM | 12 | 3/8 | 150 |
| AFAB 1208CM | 12 | 5/8 | 150 |

## 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 |

# ACETAL FITTINGS (BLACK / METRIC)

## FAB - Female Adapter

BSP(P) Thread (Flat Type)



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

## FAB - Female Adapter

New

BSP(P) Thread



| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| AFAB 0609FM-1 | 6 | 3/4 | 200 |
| AFAB 1009FM-1 | 10 | 3/4 | 200 |
| AFAB 1209FM-1 | 12 | 3/4 | 150 |

## 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 |

## HA - Hub Adapter

NPSH Thread



| PART NO. | Tube O.D. (mm) | NPSH Thread | Qty / Box |
|---|---|---|---|
| AHA 2211M | 22 | 1 | 40 |

## MRSB - Male Run Swivel

BSP(P) Thread



| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| AMRSB 0402M | 4 | 1/8 | 300 |
| AMRSB 0404M | 4 | 1/4 | 300 |
| AMRSB 0502M | 5 | 1/8 | 250 |
| AMRSB 0504M | 5 | 1/4 | 250 |
| AMRSB 0602M | 6 | 1/8 | 200 |
| AMRSB 0604M | 6 | 1/4 | 200 |
| AMRSB 0802M | 8 | 1/8 | 150 |
| AMRSB 0804M | 8 | 1/4 | 150 |
| AMRSB 0806M | 8 | 3/8 | 150 |
| AMRSB 1004M | 10 | 1/4 | 130 |
| AMRSB 1006M | 10 | 3/8 | 100 |
| AMRSB 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 |

## 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 |

## OC - Offset Connector



| PART NO. | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
|---|---|---|---|
| AOC 1006M | 10 | 6 | 200 |
| AOC 1208M | 12 | 8 | 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 |

## 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 |

## 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 | 250 |
| ASAB 1004M | 10 | 1/4 | 250 |
| ASAB 1006M | 10 | 3/8 | 250 |
| ASAB 1007M | 10 | 1/2 | 150 |
| ASAB 1206M | 12 | 3/8 | 150 |
| ASAB 1207M | 12 | 1/2 | 150 |
| ASAB 1506M | 15 | 3/8 | 150 |
| ASAB 1507M | 15 | 1/2 | 150 |
| ASAB 1807M | 18 | 1/2 | 100 |
| ASAB 2207M | 22 | 1/2 | 80 |
| ASAB 2209M | 22 | 3/4 | 80 |

## 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 |

## BU - Bulkhead Union



| PART NO. | Tube O.D. (mm) | Tube O.D. (mm) | Thread Size | Qty / Box |
|---|---|---|---|---|
| ABU 0404M | 4 | 4 | M16XP1 | 300 |
| ABU 0505M | 5 | 5 | M16XP1 | 300 |
| ABU 0606M | 6 | 6 | M16XP1 | 250 |
| ABU 0610M | 6 | 10 | M20XP1.5 | 200 |
| ABU 0808M | 8 | 8 | M20XP1.5 | 200 |
| ABU 1006M | 10 | 6 | M20XP1.5 | 150 |
| ABU 1010M | 10 | 10 | M20XP1.5 | 150 |
| ABU 1212M | 12 | 12 | M27XP1.5 | 70 |

## 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 | 300 |
| ATU 050505M | 5 | 5 | 5 | 350 |
| ATU 060606M | 6 | 6 | 6 | 300 |
| ATU 080808M | 8 | 8 | 8 | 200 |
| 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 |
| ATU 151010M | 15 | 10 | 10 | 50 |
| ATU 151510M | 15 | 15 | 10 | 50 |
| ATU 151512M | 15 | 15 | 12 | 50 |
| ATU 151515M | 15 | 15 | 15 | 50 |
| ATU 151522M | 15 | 15 | 22 | 40 |
| ATU 161616M | 16 | 16 | 16 | 40 |
| ATU 161622M | 16 | 16 | 22 | 40 |
| ATU 181815M | 18 | 18 | 15 | 30 |
| ATU 181816M | 18 | 18 | 16 | 30 |
| ATU 181818M | 18 | 18 | 18 | 30 |
| ATU 221515M | 22 | 15 | 22 | 20 |
| ATU 221522M | 22 | 15 | 22 | 20 |
| ATU 222210M | 22 | 22 | 10 | 20 |
| ATU 222215M | 22 | 22 | 15 | 20 |
| ATU 221616M | 22 | 16 | 16 | 20 |
| ATU 222216M | 22 | 22 | 16 | 20 |
| ATU 222222M | 22 | 22 | 22 | 20 |
| ATU 282815M | 28 | 28 | 15 | 10 |
| ATU 282828M | 28 | 28 | 28 | 10 |

| PART NO. | Tube O.D. (A) | Tube O.D. (B) | Tube O.D. (C) | Qty / Box |
|---|---|---|---|---|
| ATU 15M0606 | 15mm | 3/8 | 3/8 | 50 |
| ATU 1515M06 | 15mm | 15mm | 3/8 | 50 |
| ATU 1616M07 | 16mm | 16mm | 1/2 | 20 |
| ATU 18M0606 | 18mm | 3/8 | 3/8 | 20 |

| PART NO. | Tube O.D. (A) | Tube O.D. (B) | Tube O.D. (C) | Tube O.D. (C) | Qty / Box |
|---|---|---|---|---|---|
| ATU 1515M0606 | 15mm | 15mm | 3/8 | 3/8 | 20 |

## 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 |
| AUB 1515M | 15 | 15 | 60 |
| AUB 1616M | 16 | 16 | 60 |
| AUB 2222M | 22 | 22 | 30 |

# ACETAL FITTINGS (BLACK / METRIC)

## 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 |
| ATWD 1515M | 15 | 15 | 100 |

New

## UC - Union Connector



| PART NO. | Tube in (mm) | Tube out (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 | 350 |
| 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 | 150 |
| AUC 1212M | 12 | 12 | 150 |
| AUC 1510M | 15 | 10 | 100 |
| AUC 1512M | 15 | 12 | 100 |
| AUC 1515M | 15 | 15 | 100 |
| AUC 1612M | 16 | 12 | 100 |
| AUC 1615M | 16 | 15 | 100 |
| AUC 1616M | 16 | 16 | 100 |
| AUC 1818M | 18 | 18 | 60 |
| AUC 2215M | 22 | 15 | 50 |
| AUC 2216M | 22 | 16 | 50 |
| AUC 2222M | 22 | 22 | 50 |
| AUC 2828M | 28 | 28 | 40 |

| PART NO. | Tube O.D. (mm) | Tube O.D. | Qty / Box |
|---|---|---|---|
| AUC 15M07 | 15 | 1/2 | 100 |
| AUC 12M06 | 12 | 3/8 | 100 |

## SUC - Swivel Union Connector

BSP(P) Thread



| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| ASUC 1507M | 15 | 1/2 | 80 |
| ASUC 1509M | 15 | 3/4 | 50 |
| ASUC 1607M | 16 | 1/2 | 80 |
| ASUC 1609M | 16 | 3/4 | 50 |
| ASUC 2209M | 22 | 3/4 | 40 |

## SEU - Swivel Elbow Union

BSP(P) Thread



| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| ASEU 1507M | 15 | 1/2 | 50 |
| ASEU 1509M | 15 | 3/4 | 50 |
| ASEU 1607M | 16 | 1/2 | 50 |
| ASEU 1609M | 16 | 3/4 | 50 |

## 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 |
| ATES 15M | 15 | 100 |
| ATES 16M | 16 | 100 |
| ATES 18M | 18 | 50 |
| ATES 22M | 22 | 50 |

## 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 |
| APL 15M | 15 | 250 |
| APL 18M | 18 | 250 |
| APL 22M | 22 | 100 |

## TBC - Tube Barb Connector



| PART NO. | Stem O.D. (mm) | Tube I.D. (mm) | Qty / Box |
|---|---|---|---|
| ATBC 0604M | 6 | 4 | 1000 |
| ATBC 0606M | 6 | 6 | 800 |
| ATBC 0806M | 8 | 6 | 700 |
| ATBC 1008M | 10 | 8 | 500 |
| ATBC 1010M | 10 | 10 | 500 |
| ATBC 1210M | 12 | 10 | 300 |

| PART NO. | Stem O.D. (mm) | Tube O.D. | Qty / Box |
|---|---|---|---|
| ATBC 15M06 | 15 | 3/8 | 300 |
| ATBC 15M07 | 15 | 1/2 | 300 |

## SSA - Stem to Stem Adapter



| PART NO. | Stem O.D. (mm) | Stem O.D. | Qty / Box |
|---|---|---|---|
| ASSA 15M06 | 15 | 3/8 | 200 |

## BBC - BarB Connetor



| PART NO. | Tube O.D. (mm) | Tube I.D. | Qty / Box |
|---|---|---|---|
| ABBC 1507M | 15 | 1/2 | 150 |
| ABBC 1607M | 16 | 1/2 | 150 |
| ABBC 2207M | 22 | 1/2 | 80 |
| ABBC 2209M | 22 | 3/4 | 80 |

| PART NO. | Tube O.D. (mm) | Tube I.D. (mm) | Qty / Box |
|---|---|---|---|
| ABBC 1210M | 12 | 10 | 200 |
| ABBC 1510M | 15 | 10 | 150 |
| ABBC 1610M | 16 | 10 | 150 |

## DA - Drain Adapter

NPSH Thread



| PART NO. | Tube O.D. (mm) | NPSH Thread | Qty / Box |
|---|---|---|---|
| ADA 1509M | 15 | 3/4 | 50 |
| ADA 1609M | 16 | 3/4 | 50 |

## TC - Tank Connector



| PART NO. | Tube O.D. (mm) | Thread Size | Qty / Box |
|---|---|---|---|
| ATC 15M | 15 | M30XP3.5 | 30 |
| ATC 22M | 22 | M39XP3.5 | 20 |
| ATC 28M | 28 | M39XP2.0 | 10 |

## EFCB - Elbow Female Connector

BSP(P) Thread



| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| AEFCB 1507M | 15 | 1/2 | 50 |

## FWC - Four Way Connetor



| PART NO. | Tube O.D. (mm) | Tube O.D. (mm) | Qty / Box |
|---|---|---|---|
| AFWC 2210M | 22 | 10 | 50 |

## SFCB - Staight Female Connetor

BSP(P) Thread



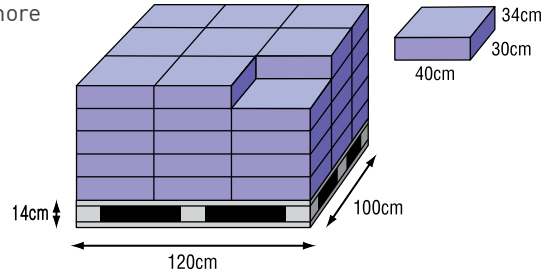
| PART NO. | Tube O.D. (mm) | BSP(P) Thread | Qty / Box |
|---|---|---|---|
| ASFCB 1507M | 15 | 1/2 | 50 |
| ASFCB 1509M | 15 | 3/4 | 50 |
| ASFCB 2209M | 22 | 3/4 | 40 |

## 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.

**PACKAGING - PALLET AND BOX SIZES**



# ACCESSORIES

## TS - Tube Support



| PART NO. | Tube O.D. | Tube I.D. | Qty / Box |
|---|---|---|---|
| ATS 04 | 1/4 | 0.170 | 3,500 |
| ATS 05 | 5/16 | 0.216 | 3,000 |
| ATS 06 | 3/8 | 1/4 | 1,500 |
| ATS 07 | 1/2 | 0.350 | 800 |
| ATS 08 | 5/8 | 0.476 | 600 |
| ATS 10 | 7/8 | 0.669 | 500 |

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

| 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 | 1,600 |
| ATS 12M | 12 | 9 | 800 |
| ATS 15M | 15 | 11.4 | 600 |
| ATS 16M | 16 | 12 | 600 |
| ATS 18M | 18 | 14 | 400 |
| ATS 22M | 22 | 17.6 | 500 |
| ATS 28M | 28 | 23 | 300 |

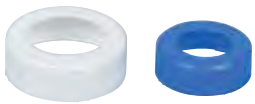
## DSI - Double Seal Insert



| PART NO. | Tube O.D. | Tube I.D. | Qty / Box |
|---|---|---|---|
| ADSI 06 | 3/8 | 1/4 | 2,000 |
| ADSI 07 | 1/2 | 0.332 | 1,000 |
| ADSI 08 | 5/8 | 0.472 | 800 |
| ADSI 10 | 7/8 | 0.669 | 600 |

| 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 |
| ADSI 15M | 15 | 11.5 | 600 |
| ADSI 16M | 16 | 12 | 800 |
| ADSI 18M | 18 | 14 | 600 |
| ADSI 22M | 22 | 17.5 | 600 |
| ADSI 28M | 28 | 23 | 400 |

## COV - Collet COVer



| PART NO. | Tube O.D. | Qty / Box |
|---|---|---|
| ACOV 04 | 1/4 | 700 |
| ACOV 05 | 5/16 | 600 |
| ACOV 06 | 3/8 | 600 |
| ACOV 07 | 1/2 | 500 |
| ACOV 08 | 5/8 | 500 |
| ACOV 10 | 7/8 | 300 |

| PART NO. | Tube O.D. (mm) | Qty / Box |
|---|---|---|
| ACOV 06M | 6 | 700 |
| ACOV 08M | 8 | 600 |
| ACOV 10M | 10 | 600 |
| ACOV 12M | 12 | 500 |
| ACOV 15M | 15 | 500 |
| ACOV 16M | 16 | 500 |
| ACOV 18M | 18 | 400 |
| ACOV 22M | 22 | 300 |
| ACOV 28M | 28 | 200 |

## LC - Locking Clip

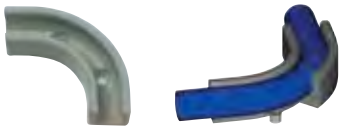


| PART NO. | Tube O.D. | Qty / Box |
|---|---|---|
| ALC 03 | 3/16 | 12,000 |
| ALC 04 | 1/4 | 10,000 |
| ALC 05 | 5/16 | 8,000 |
| ALC 06 | 3/8 | 7,000 |
| ALC 07 | 1/2 | 5,000 |
| ALC 08 | 5/8 | 2,500 |
| ALC 10 | 7/8 | 2,000 |

| PART NO. | Tube O.D. (mm) | Qty / Box |
|---|---|---|
| ALC 05M | 5 | 12,000 |
| ALC 06M | 6 | 10,000 |
| ALC 08M | 8 | 8,000 |
| ALC 10M | 10 | 7,000 |
| ALC 12M | 12 | 5,000 |
| ALC 15M | 15 | 4,000 |
| ALC 16M | 16 | 4,000 |
| ALC 18M | 18 | 3,000 |
| ALC 22M | 22 | 2,000 |
| ALC 28M | 28 | 2,000 |



## FBC - Flow Bend Clip



| PART NO. | Tube O.D. | Qty / Box |
|---|---|---|
| AFBC 05 | 5/16 | 300 |
| AFBC 06 | 3/8 | 200 |
| AFBC 07 | 1/2 | 150 |

| PART NO. | Tube O.D. (mm) | Qty / Box |
|---|---|---|
| AFBC 06M | 6 | 400 |
| AFBC 08M | 8 | 300 |
| AFBC 10M | 10 | 200 |
| AFBC 12M | 12 | 150 |



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

- FBC 08 is made from Nylon 66.
- Provides a simple method for smooth 90 degree tube bend without twist.
- Can be built into the equipment or walls with screws.

## SP - SPanner



| PART NO. | Tube O.D. |
|---|---|
| ASP | 3/16, 1/4, 5/16, 3/8, 1/2 |

## HTC - Hand Tube Cutter (Nylon)



| PART NO. | Tube O.D. (Minimum) | Tube O.D. (Inch) (Maximum) |
|---|---|---|
| NHTC 08 | 5/32(4mm) | 5/8 (16mm) |

## PSP - Power SPanner (Nylon)



| PART NO. | Tube O.D. |
|---|---|
| NPSP | 5/16, 3/8 |

- Available in metalic spanner

## TC - Tube Cutter



| PART NO. | Tube O.D. | Qty / Box |
|---|---|---|
| TC | MAX. DIA 1/2" or 13mm | 40 |

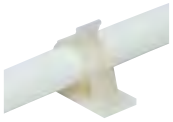
- *DMfit*® Tube Cutter with quality blade is suitable for cutting plastic tubing sizes up to 13mm.

## Hook



| PART NO. | Size (mm) | Qty / Box |
|---|---|---|
| AHOOK | 19.5 | |

## TLC - Tube Locking Clamp (Nylon)



| PART NO. | Tube O.D. | Qty / Box |
|---|---|---|
| NTLC 08 | 5/8(16mm) | 200 |

## RA - Release Aid



| PART NO. | Tube O.D. | Qty / Box |
|---|---|---|
| ARA 06 | 3/8 | 700 |
| ARA 07 | 1/2 | 700 |
| ARA 08 | 5/8 | 600 |
| ARA 10 | 7/8 | 500 |

| PART NO. | Tube O.D. (mm) | Qty / Box |
|---|---|---|
| ARA 10M | 10 | 700 |
| ARA 12M | 12 | 700 |
| ARA 12M | 12 | 600 |
| ARA 15M | 15 | 600 |
| ARA 16M | 16 | 600 |
| ARA 18M | 18 | 500 |
| ARA 22M | 22 | 500 |
| ARA 28M | 28 | 500 |

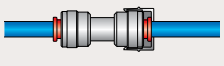
## EFCAP - Easy Fitting CAP



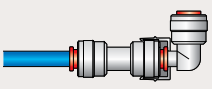
| PART NO. | Tube O.D. | Qty / Box |
|---|---|---|
| AEFCAP 04 | 1/4 | 1000 |

- Fittings need to be separated from the Tank and The Filter, Especially under the pressure It can offer a solution : EASY and Quick Separation by Using The Cap.

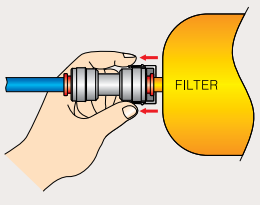
- FITTING + TUBE



- FITTING + STEM FITTING



- FITTING + FILTER



# CHEMICAL COMPATABILITY TABLES

*DMfit*® has excellent resistance to exposure to organic compounds, industrial chemicals, and gases.

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

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

| Description (%, ℃) | Brass | SUS | Resin | | Rubber | |
|---|---|---|---|---|---|---|
| | | | Acetal | PP | NBR | EPDM |
| Lye solution | - | - | ◎ | ○ | ○ | ◎ |
| Hydrochloric acid(10%, 20℃) | × | × | ○ | ◎ | - | - |
| Hydrochloric acid(20%, 20℃) | × | × | △ | ○ | - | - |
| Hydrochloric acid(20%, 80℃) | × | × | × | × | × | △ |
| Hydrochloric acid(38%, 20℃) | × | × | △ | ○ | ○ | ◎ |
| Ammonium chloride | × | △ | ○ | ◎ | ◎ | ◎ |
| Calcium chloride | ○ | △ | ◎ | ◎ | ◎ | ◎ |
| Naphtha | △ | ○ | ◎ | △ | △ | × |
| Olive oil | △ | ◎ | ○ | ◎ | ◎ | ○ |
| Sulfur | × | ○ | ◎ | ◎ | × | ◎ |
| Sodium phosphate | × | △ | ○ | ◎ | ◎ | ◎ |
| Ammonium phosphate | △ | △ | ○ | ◎ | ◎ | ◎ |
| Ammonium nitric | × | ○ | ○ | ◎ | ◎ | ◎ |
| Nitrogen | ○ | ◎ | ◎ | ◎ | ◎ | ◎ |
| Natural gas | ◎ | ◎ | ◎ | ○ | ◎ | × |
| Acetic acid(10%, 20℃) | - | - | - | - | - | - |
| Acetic acid(50%, 20℃) | - | - | - | - | - | - |
| Acetic acid(50%, 70℃) | - | - | - | - | - | - |
| Acetic acid(100%, 20℃) | - | - | - | - | - | - |
| Ketones | ○ | ○ | ○ | ◎ | - | ○ |
| Cresol | ○ | △ | △ | ○ | △ | × |
| Chromic acid(2%, 70℃) | × | × | × | △ | - | - |
| Chromic acid(10%, 70℃) | × | × | × | × | - | - |
| Chromic acid(25%, 70℃) | × | × | × | × | - | - |
| Chromic acid(2%, 50℃) | × | × | △ | △ | × | ○ |
| Soybean oil | △ | ○ | ◎ | ○ | ◎ | △ |
| Toluene | ◎ | ◎ | ○ | △ | × | × |
| Glucose | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ |
| Propane | ◎ | ◎ | ◎ | ◎ | ◎ | × |
| Castor oil | ○ | ○ | ○ | ◎ | ◎ | ○ |
| Sulfuric acid(10%, 20℃) | × | × | ○ | ○ | × | ○ |
| Sulfuric acid(10%, 70℃) | × | × | × | △ | - | - |
| Sulfuric acid(30%, 20℃) | × | × | △ | ○ | - | - |
| Sulfuric acid(30%, 70℃) | × | × | × | △ | - | - |
| Sulfuric acid(98%, 20℃) | × | × | × | × | - | - |
| Aluminium sulfate | × | ○ | ○ | ◎ | ◎ | ◎ |
| Potassium sulfate | ○ | △ | ○ | ◎ | ◎ | ◎ |
| Hydrogen sulfide | △ | △ | ○ | ◎ | × | ◎ |

※ ◎ : 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 Alcolhol) | ◎ | |
| 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 our representative when using unsuitable liquids.

# GLOBAL SALES






DMT

Subject to Change