

# SECTION

# 6



# FLEETFIT

## BRASS PUSH IN FITTINGS

Metric 6 mm - 18 mm OD Tube - Imperial 1/4" - 3/4" OD Tube

- **Simple tube connection and disconnection  
no tools required**
- **Easy identification with all collets marked with tube sizes**
  - **Corrosion Resistant**
- **Reduced assembly time saves time/labour**
- **Ease of tube insertion in restricted areas**
  - **TUV Approved**



### Technical Data

Maximum Working Pressure: 0 to 10 bar (0 to 150 psi)

Operating Temperature: -40°C to + 100°C

Materials:

Brass body, Tube support, & collet  
Low Nitrile 'O' ring  
Precoat 5 Thread Sealant



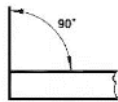
**The swivel feature should be used for positioning purposes only and should not be used as a rotating joint.**



## FLEETFIT PUSH IN TUBE FITTINGS

### Installation - Tube Connection & Disconnection

**1.**  
Ensure that the end of the tube is cut square and is free from burrs.



**2.**  
Push the tube through the collet into the fitting.



**3.**  
Continue pushing the tube through the 'O' ring until it bottoms on the tube stop. Then pull back on the tube to reinforce the collet teeth gripping action.



**4.**  
To disconnect - First ensure there is no air present. Push the tube into the fitting until it bottoms on the tube stop. Then hold down the collet and withdraw the tube.



## EQUAL CONNECTORS

### METRIC JOINERS



| Part Ref | Tube OD |
|----------|---------|
| 97450304 | 6 mm    |
| 97450305 | 8 mm    |
| 97450313 | 9 mm    |
| 97450306 | 10 mm   |
| 97450336 | 11 mm   |
| 97450307 | 12 mm   |
| 97450392 | 14 mm   |
| 97450315 | 15 mm   |
| 97450308 | 16 mm   |

### IMPERIAL JOINERS



| Part Ref | Tube OD |
|----------|---------|
| 94450303 | 3/16"   |
| 94450304 | 1/4"    |
| 94450306 | 3/8"    |
| 94450307 | 1/2"    |
| 94450308 | 5/8"    |
| 94450309 | 3/4"    |

### METRIC EQUAL ELBOW



| Part Ref | Tube OD |
|----------|---------|
| 97451104 | 6 mm    |
| 97451105 | 8 mm    |
| 97451106 | 10 mm   |
| 97451107 | 12 mm   |
| 97451115 | 15 mm   |
| 97451108 | 16 mm   |

### BULKHEAD CONNECTOR



| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 97450704 | M15 x 1.0 | 6 mm    |
| 97450705 | M18 x 1.5 | 8 mm    |
| 97450706 | M20 x 1.5 | 10 mm   |
| 97450707 | M24 x 1.5 | 12 mm   |
| 97450708 | M30 x 1.5 | 16 mm   |

### METRIC UNEQUAL JOINERS

| Part Ref | Tube OD    |
|----------|------------|
| 97450447 | 8 x 6 mm   |
| 97450448 | 10 x 6 mm  |
| 97450456 | 10 x 8 mm  |
| 97450457 | 12 x 8 mm  |
| 97450464 | 12 x 10 mm |

### IMPERIAL EQUAL ELBOW

| Part Ref | Tube OD |
|----------|---------|
| 94451104 | 1/4"    |
| 94451106 | 3/8"    |
| 94451107 | 1/2"    |



## FLEETFIT PUSH IN TUBE FITTINGS

### METRIC EQUAL TEES

| Part Ref | Tube OD |
|----------|---------|
| 97451404 | 6 mm    |
| 97451405 | 8 mm    |
| 97451413 | 9 mm    |
| 97451406 | 10 mm   |
| 97415436 | 11 mm   |
| 97415407 | 12 mm   |
| 97451415 | 15 mm   |
| 97451408 | 16 mm   |



### IMPERIAL EQUAL TEES

| Part Ref | Tube OD |
|----------|---------|
| 94451404 | 1/4"    |
| 94451406 | 3/8"    |
| 94451407 | 1/2"    |
| 94451408 | 5/8"    |

### METRIC MALE STUD COUPLINGS

| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 97466631 | M10 x 1.0 | 6 mm    |
| 97466633 | M12 x 1.5 | 6 mm    |
| 97466634 | M14 x 1.5 | 6 mm    |
| 97466635 | M16 x 1.5 | 6 mm    |
| 97466638 | M22 x 1.5 | 6 mm    |
| 97466641 | M10 x 1.0 | 8 mm    |
| 97466643 | M12 x 1.5 | 8 mm    |
| 97466644 | M14 x 1.5 | 8 mm    |
| 97466645 | M16 x 1.5 | 8 mm    |
| 97466648 | M22 x 1.5 | 8 mm    |
| 97466651 | M10 x 1.0 | 10 mm   |



| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 97466653 | M12 x 1.5 | 10 mm   |
| 97466654 | M14 x 1.5 | 10 mm   |
| 97466655 | M16 x 1.5 | 10 mm   |
| 97466658 | M22 x 1.5 | 10 mm   |
| 97466663 | M12 x 1.5 | 12 mm   |
| 97466664 | M14 x 1.5 | 12 mm   |
| 97466665 | M16 x 1.5 | 12 mm   |
| 97466668 | M22 x 1.5 | 12 mm   |
| 97466670 | M22 x 1.5 | 15 mm   |
| 97466679 | M16 x 1.5 | 16 mm   |
| 97466675 | M22 x 1.5 | 16 mm   |
| 97466680 | M22 x 1.5 | 18 mm   |

### MALE STUD COUPLINGS METRIC x IMPERIAL



| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 94466631 | M10 x 1.0 | 1/4"    |
| 94466633 | M12 x 1.5 | 1/4"    |
| 94466635 | M16 x 1.5 | 1/4"    |
| 94466638 | M22 x 1.5 | 1/4"    |
| 94466653 | M12 x 1.5 | 3/8"    |
| 94466654 | M14 x 1.5 | 3/8"    |
| 94466655 | M16 x 1.5 | 3/8"    |
| 94466658 | M22 x 1.5 | 3/8"    |
| 94466665 | M16 x 1.5 | 1/2"    |
| 94466668 | M22 x 1.5 | 1/2"    |
| 94466679 | M16 x 1.5 | 5/8"    |
| 94466675 | M22 x 1.5 | 5/8"    |

### BLANKING PLUGS



| Part Ref | Tube OD |
|----------|---------|
| 97050904 | 6 mm    |
| 97050905 | 8 mm    |

## FLEETFIT PUSH IN TUBE FITTINGS

| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 97413831 | M10 x 1.0 | 6 mm    |
| 97413833 | M12 x 1.5 | 6 mm    |
| 97413835 | M16 x 1.5 | 6 mm    |
| 97413838 | M22 x 1.5 | 6 mm    |
| 97413843 | M12 x 1.5 | 8 mm    |
| 97413844 | M14 x 1.5 | 8 mm    |
| 97413845 | M16 x 1.5 | 8 mm    |
| 97413848 | M22 x 1.5 | 8 mm    |
| 97413851 | M10 x 1.0 | 10 mm   |
| 97413853 | M12 x 1.5 | 10 mm   |

### STUD ELBOWS METRIC (HOBBS)



| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 97413854 | M14 x 1.5 | 10 mm   |
| 97413855 | M16 x 1.5 | 10 mm   |
| 97413858 | M22 x 1.5 | 10 mm   |
| 97413863 | M12 x 1.5 | 12 mm   |
| 97413864 | M14 x 1.5 | 12 mm   |
| 97413865 | M16 x 1.5 | 12 mm   |
| 97413868 | M22 x 1.5 | 12 mm   |
| 97413870 | M22 x 1.5 | 15 mm   |
| 97413879 | M16 x 1.5 | 16 mm   |
| 97413875 | M22 x 1.5 | 16 mm   |
| 97413880 | M22 x 1.5 | 18 mm   |

| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 94413833 | M12 x 1.5 | 1/4"    |
| 94413835 | M16 x 1.5 | 1/4"    |
| 94413838 | M22 x 1.5 | 1/4"    |
| 94413853 | M12 x 1.5 | 3/8"    |

### STUD ELBOWS METRIC x IMPERIAL



| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 94413855 | M16 x 1.5 | 3/8"    |
| 94413858 | M22 x 1.5 | 3/8"    |
| 94413864 | M14 x 1.5 | 1/2"    |
| 94413865 | M16 x 1.5 | 1/2"    |
| 94413868 | M22 x 1.5 | 1/2"    |

| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 97452133 | M12 x 1.5 | 6 mm    |
| 97452135 | M16 x 1.5 | 6 mm    |
| 97452144 | M14 x 1.5 | 8 mm    |
| 97452145 | M16 x 1.5 | 8 mm    |
| 97452168 | M22 x 1.5 | 12 mm   |

### STUD ELBOWS METRIC (SWIVEL)



| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 97452153 | M12 x 1.5 | 10 mm   |
| 97452154 | M14 x 1.5 | 10 mm   |
| 97452155 | M16 x 1.5 | 10 mm   |
| 97452165 | M16 x 1.5 | 12 mm   |
| 97452168 | M22 x 1.5 | 12 mm   |



The swivel feature should be used for positioning purposes only and Should not be used as a rotating joint



| Part Ref | Thread | Tube OD |
|----------|--------|---------|
| BSP      |        |         |
| 97433004 | 1/8"   | 6 mm    |
| 97433010 | 1/4"   | 6 mm    |
| 97433005 | 1/8"   | 8 mm    |
| 97433011 | 1/4"   | 8 mm    |
| 97433019 | 3/8"   | 8 mm    |
| 97433028 | 1/2"   | 8 mm    |
| 97433006 | 1/8"   | 10 mm   |

### STUD ELBOWS IMPERIAL x METRIC



| Part Ref | Thread | Tube OD |
|----------|--------|---------|
| BSP      |        |         |
| 97433012 | 1/4"   | 10 mm   |
| 97433020 | 3/8"   | 10 mm   |
| 97433029 | 1/2"   | 10 mm   |
| 97433039 | 1/4"   | 11 mm   |
| 97433013 | 1/4"   | 12 mm   |
| 97433021 | 3/8"   | 12 mm   |
| 97433030 | 1/2"   | 12 mm   |

## FLEETFIT PUSH IN TUBE FITTINGS

| Part Ref | Thread NPTF | Tube OD |
|----------|-------------|---------|
|----------|-------------|---------|

|          |      |       |
|----------|------|-------|
| 98433104 | 1/8" | 6 mm  |
| 98433110 | 1/4" | 6 mm  |
| 98433118 | 3/8" | 6 mm  |
| 98433105 | 1/8" | 8 mm  |
| 98433111 | 1/4" | 8 mm  |
| 98433119 | 3/8" | 8 mm  |
| 98433106 | 1/8" | 10 mm |
| 98433112 | 1/4" | 10 mm |

### STUD ELBOWS IMPERIAL x METRIC



| Part Ref | Thread NPTF | Tube OD |
|----------|-------------|---------|
|----------|-------------|---------|

|          |      |       |
|----------|------|-------|
| 98433112 | 1/4" | 10 mm |
| 98433120 | 3/8" | 10 mm |
| 98433129 | 1/2" | 10 mm |
| 98433113 | 1/4" | 12 mm |
| 98433121 | 3/8" | 12 mm |
| 98433130 | 1/2" | 12 mm |
| 98433198 | 3/8" | 16 mm |
| 98433131 | 1/2" | 16 mm |

### MALE STUDS

IMPERIAL  
X  
METRIC



| Part Ref | Thread BSP | Tube OD |
|----------|------------|---------|
|----------|------------|---------|

|          |      |       |
|----------|------|-------|
| 97453004 | 1/8" | 6 mm  |
| 97453010 | 1/4" | 6 mm  |
| 97453005 | 1/8" | 8 mm  |
| 97453011 | 1/4" | 8 mm  |
| 97453019 | 3/8" | 8 mm  |
| 97453006 | 1/8" | 10 mm |
| 97453012 | 1/4" | 10 mm |
| 97453020 | 3/8" | 10 mm |
| 97453029 | 1/2" | 10 mm |
| 97453013 | 1/4" | 12 mm |
| 97453021 | 3/8" | 12 mm |
| 97453030 | 1/2" | 12 mm |
| 97453022 | 3/8" | 16 mm |
| 97453031 | 1/2" | 16 mm |

### MALE STUDS

IMPERIAL  
X  
IMPERIAL



| Part Ref | Thread NPTF | Tube OD |
|----------|-------------|---------|
|----------|-------------|---------|

|          |      |       |
|----------|------|-------|
| 98453004 | 1/8" | 6 mm  |
| 98453010 | 1/4" | 6 mm  |
| 98453018 | 3/8" | 6 mm  |
| 98453027 | 1/2" | 6 mm  |
| 98453005 | 1/8" | 8 mm  |
| 98453011 | 1/4" | 8 mm  |
| 98453019 | 3/8" | 8 mm  |
| 98453012 | 1/4" | 10 mm |
| 98453020 | 3/8" | 10 mm |
| 98453029 | 1/2" | 10 mm |
| 98453013 | 1/4" | 12 mm |
| 98453021 | 3/8" | 12 mm |
| 98453030 | 1/2" | 12 mm |
| 98453022 | 3/8" | 16 mm |
| 98453031 | 1/2" | 16 mm |

| Part Ref | Thread BSP | Tube OD |
|----------|------------|---------|
|----------|------------|---------|

|          |      |      |
|----------|------|------|
| 94453004 | 1/8" | 1/4" |
| 94453010 | 1/4" | 1/4" |
| 94453006 | 1/8" | 3/8" |
| 94453012 | 1/4" | 3/8" |
| 94453020 | 3/8" | 3/8" |
| 94453029 | 1/2" | 3/8" |
| 94453013 | 1/4" | 1/2" |
| 94453021 | 3/8" | 1/2" |
| 94453030 | 1/2" | 1/2" |
| 94453031 | 1/2" | 5/8" |

### MALE STUDS

IMPERIAL  
X  
METRIC



| Part Ref | Thread NPTF | Tube OD |
|----------|-------------|---------|
|----------|-------------|---------|

|          |      |       |
|----------|------|-------|
| 95453003 | 1/8" | 3/16" |
| 95453004 | 1/8" | 1/4"  |
| 95453010 | 1/4" | 1/4"  |
| 95453018 | 3/8" | 1/4"  |
| 95453006 | 1/8" | 3/8"  |
| 95453012 | 1/4" | 3/8"  |
| 95453020 | 3/8" | 3/8"  |
| 95453029 | 1/2" | 3/8"  |
| 95453013 | 1/4" | 1/2"  |
| 95453021 | 3/8" | 1/2"  |
| 95453030 | 1/2" | 1/2"  |

## FLEETFIT PUSH IN TUBE FITTINGS

### STUD TEE ADAPTORS (HOBBS)



| Part Ref | Thread    | Tube OD |
|----------|-----------|---------|
| 97443916 | M12 x 1.5 | 10 mm   |
| 97443901 | M16 x 1.5 | 10 mm   |
| 97443902 | M22 x 1.5 | 10 mm   |
| 97443922 | M24 x 1.5 | 10 mm   |
| 97443904 | M16 x 1.5 | 12 mm   |
| 97443906 | M22 x 1.5 | 12 mm   |
| 97443923 | M24 x 1.5 | 12 mm   |

### TEE ADAPTORS (HOBBS)

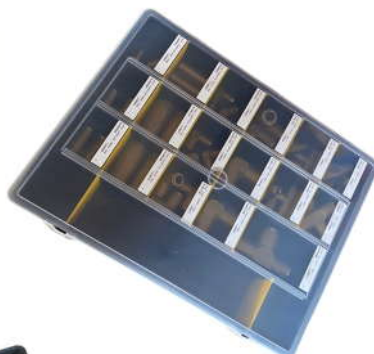


| Part Ref | Thread Male | Thread Female |
|----------|-------------|---------------|
| 36083201 | M12 x 1.5   | M12 x 1.5     |
| 36083202 | M16 x 1.5   | M16 x 1.5     |
| 36083203 | M22 x 1.5   | M22 x 1.5     |

### ASSORTED FITTING BOX

Part Ref:

**NORGTAB**



STRAIGHTS:      ELBOWS:  
 6mm X 3          6mm X 3  
 8mm X 3          8mm X 3  
 10mm X 3        10mm X 3  
 12mm X 3        12mm X 2  
 15mm X 2        15mm X 1  
 16mm X 2        16mm X 1

TEES:  
 6mm X 3          8mm X 3  
 10mm X 3        12mm X  
 16mm X 1

### SIDE TEE ADAPTORS (HOBBS)



| Part Ref | Thread Male | Thread Female |
|----------|-------------|---------------|
| 36074306 | M12 x 1.5   | M12 x 1.5     |
| 36074301 | M16 x 1.5   | M16 x 1.5     |
| 36074305 | M22 x 1.5   | M22 x 1.5     |

### ASSORTED STRAIGHTS

Part Ref: **ABNSF1**



Other Norgren parts are available upon request including a full range of valves

