



# techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics  
& Vacuum

Industrial

Compressed Air  
& Ring Main

Process &  
Instrumentation

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## Push-in Fittings & Tubing

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Plumbing Push-in Fittings

# PLASTIC PLUMBING PUSH-IN FITTINGS

## Couplings



### Straight

| 1400     | OD mm |
|----------|-------|
| PEM0410W | 10    |
| PKM0415W | 15    |
| PKM0422W | 22    |
| PEM0428W | 28    |

Tech Sheet 20630



### Reducing

| 1400       | OD mm | OD mm |
|------------|-------|-------|
| PKM201510W | 15    | 10    |
| PKM202215W | 22    | 15    |

Tech Sheet 20630



### BSPP Female to Tap Connector

| 1400     | OD mm | Thread |
|----------|-------|--------|
| PEM3210W | 10    | 1/2"   |
| PEM3201W | 15    | 1/2"   |
| PEM3203W | 15    | 3/4"   |
| PEM3202W | 22    | 3/4"   |

Tech Sheet 20630

## Pipe Inserts

To be used on installation when using plastic pipe.



| 1400   | To Suit ID mm |
|--------|---------------|
| TSM10N | 10            |
| TSM15N | 15            |
| TSM22N | 22            |
| TSM28N | 28            |

Tech Sheet 20630

## Elbows



### Equal

| 1400      | OD mm |
|-----------|-------|
| PEM0310W  | 10    |
| PKM0315W  | 15    |
| PKM0322W  | 22    |
| PEM03228W | 28    |

Tech Sheet 20630

- Provides a swivel type connection.



### Stem

| 1400       | OD mm | Stem OD mm |
|------------|-------|------------|
| PEM221010W | 10    | 10         |
| PKM221515W | 15    | 15         |
| PKM222222W | 22    | 22         |

Tech Sheet 20630



### Brass Wing Back, BSPP Female

| 1400 | OD mm | Thread |
|------|-------|--------|
| 15WB | 15    | 1/2"   |
| 22WB | 22    | 3/4"   |

Tech Sheet 20630

## End Stops



| 1400     | OD mm |
|----------|-------|
| PSE4610W | 10    |
| PKM4615W | 15    |
| PKM4622W | 22    |

Tech Sheet 20630

## Tees



### Equal

| 1400     | OD mm |
|----------|-------|
| PEM0210W | 10    |
| PKM0215W | 15    |
| PKM0222W | 22    |
| PEM0228W | 28    |

Tech Sheet 20630



### Increasing on Branch

| 1400      | OD A mm | OD B mm |
|-----------|---------|---------|
| PKM3022CW | 15      | 22      |

Tech Sheet 20630



### Reducing on Branch

| 1400        | OD A mm | OD B mm |
|-------------|---------|---------|
| PEM3015BW   | 15      | 10      |
| PEM3015AW   | 15      | 10      |
| PEM302210AW | 22      | 10      |
| PKM3022AW   | 22      | 15      |
| PEM3028AW   | 28      | 22      |



### Increasing on Run

| 1400      | OD A mm | OD B mm |
|-----------|---------|---------|
| PEM3022BW | 22      | 15      |

Tech Sheet 20630



### Reducing on Run

| 1400      | OD A mm | OD B mm |
|-----------|---------|---------|
| PKM3022DW | 22      | 15      |
| PEM3028DW | 28      | 22      |

# PLASTIC PLUMBING PUSH-IN FITTINGS



## Reducers



| 1400       | OD mm | Stem OD mm |
|------------|-------|------------|
| PEM061510W | 10    | 15         |
| PEM062215W | 15    | 22         |
| PEM062815W | 15    | 28         |
| PEM062822W | 22    | 28         |

Tech Sheet 20630

## Connectors



### Tap, BSPP Female

| 1400       | OD mm | Thread        |
|------------|-------|---------------|
| PKMSTC1514 | 15    | 1/2" Straight |
| PKMSTC1516 | 15    | 3/4" Straight |
| PKMSTC2216 | 22    | 3/4" Straight |

Tech Sheet 20630

Maximum wall thickness of tank = 4mm.

Note: Requires hand tightening only.



### Tank

| 1400    | OD mm |
|---------|-------|
| CM0715S | 15    |
| CM0722S | 22    |
| CM0728S | 28    |

Tech Sheet 20630

## Brass Drain Cock

Speedfit Drain Cocks cannot be used where collet covers are fitted. They can be used with a standard fitting fitte with a collet clip.



| 1400  | OD mm |
|-------|-------|
| 15BDC | 15    |

Tech Sheet 20630

## Service Valves

N.B: Hot and cold water only 65°C max.  
Not suitable for central heating systems.



### Plastic

| 1400  | OD mm |
|-------|-------|
| 15ISV | 15    |

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### Brass Chrome Plated

| 1400  | OD mm |
|-------|-------|
| 10HSV | 10    |
| 15HSV | 15    |
| 22HSV | 22    |

Tech Sheet 20630



### Brass Chrome Plated with Tap Connector BSPP Female

| 1400  | OD mm | Thread |
|-------|-------|--------|
| 15PTS | 15    | 1/2"   |

Tech Sheet 20630

## Brass Chrome Plated Ball Valves

Suitable for central heating systems, each valve has a red and blue indice.



| 1400 | OD mm |
|------|-------|
| 10BV | 10    |
| 15BV | 15    |
| 22BV | 22    |

Tech Sheet 20630

## Valves

N.B. Hot and cold water only 65°C max.



### Stop

| 1400  | OD mm |
|-------|-------|
| 15STV | 15    |
| 22STV | 22    |

Tech Sheet 20630



### Brass Stop

| 1400  | OD mm |
|-------|-------|
| 15BSC | 15    |

Tech Sheet 20630

N.B. Hot and cold water only 65°C max.  
Not suitable for central heating systems.



### Double Check

| 1400  | OD mm |
|-------|-------|
| 15DCV | 15    |

Tech Sheet 20630

## Taps



### Emergency Shut Off

| 1400   | OD mm |
|--------|-------|
| 15ESOT | 15    |

Tech Sheet 20630

N.B. Hot and cold water only 65°C max.



### Washing Machine, BSPP

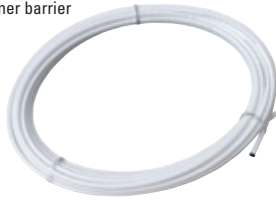
| 1400    | OD mm | Thread |
|---------|-------|--------|
| 15APT-B | 15    | 3/4"   |

Tech Sheet 20630

# PLASTIC PLUMBING PUSH-IN FITTINGS, PIPES & CUTTERS

## Barrier Pipes

British Gas accepted for water pipe in vented and sealed central heating systems. The pipe has an inner barrier to stop the ingress of atmosphere.



## Pex Coils

| 1400        | OD mm | Length Metres |
|-------------|-------|---------------|
| 10BPEX-25C  | 10    | 25            |
| 10BPEX-50C  | 10    | 50            |
| 15BPEX-25C  | 15    | 25            |
| 15BPEX-50C  | 15    | 50            |
| 15BPEX-100C | 15    | 100           |
| 22BPEX-25C  | 22    | 25            |
| 22BPEX-50C  | 22    | 50            |

Tech Sheet 20363

This pipe is made from a soft material with little memory ensuring a flexible system. It has an inner barrier to stop the ingress of atmosphere. British Gas accepted for water pipe in vented and sealed central heating systems.

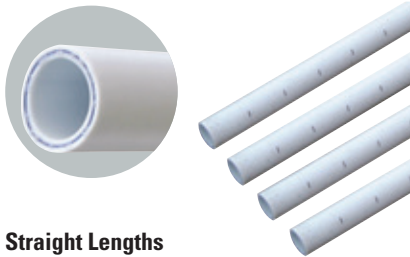
- Easy to handle
- Ultra flexible



## Layflat Polybutylen

| 1400       | OD mm | Length Metres |
|------------|-------|---------------|
| 15BPB-25C  | 15    | 25            |
| 15BPB-50C  | 15    | 50            |
| 15BPB-100C | 15    | 100           |
| 22BPB-25C  | 22    | 25            |
| 22BPB-50C  | 22    | 50            |

Tech Sheet 20363



## Straight Lengths

| 1400         | OD mm | Length Metres | Quantity |
|--------------|-------|---------------|----------|
| 15BPEX-20X2L | 15    | 2             | 20       |
| 15BPEX-20X3L | 15    | 3             | 20       |
| 22BPEX-20X2L | 22    | 2             | 20       |
| 22BPEX-20X3L | 22    | 3             | 20       |
| 28BPEX-10X3L | 28    | 3             | 10       |

Tech Sheet 20363

## Flexi Hoses



### Push-in to BSPP Female

| 1400  | OD mm | Thread | Length mm |
|-------|-------|--------|-----------|
| FLX15 | 15    | 1/2"   | 300       |
| FLX18 | 15    | 1/2"   | 500       |
| FLX16 | 15    | 3/4"   | 300       |
| FLX20 | 15    | 3/4"   | 500       |
| FLX22 | 22    | 3/4"   | 300       |
| FLX19 | 22    | 3/4"   | 500       |

Tech Sheet 20630



### Push-in to Push-in

| 1400  | OD mm | OD mm | Length mm |
|-------|-------|-------|-----------|
| FLX33 | 15    | 10    | 300       |
| FLX17 | 15    | 15    | 300       |
| FLX21 | 15    | 15    | 500       |
| FLX26 | 22    | 22    | 300       |
| FLX27 | 22    | 22    | 500       |

Tech Sheet 20630



### Push-in to BSPP Female with Service Valve

| 1400  | OD mm | Thread | Length mm     |
|-------|-------|--------|---------------|
| FLX37 | 15    | 1/2"   | 300 Full Bore |
| FLX24 | 15    | 1/2"   | 300           |

Tech Sheet 20630

N.B. Hot & cold water only, 65°C maximum



## Elbow

| 1400  | OD mm | Thread | Length mm |
|-------|-------|--------|-----------|
| FLX36 | 15    | 1/2"   | 300       |

Tech Sheet 20630

## Adaptors

### Brass Male Cylinder, BSPP

| 1400  | OD mm | Thread |
|-------|-------|--------|
| 22CMA | 22    | 1"     |

Tech Sheet 20630



### Brass Female Cylinder, BSPP

| 1400  | OD mm | Thread |
|-------|-------|--------|
| 22CFA | 22    | 1"     |

Tech Sheet 20630

## Cutters



### Heavy-duty Pipe Cutter

| 1400   | Pipe Size   |
|--------|-------------|
| JG-HDC | Up to 28 mm |



### Aluminium Pipe Cutter

| 1400         | OD mm |
|--------------|-------|
| ALU-CUTTER15 | 15    |
| ALU-CUTTER22 | 22    |
| ALU-CUTTER28 | 28    |

Tech Sheet 20629

## John Guest Plumbing Range



**Radiator Key**

| 1400 | Description |
|------|-------------|
| RK1C | Brass Key   |



**Male Coupler - Brass**

| 1400      | Size mm | Thread    |
|-----------|---------|-----------|
| 10MC      | 10      | 1/2" BSPP |
| 15MC      | 15      | 1/2" BSPP |
| MW011504N | 15      | 1/2" BSPT |
| 22MC      | 22      | 3/4" BSPP |
| MW012206N | 22      | 3/4" BSPT |
| MW012818N | 28      | 1" BSPP   |
| MW012808N | 28      | 1" BSPT   |



**Hose Connector**

| 1400  | Size mm | Hose ID |
|-------|---------|---------|
| NC448 | 15      | 1/2"    |
| NC473 | 22      | 3/4"    |



**Conversion Connector**

| 1400  | Size mm | OD   |
|-------|---------|------|
| NC471 | 15      | 5/8" |



**Slip Connector**

| 1400      | Size mm |
|-----------|---------|
| CM-SC-15S | 15      |



**PE Copper Coupler**

| 1400   | Size mm |
|--------|---------|
| JG603B | 25 x 15 |



**45° Stem Elbow**

| 1400       | Pipe mm | Stem mm |
|------------|---------|---------|
| PEM571515W | 15      | 15      |
| PEM572222W | 22      | 22      |



**Bend Tap Connector, Female Thread, BSPP**

| 1400       | Size mm | Thread |
|------------|---------|--------|
| PEMBTC1514 | 15      | 1/2"   |



**Stem Tee**

| 1400       | Size mm      |
|------------|--------------|
| PEM532210W | 22 x 22 x 10 |
| PEM532215W | 22 x 22 x 15 |



**4 Port Rail Manifold**

| 1400       | Size mm |
|------------|---------|
| SFM522210S | 22 x 10 |
| SFM522215S | 22 x 15 |



**4 Way Manifold**

| 1400       | Size mm |
|------------|---------|
| SFM512210S | 22 x 10 |



**Male Stem Adaptor, Brass, BSPT**

| 1400      | Size mm | Thread |
|-----------|---------|--------|
| MW052206N | 22      | 3/4"   |
| MW052818N | 28      | 1"     |



**Female Stem Adaptor, Brass, BSPP**

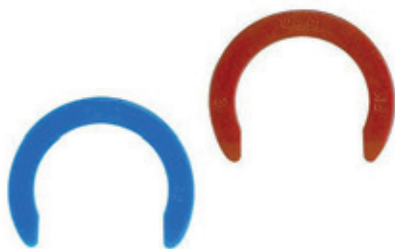
| 1400      | Size mm | Thread |
|-----------|---------|--------|
| MW502216N | 22      | 3/4"   |



**Pipe Adaptor, Brass**

| 1400   | Thread | Size mm |
|--------|--------|---------|
| NC2239 | 3/4"   | 22      |

## John Guest Plumbing Range



## Collet Locking Clip

| 1400    | Size mm | Colour |
|---------|---------|--------|
| CM1815B | 15      | Blue   |
| CM1815R | 15      | Red    |



## Collet Cover

| 1400    | Colour | Size mm |
|---------|--------|---------|
| AM1915W | White  | 15      |
| PM1915B | Blue   | 15      |



## Collets

| 1400  | Size mm |
|-------|---------|
| PXC10 | 10      |



## EPDM O Ring

| 1400  | Size mm |
|-------|---------|
| 10EPR | 10      |



## Thread Washer

| 1400   | Size |
|--------|------|
| 1/2EPW | 1/2" |



## Shut Off Valve, Imperial &amp; Metric

| 1400         | Tube OD 1 | Tube OD 2 |
|--------------|-----------|-----------|
| PPMSV040606W | 6mm       | 6mm       |
| PPMSV041010W | 10mm      | 10mm      |
| PPSV040808W  | 1/4"      | 1/4"      |
| PPSV041212W  | 3/8"      | 3/8"      |



## Shut Off Valve, Long Handle

| 1400      | Tube OD |
|-----------|---------|
| PISV0412S | 3/8"    |
| PISV0416S | 1/2"    |



## Shut Off Valve, Male Thread, NPT

| 1400        | Tube OD | Thread |
|-------------|---------|--------|
| PPSV010822W | 1/4"    | 1/4"   |
| PPSV011223W | 3/8"    | 3/8"   |



## Shut Off Valve, Female Thread, NPT

| 1400        | Tube OD | Thread |
|-------------|---------|--------|
| PPSV500822W | 1/4"    | 1/4"   |



## Mounting Clip

| 1400    | Size                     |
|---------|--------------------------|
| SVMC-10 | 3/8" Shut Off Valve Clip |



## Single Check Valve

| 1400    | Tube OD mm |
|---------|------------|
| 6SCV    | 6          |
| 10SCV   | 10         |
| 5/16SCV | 5/16"      |



## Conduit Pipe

| 1400         | Size mm | Length Metres |
|--------------|---------|---------------|
| 22BLKCON-25C | 22      | 25            |



## Bending Spring

| 1400    | Size mm |
|---------|---------|
| JG-BS15 | 15      |



## Superseal Pipe Insert

| 1400  | Size mm |
|-------|---------|
| STS15 | 15      |
| STS22 | 22      |
| STS28 | 28      |



## Pipe Clips &amp; Spacers

| 1400  | Size mm | Colour |
|-------|---------|--------|
| PC15W | 15      | White  |
| PC22W | 22      | White  |
| PC28W | 28      | White  |
| PCSW  | Spacer  | White  |



## Nail Clip

| 1400  | Size mm | Colour |
|-------|---------|--------|
| NPC15 | 15      | White  |

# BRASS PUSH-IN PLUMBING TUBE FITTINGS



## ITAP-FIT® Fitting

**Suitable for:**  
Copper, PEX and Polybutylene pipe.

**Working Temperature:**  
-20°C to +120°C

**Maximum Working Pressure:**  
Copper Pipe: 20 bar @ 25°C, 10 bar @ 90°C  
PEX and Polybutylene Pipe: 12 bar @ 25°C, 5 bar @ 90°C



### Female Stud Coupling

| 0089       | OD mm | Thread |
|------------|-------|--------|
| 610B038012 | 12    | 3/8"   |
| 610B012012 | 12    | 1/2"   |
| 610B012014 | 14    | 1/2"   |
| 610B012015 | 15    | 1/2"   |
| 610B012016 | 16    | 1/2"   |
| 610B012018 | 18    | 1/2"   |
| 610B012020 | 20    | 1/2"   |
| 610B034018 | 18    | 3/4"   |
| 610B034022 | 22    | 3/4"   |
| 610B034025 | 25    | 3/4"   |
| 610B100028 | 28    | 1"     |

Tech Sheet 10533



### Male Stud Coupling

| 0089       | OD mm | Thread |
|------------|-------|--------|
| 615B038012 | 12    | 3/8"   |
| 615B038014 | 14    | 3/8"   |
| 615B012012 | 12    | 1/2"   |
| 615B012014 | 14    | 1/2"   |
| 615B012015 | 15    | 1/2"   |
| 615B012016 | 16    | 1/2"   |
| 615B012018 | 18    | 1/2"   |
| 615B012020 | 20    | 1/2"   |
| 615B034018 | 18    | 3/4"   |
| 615B034022 | 22    | 3/4"   |
| 615B034025 | 25    | 3/4"   |
| 615B100028 | 28    | 1"     |

Tech Sheet 10533



### Female Stud 90° Elbow, BSPT

| 0089       | OD mm | Thread |
|------------|-------|--------|
| 645B038012 | 12    | 3/8"   |
| 645B012012 | 12    | 1/2"   |
| 645B012014 | 14    | 1/2"   |
| 645B012015 | 15    | 1/2"   |
| 645B012016 | 16    | 1/2"   |
| 645B012018 | 18    | 1/2"   |
| 645B012020 | 20    | 1/2"   |
| 645B034018 | 18    | 3/4"   |
| 645B034022 | 22    | 3/4"   |
| 645B034025 | 25    | 3/4"   |
| 645B100028 | 28    | 1"     |

Tech Sheet 10533



### Female Stud 90° Elbow (Wall Mount), BSPT

| 0089       | OD mm | Thread |
|------------|-------|--------|
| 648B038012 | 12    | 3/8"   |
| 648B012012 | 12    | 1/2"   |
| 648B012014 | 14    | 1/2"   |
| 648B012015 | 15    | 1/2"   |
| 648B012016 | 16    | 1/2"   |
| 648B012018 | 18    | 1/2"   |
| 648B012020 | 20    | 1/2"   |
| 648B034018 | 18    | 3/4"   |
| 648B034022 | 22    | 3/4"   |

Tech Sheet 10533



### Male Stud 90° Elbow, BSPT

| 0089       | OD mm | Thread |
|------------|-------|--------|
| 640B038012 | 12    | 3/8"   |
| 640B012012 | 12    | 1/2"   |
| 640B012014 | 14    | 1/2"   |
| 640B012015 | 15    | 1/2"   |
| 640B012016 | 16    | 1/2"   |
| 640B012018 | 18    | 1/2"   |
| 640B012020 | 20    | 1/2"   |
| 640B034018 | 18    | 3/4"   |
| 640B034022 | 22    | 3/4"   |
| 640B034025 | 25    | 3/4"   |
| 640B100028 | 28    | 1"     |

Tech Sheet 10533



### Female Branch Tee, BSPT

| 0089       | OD mm | Thread |
|------------|-------|--------|
| 635B012014 | 14    | 1/2"   |
| 635B012015 | 15    | 1/2"   |
| 635B012016 | 16    | 1/2"   |
| 635B012018 | 18    | 1/2"   |
| 635B012020 | 20    | 1/2"   |
| 635B034018 | 18    | 3/4"   |
| 635B034022 | 22    | 3/4"   |
| 635B034025 | 25    | 3/4"   |
| 635B100028 | 28    | 1"     |

Tech Sheet 10533



### Disconnecting Clip

| 0089   | OD mm |
|--------|-------|
| 671012 | 12    |
| 671014 | 14    |
| 671015 | 15    |
| 671016 | 16    |
| 671018 | 18    |
| 671020 | 20    |
| 671022 | 22    |
| 671025 | 25    |
| 671028 | 28    |

Tech Sheet 10533



### Depth Gauge

| 0089      |
|-----------|
| 685012028 |

Tech Sheet 10533

## BRASS PUSH-IN PLUMBING TUBE FITTINGS



## ITAP-FIT® Fitting

**Suitable for:**  
Copper, PEX and Polybutylene pipe

**Working Temperature:**  
-20°C to +120°C

**Maximum Working Pressure:**  
Copper Pipe: 20 bar @ 25°C, 10 bar @ 90°C  
PEX and Polybutylene Pipe: 12 bar @ 25°C, 5 bar @ 90°C



## Straight

| 0089             | OD mm |
|------------------|-------|
| 620C000012       | 12    |
| 620C000014       | 14    |
| 620C000015       | 15    |
| 620C000016       | 16    |
| 620C000018       | 18    |
| 620C000020       | 20    |
| 620C000022       | 22    |
| 620C000025       | 25    |
| 620C000028       | 28    |
| Tech Sheet 10533 |       |



## End Stop

| 0089             | OD mm |
|------------------|-------|
| 625C000012       | 12    |
| 625C000014       | 14    |
| 625C000015       | 15    |
| 625C000016       | 16    |
| 625C000018       | 18    |
| 625C000020       | 20    |
| 625C000022       | 22    |
| Tech Sheet 10533 |       |



## O-Ring

| 0089             | OD mm |
|------------------|-------|
| 656EP012         | 12    |
| 656EP014         | 14    |
| 656EP015         | 15    |
| 656EP016         | 16    |
| 656EP018         | 18    |
| 656EP020         | 20    |
| 656EP022         | 22    |
| 656EP025         | 25    |
| 656EP028         | 28    |
| Tech Sheet 10533 |       |



## Equal 90° Elbow

| 0089             | OD mm |
|------------------|-------|
| 650C000012       | 12    |
| 650C000014       | 14    |
| 650C000015       | 15    |
| 650C000016       | 16    |
| 650C000018       | 18    |
| 650C000020       | 20    |
| 650C000022       | 22    |
| 650C000025       | 25    |
| 650C000028       | 28    |
| Tech Sheet 10533 |       |



## Tube Liner

| 0089             | To Suit  |
|------------------|----------|
| 655BU012110      | 12 x 1.1 |
| 655BU012180      | 12 x 1.8 |
| 655BU012200      | 12 x 2.0 |
| 655BU015180      | 15 x 1.8 |
| 655BU015250      | 15 x 2.5 |
| 655BU016150      | 16 x 1.5 |
| 655BU016180      | 16 x 1.8 |
| 655BU016200      | 16 x 2.0 |
| 655BU018200      | 18 x 2.0 |
| 655BU020190      | 20 x 1.9 |
| 655BU020280      | 20 x 2.8 |
| 655BU022200      | 22 x 2.0 |
| 655BU025230      | 25 x 2.3 |
| 655BU025250      | 25 x 2.5 |
| 655BU028280      | 28 x 2.8 |
| 655BU028300      | 28 x 3.0 |
| Tech Sheet 10533 |          |



## Spacer

| 0089             | OD mm |
|------------------|-------|
| 657DI012         | 12    |
| 657DI014         | 14    |
| 657DI015         | 15    |
| 657DI016         | 16    |
| 657DI018         | 18    |
| 657DI020         | 20    |
| 657DI022         | 22    |
| 657DI025         | 25    |
| 657DI028         | 28    |
| Tech Sheet 10533 |       |



## Equal Tee

| 0089             | OD mm |
|------------------|-------|
| 630C000012       | 12    |
| 630C000014       | 14    |
| 630C000015       | 15    |
| 630C000016       | 16    |
| 630C000018       | 18    |
| 630C000020       | 20    |
| 630C000022       | 22    |
| 630C000025       | 25    |
| 630C000028       | 28    |
| Tech Sheet 10533 |       |



## Ring

| 0089             | OD mm |
|------------------|-------|
| 658AG012         | 12    |
| 658AG014         | 14    |
| 658AG015         | 15    |
| 658AG016         | 16    |
| 658AG018         | 18    |
| 658AG020         | 20    |
| 658AG022         | 22    |
| 658AG025         | 25    |
| 658AG028         | 28    |
| Tech Sheet 10533 |       |