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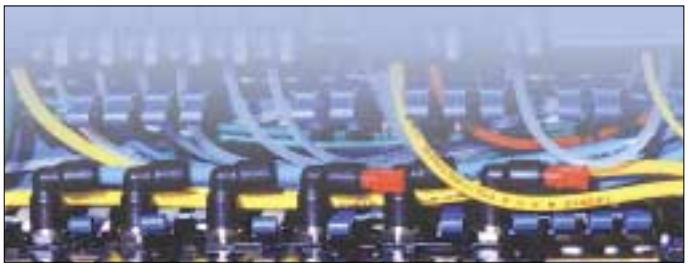
# pneumatic push-in fittings system LF 3000®

# Principle of system LF 3000®

Invented and launched by **Legris** in 1969, the **LF 3000® system** has become universally adopted.
It has been designed using a simple and widely proven operating principle which allows instant fitting.
The **connection** of tube to fitting is made by simply pushing the tube into the fitting, no other operation is required.
**Disconnection** is similarly **"instantaneous"**.



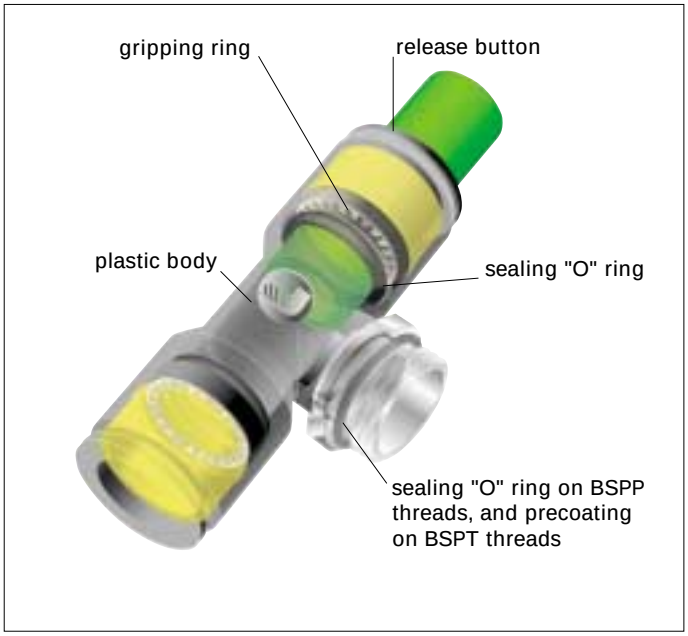
Attentive to market needs, **Legris** has taken into account the requirements of its customers, i.e. optimisation of performance, miniaturization and appearance.
In order to be utilised to its maximum capability, the **LF 3000® system** is available in 3 ranges :

- for **metric tubing** with **BSP threads in taper, parallel or metric form.**
- for fractional **inch tubing** with **BSP threads in taper form.**
- for fractional **inch tubing** with **NPT threads.**

Millions of fittings are in service throughout the world. Designed for pneumatic installations, the **LF 3000® system** is therefore an essential component in a wide variety of industries.

## technical specifications

Reliable performance is dependent upon the type of tubing being used, ambient temperature and fluid conveyed together with the suitability of component materials of the fitting, according to the application.




| | |
|---|---|
| **suitable fluids** | compressed air<br>*LF 3000® can also be used for conveying various types of liquids (water, cutting oil, etc) for industrial applications. The working pressure, from 0 to 6 / 10 bar, and temperatures, from 0 to 60°C, are dependent upon the fluid conveyed and the type of 'O' ring used. For further information, please consult us.* |
| **working pressure** | 20 bar maximum<br>Maximum circuit pressure depends equally on the type and diameter of tubing used. |
| **vacuum capability** | vacuum of 755 mm Hg<br>(99% vacuum) |
| **working temperature** | -20° to +80°C<br>The fitting's suitability depends equally on the type and OD of the tube used.<br>For temperature above 80°C, please consult us. |
| **constituent materials** | **body :** glass reinforced nylon 6.6<br>**collar :** nylon<br>**gripping ring :** stainless steel<br>**"O" rings :** nitrile (EPDM, FPM upon request)<br>**sub-base :** nickel-plated brass (stainless steel upon request) |

| **maximum tightening torque for LF 3000® fittings, BSPP threads, M5 and M7** | Thread | M3 x 0,5 | M5 x0,8 | M7 x1 | G1/8" | G1/4" | G3/8" | G1/2" |
|---|---|---|---|---|---|---|---|---|
| | m. da N | 0,06 | 0,16 | 0,8 | 0,8 | 1,2 | 3 | 3,5 |

**All items in the LF 3000® range are guaranteed SILICONE FREE**

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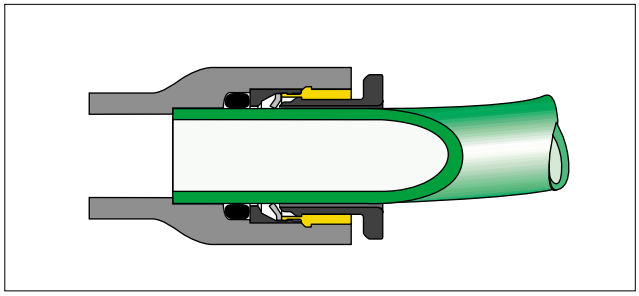
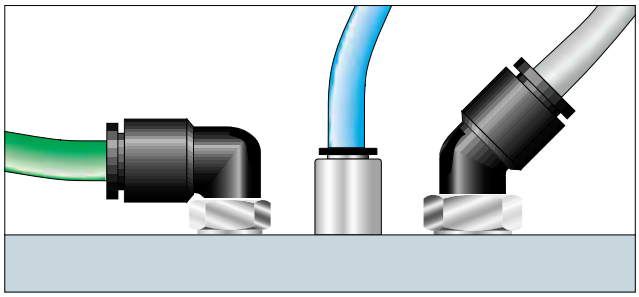
# Advantages of system LF 3000®

## PERFORMANCE AND RELIABILITY

- full flow : as gripping and sealing within the fitting is achieved using the outside of the tube without deformation, there is no flow restriction.
- automatic sealing : the 'O' ring within the fitting provides a positive seal on the O.D. of the tube, in both static and dynamic positions, due to the **optimized design** of the tube guide.





## ONE OF THE MOST EXTENSIVE RANGES ON THE MARKET

- **a solution for all applications :** wide variety of body designs and numerous configurations, from 3 mm to 14 mm diameters.
- **3 types of thread :** BSP parallel, BSP taper and metric.
- **special items** on request.

## COMPACT AND AESTHETIC

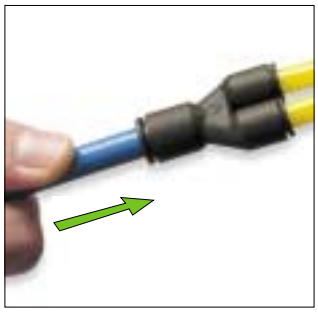
- optimized dimensions and new body designs, to satisfy the ergonomics and **aesthetics of pneumatic installations.**

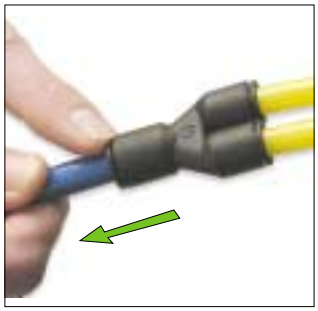
## LIGHT WEIGHT

- a feature introduced for improved performance, mobility and productivity.

## IMMEDIATE SEAL

- for parallel threaded fittings, due to a patented built in captive 'O' ring seal.
- for tapered threaded fittings due to pre-coating.





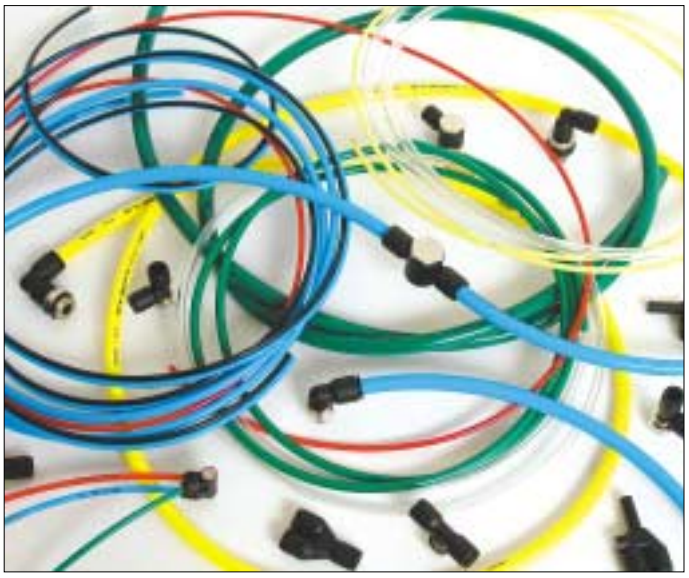
## INSTANT CONNECTION AND DISCONNECTION

- instant connection and disconnection without the use of spanners.
- **release buttons :** available in 5 colours, to **identify** different circuits.

***Our production process includes individual unit quality control and dating, for all LF 3000® push-in fittings, in order to guarantee their quality and traceability.***

**LF 3000®** pneumatic push-in fittings can be used with various Legris **technical tubing**

## semi-rigid close tolerance nylon tubing

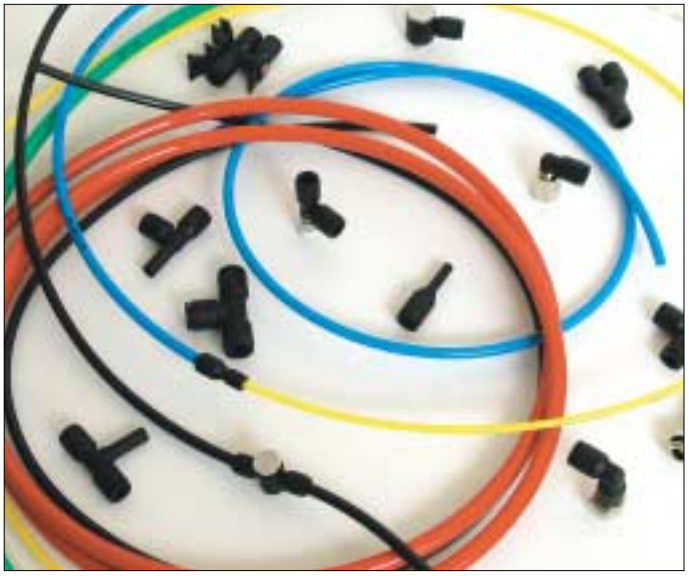


Main advantages of use of Legris nylon tubing with LF 3000® push-in fittings

- large range of working temperatures and pressures
- small pressure drop
- constant rigidity, good ageing
- good absorbtion of vibration
- 7 colours for easy identification of circuits

- 3 mm to 16 mm O.D.
- in 25 m rolls: part number **1025P**
- in 100 m rolls: part number **1100P**

## close tolerance flexible polyurethane tubing



Main advantages of use of Legris polyurethane tubing with LF 3000® push-in fittings

- high flexibility and small bend radius
- large range of working temperatures and pressures
- small pressure drop
- constant rigidity, good ageing
- good absorbtion of vibration
- 7 colours for easy identification of circuits

- 3 mm to 14 mm O.D.
- 2 ranges: polyester and polyether tubing
- in 25 m rolls:
  - polyester polyurethane, part number **1025U**
  - polyether polyurethane, part number **1025U..R**
- in 100 m rolls:
  - polyester polyurethane, part number **1100U**
  - polyether polyurethane, part number **1100U..R**

Legris polyurethane tubing is supplied in tubepack® boxes

- easy storage
- protection of tubing against outside aggression
- easy dispensing of the tube
- immediate visual identification of tubing

## You can find LF 3000® push-in fittings on legris.com

### online catalogue

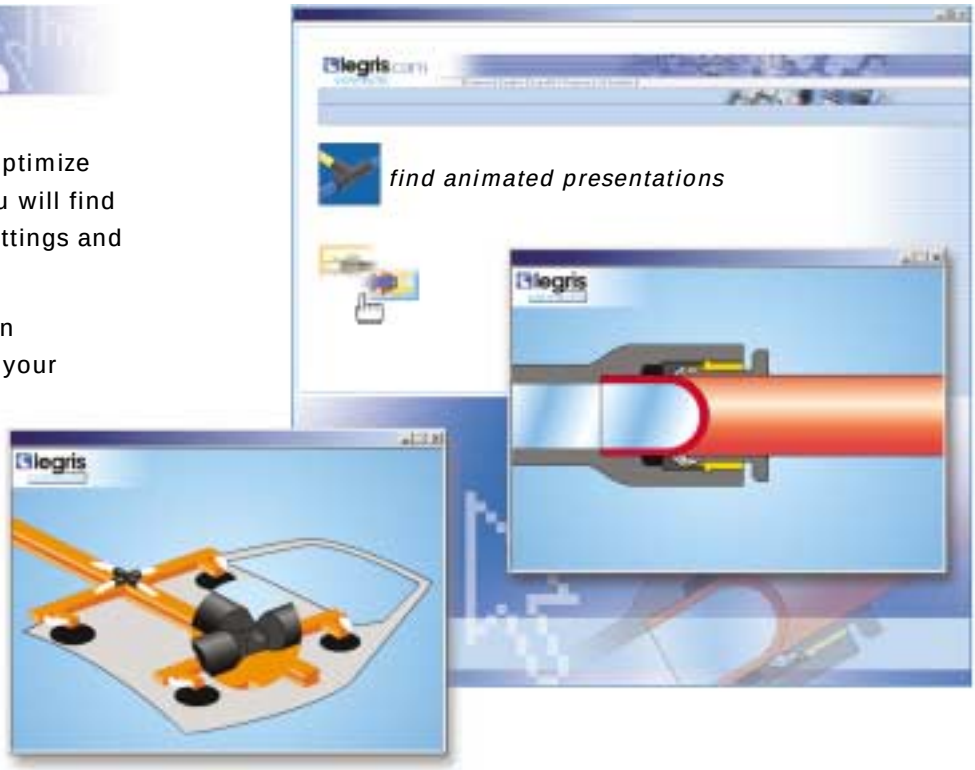
- with the **online catalogue**, regularly updated, you can easily find the whole range of **LF 3000®** for metric and inch tubing.

- you can find a product quickly thanks to 3 search options
- you can get a complete product datasheet with a photo, technical drawing and specifications
- you can ask for a quotation from our distributors
- you can download CAD drawings for free

### learning space

- with the **learning space** designed to optimize performance of your installations, you will find **animated presentations** of LF 3000® fittings and their functions:

  - instant connection and disconnection
  - applications and solutions to match your equipment requirements



# tube to tube fittings

## 3140 single "Y" piece - equal and unequal

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 4 | 3140 04 00 |
| 6 | 6 | 3140 06 00 |
| 8 | 8 | 3140 08 00 |
| 10 | 10 | 3140 10 00 |
| 12 | 12 | 3140 12 00 |
| | | |
| 4 | 6 | 3140 04 06 |
| 6 | 8 | 3140 06 08 |
| 8 | 10 | 3140 08 10 |
| 10 | 12 | 3140 10 12 |

## 3106 tube/tube connector

| Ø D | |
|---|---|
| 3 | 3106 03 00 |
| 4 | 3106 04 00 |
| 6 | 3106 06 00 |
| 8 | 3106 08 00 |
| 10 | 3106 10 00 |
| 12 | 3106 12 00 |
| 14 | 3106 14 00 |

## 3106 unequal tube/tube connector

| ØD1 | ØD2 | |
|---|---|---|
| 3 | 4 | 3106 03 04 |
| 4 | 6 | 3106 04 06 |
| 4 | 8 | 3106 04 08 |
| 6 | 8 | 3106 06 08 |
| 6 | 10 | 3106 06 10 |
| 8 | 10 | 3106 08 10 |
| 8 | 12 | 3106 08 12 |
| 10 | 12 | 3106 10 12 |
| 12 | 14 | 3106 12 14 |

## 3144 double "Y" piece - equal and unequal

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 4 | 3144 04 04 |
| 6 | 6 | 3144 06 06 |
| | | |
| 4 | 6 | 3144 04 06 |
| 6 | 8 | 3144 06 08 |

## 3102 equal elbow

| ØD | |
|---|---|
| 4 | 3102 04 00 |
| 6 | 3102 06 00 |
| 8 | 3102 08 00 |
| 10 | 3102 10 00 |
| 12 | 3102 12 00 |
| 14 | 3102 14 00 |

## 3102 unequal elbow

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 6 | 3102 04 06 |
| 6 | 8 | 3102 06 08 |
| 8 | 10 | 3102 08 10 |
| 10 | 12 | 3102 10 12 |

## 3104 equal tee

| ØD | |
|---|---|
| 3 | 3104 03 00 |
| 4 | 3104 04 00 |
| 6 | 3104 06 00 |
| 8 | 3104 08 00 |
| 10 | 3104 10 00 |
| 12 | 3104 12 00 |
| 14 | 3104 14 00 |

## 3104 unequal tee

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 6 | 3104 04 06 |
| 6 | 4 | 3104 06 04 |
| 6 | 8 | 3104 06 08 |
| 8 | 6 | 3104 08 06 |
| 8 | 10 | 3104 08 10 |
| 10 | 8 | 3104 10 08 |
| 10 | 12 | 3104 10 12 |
| 12 | 10 | 3104 12 10 |
| 14 | 8 | 3104 14 08 |

# bulkhead connector fittings

## 3116 bulkhead connector

| ØD | |
|---|---|
| 4 | 3116 04 00 |
| 6 | 3116 06 00 |
| 8 | 3116 08 00 |
| 10 | 3116 10 00 |
| 12 | 3116 12 00 |
| 14 | 3116 14 00 |

All plastic nuts are fitted with an "O" ring to optimise sealing to a panel

## 3136 female bulkhead connector, BSPP thread

| ØD | C | |
|---|---|---|
| 4 | G1/8 | 3136 04 10 |
| 4 | G1/4 | 3136 04 13 |
| 6 | G1/8 | 3136 06 10 |
| 6 | G1/4 | 3136 06 13 |
| 6 | G3/8 | 3136 06 17 |
| 8 | G1/8 | 3136 08 10 |
| 8 | G1/4 | 3136 08 13 |
| 10 | G3/8 | 3136 10 17 |
| 12 | G3/8 | 3136 12 17 |
| 12 | G1/2 | 3136 12 21 |

## 3146 mixed bulkhead connector

| ØD | |
|---|---|
| 4 | 3146 04 00 |
| 6 | 3146 06 00 |
| 8 | 3146 08 00 |
| 10 | 3146 10 00 |
| 12 | 3146 12 00 |
| 14 | 3146 14 00 |

## 3139 equal bulkhead elbow

| ØD | |
|---|---|
| 4 | 3139 04 00 |
| 6 | 3139 06 00 |
| 8 | 3139 08 00 |
| 10 | 3139 10 00 |
| 12 | 3139 12 00 |
| 14 | 3139 14 00 |

# self-sealing fittings

## 3391 self-sealing male stud fitting, BSPP thread

| ØD | C | |
|---|---|---|
| 4 | G1/8 | 3391 04 10 |
| 6 | G1/8 | 3391 06 10 |
| 8 | G1/8 | 3391 08 10 |
| 8 | G1/4 | 3391 08 13 |
| 10 | G3/8 | 3391 10 17 |

## 3091 self-sealing male stud fitting, BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3091 04 10 |
| 6 | R1/8 | 3091 06 10 |
| 8 | R1/8 | 3091 08 10 |
| 8 | R1/4 | 3091 08 13 |
| 10 | R3/8 | 3091 10 17 |

## 3160 self-sealing plug-in fitting

| ØD | |
|---|---|
| 4 | 3160 04 00 |
| 6 | 3160 06 00 |
| 8 | 3160 08 00 |

## 3114 female stud fitting with BSPP and M5 thread

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3114 04 19 |
| 4 | G1/8 | 3114 04 10 |
| 4 | G1/4 | 3114 04 13 |
| 6 | G1/8 | 3114 06 10 |
| 6 | G1/4 | 3114 06 13 |
| 8 | G1/8 | 3114 08 10 |
| 8 | G1/4 | 3114 08 13 |
| 8 | G3/8 | 3114 08 17 |
| 10 | G1/4 | 3114 10 13 |
| 10 | G3/8 | 3114 10 17 |
| 10 | G1/2 | 3114 10 21 |
| 12 | G3/8 | 3114 12 17 |
| 12 | G1/2 | 3114 12 21 |
| 14 | G3/8 | 3114 14 17 |

## 3109 male stud elbow, BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3109 04 10 |
| 4 | R1/4 | 3109 04 13 |
| 4 | R3/8 | 3109 04 17 |
| 6 | R1/8 | 3109 06 10 |
| 6 | R1/4 | 3109 06 13 |
| 6 | R3/8 | 3109 06 17 |
| 6 | R1/2 | 3109 06 21 |
| 8 | R1/8 | 3109 08 10 |
| 8 | R1/4 | 3109 08 13 |
| 8 | R3/8 | 3109 08 17 |
| 8 | R1/2 | 3109 08 21 |
| 10 | R1/8 | 3109 10 10 |
| 10 | R1/4 | 3109 10 13 |
| 10 | R3/8 | 3109 10 17 |
| 10 | R1/2 | 3109 10 21 |
| 12 | R1/4 | 3109 12 13 |
| 12 | R3/8 | 3109 12 17 |
| 12 | R1/2 | 3109 12 21 |
| 14 | R3/8 | 3109 14 17 |
| 14 | R1/2 | 3109 14 21 |

## 3169 extended male stud elbow, BSPP, M5 and M7 thread

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3169 04 19 |
| 4 | M7x1 | 3169 04 55 |
| 4 | G1/8 | 3169 04 10 |
| 4 | G1/4 | 3169 04 13 |
| 6 | M5x0,8 | 3169 06 19 |
| 6 | M7x1 | 3169 06 55 |
| 6 | G1/8 | 3169 06 10 |
| 6 | G1/4 | 3169 06 13 |
| 8 | G1/8 | 3169 08 10 |
| 8 | G1/4 | 3169 08 13 |
| 8 | G3/8 | 3169 08 17 |
| 10 | G1/4 | 3169 10 13 |
| 10 | G3/8 | 3169 10 17 |
| 10 | G1/2 | 3169 10 21 |
| 12 | G1/4 | 3169 12 13 |
| 12 | G3/8 | 3169 12 17 |
| 12 | G1/2 | 3169 12 21 |
| 14 | G3/8 | 3169 14 17 |
| 14 | G1/2 | 3169 14 21 |

## 3124 single banjo with female BSPP bolt, M5 and BSPP thread

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3124 04 19 |
| 4 | G1/8 | 3124 04 10 |
| 6 | G1/4 | 3124 06 13 |
| 8 | G3/8 | 3124 08 17 |

## 3118 single banjo, BSPP, M3 and M5 thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3118 03 09 |
| 3 | M5x0,8 | 3118 03 19 |
| 4 | M5x0,8 | 3118 04 19 |
| 4 | G1/8 | 3118 04 10 |
| 6 | M5x0,8 | 3118 06 19 |
| 6 | G1/8 | 3118 06 10 |
| 6 | G1/4 | 3118 06 13 |
| 8 | G1/8 | 3118 08 10 |
| 8 | G1/4 | 3118 08 13 |
| 8 | G3/8 | 3118 08 17 |
| 10 | G1/4 | 3118 10 13 |
| 10 | G3/8 | 3118 10 17 |
| 10 | G1/2 | 3118 10 21 |
| 12 | G3/8 | 3118 12 17 |
| 12 | G1/2 | 3118 12 21 |

## 3101 male stud fitting, hexagonal, with BSPP, M3, M5 and M7 thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3101 03 09 |
| 3 | M5x0,8 | 3101 03 19 |
| 4 | M3x0,5 | 3101 04 09 |
| 4 | M5x0,8 | 3101 04 19 |
| 4 | M7x1 | 3101 04 55 |
| 4 | G1/8 | 3101 04 10 |
| 4 | G1/4 | 3101 04 13 |
| 6 | M5x0,8 | 3101 06 19 |
| 6 | M7x1 | 3101 06 55 |
| 6 | M10x1 | 3101 06 60 |
| 6 | M12x1,5 | 3101 06 67 |
| 6 | G1/8 | 3101 06 10 |
| 6 | G1/4 | 3101 06 13 |
| 6 | G3/8 | 3101 06 17 |
| 6 | G1/2 | 3101 06 21 |
| 8 | M10x1 | 3101 08 60 |
| 8 | M12x1,5 | 3101 08 67 |
| 8 | G1/8 | 3101 08 10 |
| 8 | G1/4 | 3101 08 13 |
| 8 | G3/8 | 3101 08 17 |
| 8 | G1/2 | 3101 08 21 |
| 10 | G1/4 | 3101 10 13 |
| 10 | G3/8 | 3101 10 17 |
| 10 | G1/2 | 3101 10 21 |
| 12 | G1/4 | 3101 12 13 |
| 12 | G3/8 | 3101 12 17 |
| 12 | G1/2 | 3101 12 21 |
| 14 | G3/8 | 3101 14 17 |
| 14 | G1/2 | 3101 14 21 |

## 3133 45° male elbow, BSPP and M5 thread

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3133 04 19 |
| 4 | G1/8 | 3133 04 10 |
| 6 | M5x0,8 | 3133 06 19 |
| 6 | G1/8 | 3133 06 10 |
| 6 | G1/4 | 3133 06 13 |
| 8 | G1/8 | 3133 08 10 |
| 8 | G1/4 | 3133 08 13 |
| 8 | G3/8 | 3133 08 17 |
| 10 | G1/4 | 3133 10 13 |
| 10 | G3/8 | 3133 10 17 |
| 10 | G1/2 | 3133 10 21 |
| 12 | G1/4 | 3133 12 13 |
| 12 | G3/8 | 3133 12 17 |
| 12 | G1/2 | 3133 12 21 |

## 3129 extended male stud elbow, BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3129 04 10 |
| 4 | R1/4 | 3129 04 13 |
| 6 | R1/8 | 3129 06 10 |
| 6 | R1/4 | 3129 06 13 |
| 8 | R1/8 | 3129 08 10 |
| 8 | R1/4 | 3129 08 13 |
| 8 | R3/8 | 3129 08 17 |
| 10 | R1/4 | 3129 10 13 |
| 10 | R3/8 | 3129 10 17 |
| 10 | R1/2 | 3129 10 21 |
| 12 | R1/4 | 3129 12 13 |
| 12 | R3/8 | 3129 12 17 |
| 12 | R1/2 | 3129 12 21 |
| 14 | R3/8 | 3129 14 17 |
| 14 | R1/2 | 3129 14 21 |

## 3018 single banjo, BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3018 04 10 |
| 6 | R1/8 | 3018 06 10 |
| 6 | R1/4 | 3018 06 13 |
| 8 | R1/8 | 3018 08 10 |
| 8 | R1/4 | 3018 08 13 |
| 8 | R3/8 | 3018 08 17 |
| 10 | R1/4 | 3018 10 13 |
| 10 | R3/8 | 3018 10 17 |
| 12 | R1/4 | 3018 12 13 |
| 12 | R3/8 | 3018 12 17 |
| 12 | R1/2 | 3018 12 21 |

## 3119 double banjo, BSPP and M5 thread

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3119 04 19 |
| 4 | G1/8 | 3119 04 10 |
| 6 | G1/8 | 3119 06 10 |
| 6 | G1/4 | 3119 06 13 |
| 8 | G1/4 | 3119 08 13 |
| 8 | G3/8 | 3119 08 17 |
| 10 | G3/8 | 3119 10 17 |

## 3181 male stud fitting, round body, M7 thread

| ØD | C | |
|---|---|---|
| 4 | M7x1 | 3181 04 55 |
| 6 | M7x1 | 3181 06 55 |

An internal hexagon assists tightening.

## 3175 male stud fitting, hexagonal, with BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3175 04 10 |
| 4 | R1/4 | 3175 04 13 |
| 4 | R3/8 | 3175 04 17 |
| 6 | R1/8 | 3175 06 10 |
| 6 | R1/4 | 3175 06 13 |
| 6 | R3/8 | 3175 06 17 |
| 6 | R1/2 | 3175 06 21 |
| 8 | R1/8 | 3175 08 10 |
| 8 | R1/4 | 3175 08 13 |
| 8 | R3/8 | 3175 08 17 |
| 8 | R1/2 | 3175 08 21 |
| 10 | R1/8 | 3175 10 10 |
| 10 | R1/4 | 3175 10 13 |
| 10 | R3/8 | 3175 10 17 |
| 10 | R1/2 | 3175 10 21 |
| 12 | R1/4 | 3175 12 13 |
| 12 | R3/8 | 3175 12 17 |
| 12 | R1/2 | 3175 12 21 |
| 14 | R3/8 | 3175 14 17 |
| 14 | R1/2 | 3175 14 21 |

## 3113 45° male elbow, BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3113 04 10 |
| 6 | R1/8 | 3113 06 10 |
| 6 | R1/4 | 3113 06 13 |
| 8 | R1/8 | 3113 08 10 |
| 8 | R1/4 | 3113 08 13 |
| 8 | R3/8 | 3113 08 17 |
| 10 | R1/4 | 3113 10 13 |
| 10 | R3/8 | 3113 10 17 |
| 10 | R1/2 | 3113 10 21 |
| 12 | R1/4 | 3113 12 13 |
| 12 | R3/8 | 3113 12 17 |
| 12 | R1/2 | 3113 12 21 |

## 3199 male stud elbow, BSPP and metric thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3199 03 09 |
| 3 | M5x0,8 | 3199 03 19 |
| 4 | M3x0,5 | 3199 04 09 |
| 4 | M5x0,8 | 3199 04 19 |
| 4 | M7x1 | 3199 04 55 |
| 4 | G1/8 | 3199 04 10 |
| 4 | G1/4 | 3199 04 13 |
| 6 | M5x0,8 | 3199 06 19 |
| 6 | M7x1 | 3199 06 55 |
| 6 | M10x1 | 3199 06 60 |
| 6 | M12x1,5 | 3199 06 67 |
| 6 | G1/8 | 3199 06 10 |
| 6 | G1/4 | 3199 06 13 |
| 6 | G3/8 | 3199 06 17 |
| 6 | G1/2 | 3199 06 21 |
| 8 | M10x1 | 3199 08 60 |
| 8 | M12x1,5 | 3199 08 67 |
| 8 | G1/8 | 3199 08 10 |
| 8 | G1/4 | 3199 08 13 |
| 8 | G3/8 | 3199 08 17 |
| 8 | G1/2 | 3199 08 21 |
| 10 | G1/4 | 3199 10 13 |
| 10 | G3/8 | 3199 10 17 |
| 10 | G1/2 | 3199 10 21 |
| 12 | G1/4 | 3199 12 13 |
| 12 | G3/8 | 3199 12 17 |
| 12 | G1/2 | 3199 12 21 |
| 14 | G3/8 | 3199 14 17 |
| 14 | G1/2 | 3199 14 21 |

## 3149 twin banjo, BSPP and M5 thread

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3149 04 19 |
| 4 | G1/8 | 3149 04 10 |
| 6 | G1/8 | 3149 06 10 |
| 6 | G1/4 | 3149 06 13 |
| 8 | G1/4 | 3149 08 13 |
| 8 | G3/8 | 3149 08 17 |
| 10 | G3/8 | 3149 10 17 |

## 3108 male stud branch tee, BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3108 04 10 |
| 4 | R1/4 | 3108 04 13 |
| 6 | R1/8 | 3108 06 10 |
| 6 | R1/4 | 3108 06 13 |
| 8 | R1/8 | 3108 08 10 |
| 8 | R1/4 | 3108 08 13 |
| 8 | R3/8 | 3108 08 17 |
| 10 | R1/4 | 3108 10 13 |
| 10 | R3/8 | 3108 10 17 |
| 10 | R1/2 | 3108 10 21 |
| 12 | R1/4 | 3108 12 13 |
| 12 | R3/8 | 3108 12 17 |
| 12 | R1/2 | 3108 12 21 |
| 14 | R3/8 | 3108 14 17 |
| 14 | R1/2 | 3108 14 21 |

## 3103 male stud run tee, BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3103 04 10 |
| 4 | R1/4 | 3103 04 13 |
| 6 | R1/8 | 3103 06 10 |
| 6 | R1/4 | 3103 06 13 |
| 8 | R1/8 | 3103 08 10 |
| 8 | R1/4 | 3103 08 13 |
| 8 | R3/8 | 3103 08 17 |
| 10 | R1/4 | 3103 10 13 |
| 10 | R3/8 | 3103 10 17 |
| 10 | R1/2 | 3103 10 21 |
| 12 | R1/4 | 3103 12 13 |
| 12 | R3/8 | 3103 12 17 |
| 12 | R1/2 | 3103 12 21 |
| 14 | R3/8 | 3103 14 17 |
| 14 | R1/2 | 3103 14 21 |

## 3121 male BSPT threaded standpipe

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3121 04 10 |
| 4 | R1/4 | 3121 04 13 |
| 6 | R1/8 | 3121 06 10 |
| 6 | R1/4 | 3121 06 13 |
| 8 | R1/8 | 3121 08 10 |
| 8 | R1/4 | 3121 08 13 |
| 8 | R3/8 | 3121 08 17 |
| 10 | R1/4 | 3121 10 13 |
| 10 | R3/8 | 3121 10 17 |
| 10 | R1/2 | 3121 10 21 |
| 12 | R3/8 | 3121 12 17 |
| 12 | R1/2 | 3121 12 21 |
| 14 | R1/2 | 3121 14 21 |

## 3198 male stud branch tee BSPP and M5 thread

| ØD | C | |
|---|---|---|
| 4 | M5X0,8 | 3198 04 19 |
| 4 | G1/8 | 3198 04 10 |
| 4 | G1/4 | 3198 04 13 |
| 6 | M5X0,8 | 3198 06 19 |
| 6 | G1/8 | 3198 06 10 |
| 6 | G1/4 | 3198 06 13 |
| 8 | G1/8 | 3198 08 10 |
| 8 | G1/4 | 3198 08 13 |
| 8 | G3/8 | 3198 08 17 |
| 10 | G1/4 | 3198 10 13 |
| 10 | G3/8 | 3198 10 17 |
| 10 | G1/2 | 3198 10 21 |
| 12 | G1/4 | 3198 12 13 |
| 12 | G3/8 | 3198 12 17 |
| 12 | G1/2 | 3198 12 21 |
| 14 | G3/8 | 3198 14 17 |
| 14 | G1/2 | 3198 14 21 |

## 3193 male stud run tee BSPP and M5 thread

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3193 04 19 |
| 4 | G1/8 | 3193 04 10 |
| 4 | G1/4 | 3193 04 13 |
| 6 | M5x0,8 | 3193 06 19 |
| 6 | G1/8 | 3193 06 10 |
| 6 | G1/4 | 3193 06 13 |
| 8 | G1/8 | 3193 08 10 |
| 8 | G1/4 | 3193 08 13 |
| 8 | G3/8 | 3193 08 17 |
| 10 | G1/4 | 3193 10 13 |
| 10 | G3/8 | 3193 10 17 |
| 10 | G1/2 | 3193 10 21 |
| 12 | G1/4 | 3193 12 13 |
| 12 | G3/8 | 3193 12 17 |
| 12 | G1/2 | 3193 12 21 |
| 14 | G3/8 | 3193 14 17 |
| 14 | G1/2 | 3193 14 21 |

## 3192 female stud elbow, BSPP thread

| ØD | C | |
|---|---|---|
| 4 | G1/8 | 3192 04 10 |
| 4 | G1/4 | 3192 04 13 |
| 6 | G1/8 | 3192 06 10 |
| 6 | G1/4 | 3192 06 13 |
| 8 | G1/8 | 3192 08 10 |
| 8 | G1/4 | 3192 08 13 |
| 8 | G3/8 | 3192 08 17 |
| 10 | G1/4 | 3192 10 13 |
| 10 | G3/8 | 3192 10 17 |
| 10 | G1/2 | 3192 10 21 |
| 12 | G1/4 | 3192 12 13 |
| 12 | G3/8 | 3192 12 17 |
| 12 | G1/2 | 3192 12 21 |

## 3131 male parallel and M5 threaded standpipe

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3131 04 19 |
| 4 | G1/8 | 3131 04 10 |
| 4 | G1/4 | 3131 04 13 |
| 6 | G1/8 | 3131 06 10 |
| 6 | G1/4 | 3131 06 13 |
| 8 | G1/8 | 3131 08 10 |
| 8 | G1/4 | 3131 08 13 |
| 8 | G3/8 | 3131 08 17 |
| 10 | G1/4 | 3131 10 13 |
| 10 | G3/8 | 3131 10 17 |
| 10 | G1/2 | 3131 10 21 |
| 12 | G3/8 | 3131 12 17 |
| 12 | G1/2 | 3131 12 21 |
| 14 | G3/8 | 3131 14 17 |
| 14 | G1/2 | 3131 14 21 |

## 3148 "Y" piece with male BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3148 04 10 |
| 4 | R1/4 | 3148 04 13 |
| 6 | R1/8 | 3148 06 10 |
| 6 | R1/4 | 3148 06 13 |
| 8 | R1/8 | 3148 08 10 |
| 8 | R1/4 | 3148 08 13 |
| 8 | R3/8 | 3148 08 17 |
| 10 | R1/4 | 3148 10 13 |
| 10 | R3/8 | 3148 10 17 |
| 10 | R1/2 | 3148 10 21 |
| 12 | R3/8 | 3148 12 17 |
| 12 | R1/2 | 3148 12 21 |

## 3158 "Y" piece with male BSPP and M5 thread

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3158 04 19 |
| 4 | G1/8 | 3158 04 10 |
| 4 | G1/4 | 3158 04 13 |
| 6 | M5x0,8 | 3158 06 19 |
| 6 | G1/8 | 3158 06 10 |
| 6 | G1/4 | 3158 06 13 |
| 8 | G1/8 | 3158 08 10 |
| 8 | G1/4 | 3158 08 13 |
| 8 | G3/8 | 3158 08 17 |
| 10 | G1/4 | 3158 10 13 |
| 10 | G3/8 | 3158 10 17 |
| 10 | G1/2 | 3158 10 21 |
| 12 | G3/8 | 3158 12 17 |
| 12 | G1/2 | 3158 12 21 |

## 3112 double "Y" piece with male BSPT thread

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3112 04 10 |
| 4 | R1/4 | 3112 04 13 |
| 6 | R1/8 | 3112 06 10 |
| 6 | R1/4 | 3112 06 13 |

## 3189 oscillating compact elbow, BSPP and M5 stud

| ØD | C | |
|---|---|---|
| 4 | M5x0,8 | 3189 04 19 |
| 4 | G1/8 | 3189 04 10 |
| 6 | M5x0,8 | 3189 06 19 |
| 6 | G1/8 | 3189 06 10 |
| 6 | G1/4 | 3189 06 13 |
| 8 | G1/8 | 3189 08 10 |
| 8 | G1/4 | 3189 08 13 |
| 8 | G3/8 | 3189 08 17 |
| 10 | G1/4 | 3189 10 13 |
| 10 | G3/8 | 3189 10 17 |
| 12 | G1/4 | 3189 12 13 |
| 12 | G3/8 | 3189 12 17 |

## 3159 oscillating compact elbow, BSPT stud

| ØD | C | |
|---|---|---|
| 4 | R1/8 | 3159 04 10 |
| 6 | R1/8 | 3159 06 10 |
| 6 | R1/4 | 3159 06 13 |
| 8 | R1/8 | 3159 08 10 |
| 8 | R1/4 | 3159 08 13 |
| 8 | R3/8 | 3159 08 17 |
| 10 | R1/4 | 3159 10 13 |
| 10 | R3/8 | 3159 10 17 |
| 12 | R1/4 | 3159 12 13 |
| 12 | R3/8 | 3159 12 17 |

## 3132 double "Y" with male BSPP thread

| ØD | C | |
|---|---|---|
| 4 | G1/8 | 3132 04 10 |
| 4 | G1/4 | 3132 04 13 |
| 6 | G1/8 | 3132 06 10 |
| 6 | G1/4 | 3132 06 13 |

# carstick®

## 3100 carstick®

| ØD cartridge | |
|---|---|
| 4 | 3100 04 00 |
| 6 | 3100 06 00 |
| 8 | 3100 08 00 |
| 10 | 3100 10 00 |
| 12 | 3100 12 00 |

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# banjo bodies for modular construction

## 3538 single banjo bodies

| ØD | C | |
|---|---|---|
| 3 | M5x0,8 | 3538 03 19 |
| 4 | M5x0,8 | 3538 04 19 |
| 4 | G1/8 | 3538 04 10 |
| 6 | M5x0,8 | 3538 06 19 |
| 6 | G1/8 | 3538 06 10 |
| 6 | G1/4 | 3538 06 13 |
| 8 | G1/8 | 3538 08 10 |
| 8 | G1/4 | 3538 08 13 |
| 8 | G3/8 | 3538 08 17 |
| 10 | G1/4 | 3538 10 13 |
| 10 | G3/8 | 3538 10 17 |
| 10 | G1/2 | 3538 10 21 |
| 12 | G3/8 | 3538 12 17 |
| 12 | G1/2 | 3538 12 21 |

## 3527 single banjo bolts, BSPP and M5 thread

| C | |
|---|---|
| M5x0,8 | 3527 00 19 |
| G1/8 | 3527 00 10 |
| G1/4 | 3527 00 13 |
| G3/8 | 3527 00 17 |
| G1/2 | 3527 00 21 |

## 3539 double banjo bodies

| ØD | C | |
|---|---|---|
| 4 | M5X0,8 | 3539 04 19 |
| 4 | G1/8 | 3539 04 10 |
| 6 | G1/8 | 3539 06 10 |
| 6 | G1/4 | 3539 06 13 |
| 8 | G1/4 | 3539 08 13 |
| 8 | G3/8 | 3539 08 17 |
| 10 | G3/8 | 3539 10 17 |

## 3528 stacking banjo for 2 body high modules BSPP and M5 thread

| C | |
|---|---|
| M5x0,8 | 3528 00 19 |
| G1/8 | 3528 00 10 |
| G1/4 | 3528 00 13 |
| G3/8 | 3528 00 17 |

## 3524 female threaded banjo bolts, BSPP and M5 thread

| C1 | C2 | |
|---|---|---|
| M5x0,8 | M5x0,8 | 3524 00 19 |
| G1/8 | G1/8 | 3524 00 10 |
| G1/4 | G1/4 | 3524 00 13 |
| G3/8 | G3/8 | 3524 00 17 |
| G1/2 | G1/2 | 3524 00 21 |

## 3549 twin banjo bodies

| Ø D | C | |
|---|---|---|
| 4 | M5x0,8 | 3549 04 19 |
| 4 | G1/8 | 3549 04 10 |
| 4 | G1/4 | 3549 04 13 |
| 6 | G1/8 | 3549 06 10 |
| 6 | G1/4 | 3549 06 13 |
| 6 | G3/8 | 3549 06 17 |
| 8 | G1/4 | 3549 08 13 |
| 8 | G3/8 | 3549 08 17 |
| 10 | G3/8 | 3549 10 17 |

## 3529 stacking banjo for 3 body high modules BSPP thread

| C | |
|---|---|
| G1/8 | 3529 00 10 |
| G1/4 | 3529 00 13 |
| G3/8 | 3529 00 17 |

# multiple fittings and manifolds

## 3306 unequal multiple elbow, with fixing holes

| ØD1 | ØD2 | |
|---|---|---|
| 6 | 4 | 3306 06 04 |
| 8 | 4 | 3306 08 04 |
| 8 | 6 | 3306 08 06 |
| 10 | 6 | 3306 10 06 |
| 10 | 8 | 3306 10 08 |

## 3310 manifold with LF 3000 push-in connection

| ØD | C | |
|---|---|---|
| 4 | G1/4 | 3310 04 13 |
| 6 | G1/4 | 3310 06 13 |
| 8 | G3/8 | 3310 08 17 |
| 10 | G1/2 | 3310 10 21 |
| 12 | G1/2 | 3310 12 21 |

## 3304 unequal multiple tee, with fixing holes

| ØD1 | ØD2 | |
|---|---|---|
| 6 | 4 | 3304 06 04 |
| 8 | 4 | 3304 08 04 |
| 8 | 6 | 3304 08 06 |
| 10 | 6 | 3304 10 06 |
| 10 | 8 | 3304 10 08 |

## 3107 equal cross

| ØD | |
|---|---|
| 4 | 3107 04 00 |
| 6 | 3107 06 00 |
| 8 | 3107 08 00 |

## 3107 unequal cross

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 6 | 3107 04 06 |
| 6 | 8 | 3107 06 08 |

## 3107 unequal cross

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 6 | 3107 06 04 |
| 6 | 8 | 3107 08 06 |

# modular plug-in connectors

## 3300 modular plug-in connectors

| ØD | |
|---|---|
| 4 | 3300 04 00 |
| 6 | 3300 06 00 |
| 8 | 3300 08 00 |

## 3381 DIN-rail connector for 3 tubes in line

| ØD | |
|---|---|
| 4 | 3381 04 00 |
| 6 | 3381 06 00 |
| 8 | 3381 08 00 |

## 3379 DIN-rail connector for 2 tubes

| ØD | |
|---|---|
| 4 | 3379 04 00 |
| 6 | 3379 06 00 |
| 8 | 3379 08 00 |

## 3320 multi-connector male screw body

| o.d. tube | number of outlets | |
|---|---|---|
| 4 | 2 | 3320 04 00 02 |
| 4 | 4 | 3320 04 00 04 |
| 4 | 7 | 3320 04 00 07 |
| 4 | 12 | 3320 04 00 12 |
| 6 | 2 | 3320 06 00 02 |
| 6 | 4 | 3320 06 00 04 |
| 6 | 7 | 3320 06 00 07 |
| 8 | 2 | 3320 08 00 02 |

## 3321 multi-connector female screw body

| o.d. tube | number of outlets | |
|---|---|---|
| 4 | 2 | 3321 04 00 02 |
| 4 | 4 | 3321 04 00 04 |
| 4 | 7 | 3321 04 00 07 |
| 4 | 12 | 3321 04 00 12 |
| 6 | 2 | 3321 06 00 02 |
| 6 | 4 | 3321 06 00 04 |
| 6 | 7 | 3321 06 00 07 |
| 8 | 2 | 3321 08 00 02 |

## 3329 multi-connector screw cap

| number of outlets | |
|---|---|
| 2 | 3329 00 01 |
| 4-7 | 3329 00 02 |
| 12 | 3329 00 03 |

# pneumatic push-in fittings system LF 3000®

## accessories

### 0178 reducer male to female, BSPP and M5

| C1 | C2 | |
|---|---|---|
| M7x1 | M5x0,8 | 0178 55 19 |
| G1/8 | M5x0,8 | 0178 10 19 |
| G1/4 | G1/8 | 0178 13 10 |
| G3/8 | G1/8 | 0178 17 10 |
| G3/8 | G1/4 | 0178 17 13 |
| G1/2 | G1/4 | 0178 21 13 |
| G1/2 | G3/8 | 0178 21 17 |
| G3/4 | G1/2 | 0178 27 21 |

### 0179 increaser male to female, BSPP and M12

| C1 | C2 | |
|---|---|---|
| M12x1,5 | G1/4 | 0179 67 13 |
| G1/8 | G1/4 | 0179 10 13 |
| G1/4 | G3/8 | 0179 13 17 |
| G3/8 | G1/2 | 0179 17 21 |

### 0222 threaded plug, BSPP and M5

| C | |
|---|---|
| M5x0,8 | 0222 19 00 |
| M7x1 | 0222 55 00 |
| G1/8 | 0222 10 00 |
| G1/4 | 0222 13 00 |
| G3/8 | 0222 17 00 |
| G1/2 | 0222 21 00 |

### 3000 disconnection tool

| ØD | |
|---|---|
| 4 | 3000 70 04 |
| 6 | 3000 70 06 |
| 8 | 3000 70 08 |
| 10 | 3000 70 10 |
| 12 | 3000 70 12 |
| 14 | 3000 70 14 |

### Clip clip strips for tubes

| ØD | |
|---|---|
| 4 | Clip 04 00 |
| 6 | Clip 06 00 |
| 8 | Clip 08 00 |
| 10 | Clip 10 00 |
| 12 | Clip 12 00 |
| 14 | Clip 14 00 |

### 3110 coloured release button covers

| Ø D | | | | | |
|---|---|---|---|---|---|
| 4 | 3110 04 00 | 3110 04 02 | 3110 04 03 | 3110 04 04 | 3110 04 05 |
| 6 | 3110 06 00 | 3110 06 02 | 3110 06 03 | 3110 06 04 | 3110 06 05 |
| 8 | 3110 08 00 | 3110 08 02 | 3110 08 03 | 3110 08 04 | 3110 08 05 |
| 10 | 3110 10 00 | 3110 10 02 | 3110 10 03 | 3110 10 04 | 3110 10 05 |
| 12 | 3110 12 00 | 3110 12 02 | 3110 12 03 | 3110 12 04 | 3110 12 05 |
| 14 | 3110 14 00 | 3110 14 02 | 3110 14 03 | 3110 14 04 | 3110 14 05 |

## 3 mm push-in fittings

### 3281 male stud fitting, M3 and M5 thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3281 03 09 |
| 3 | M5x0,8 | 3281 03 19 |

### 3206 tube/tube connector

| ØD | |
|---|---|
| 3 | 3206 03 00 |

### 3202 equal elbow

| ØD | |
|---|---|
| 3 | 3202 03 00 |

### 3299 compact male stud elbow, M3 and M5 thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3299 03 09 |
| 3 | M5x0,8 | 3299 03 19 |

### 3298 male stud branch tee, M3 and M5 thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3298 03 09 |
| 3 | M5x0,8 | 3298 03 19 |

### 3204 equal tee

| ØD | |
|---|---|
| 3 | 3204 03 00 |

### 3229 extended male stud elbow, M3 and M5 thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3229 03 09 |
| 3 | M5x0,8 | 3229 03 19 |

### 3293 male stud run tee, M3 and M5 thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3293 03 09 |
| 3 | M5x0,8 | 3293 03 19 |

### 3266 4 mm to 3 mm reducer

| ØD1 | ØD2 | |
|---|---|---|
| 3 | 4 | 3266 03 04 |

### 3218 single banjo, M3 and M5 thread

| ØD | C | |
|---|---|---|
| 3 | M3x0,5 | 3218 03 09 |
| 3 | M5x0,8 | 3218 03 19 |

### 3226 blanking plug

| ØD | |
|---|---|
| 3 | 3226 03 00 |

# plug-in fittings

## 3188 plug-in equal and unequal compact tee with plastic tailpiece

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 4 | 3188 04 00 |
| 6 | 6 | 3188 06 00 |
| 8 | 8 | 3188 08 00 |
| 10 | 10 | 3188 10 00 |
| 12 | 12 | 3188 12 00 |
| 4 | 6 | 3188 04 06 |
| 6 | 8 | 3188 06 08 |
| 8 | 10 | 3188 08 10 |
| 10 | 12 | 3188 10 12 |

## 3183 plug-in equal and unequal run tee with plastic tailpiece

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 4 | 3183 04 00 |
| 6 | 6 | 3183 06 00 |
| 8 | 8 | 3183 08 00 |
| 10 | 10 | 3183 10 00 |
| 12 | 12 | 3183 12 00 |
| 4 | 6 | 3183 04 06 |
| 6 | 8 | 3183 06 08 |
| 8 | 10 | 3183 08 10 |
| 10 | 12 | 3183 10 12 |

## 3180 45° equal elbow with plastic tailpiece

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 4 | 3180 04 00 |
| 6 | 6 | 3180 06 00 |
| 8 | 8 | 3180 08 00 |
| 10 | 10 | 3180 10 00 |
| 12 | 12 | 3180 12 00 |

## 3184 extended equal and unequal elbow with plastic tailpiece

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 4 | 3184 04 00 |
| 6 | 6 | 3184 06 00 |
| 8 | 8 | 3184 08 00 |
| 10 | 10 | 3184 10 00 |
| 12 | 12 | 3184 12 00 |
| 4 | 6 | 3184 04 06 |
| 6 | 8 | 3184 06 08 |
| 8 | 10 | 3184 08 10 |
| 10 | 12 | 3184 10 12 |

## 3182 plug-in equal and unequal compact elbow with plastic tailpiece

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 4 | 3182 04 00 |
| 6 | 6 | 3182 06 00 |
| 8 | 8 | 3182 08 00 |
| 10 | 10 | 3182 10 00 |
| 12 | 12 | 3182 12 00 |
| 4 | 6 | 3182 04 06 |
| 6 | 4 | 3182 06 04 |
| 6 | 8 | 3182 06 08 |
| 8 | 10 | 3182 08 10 |
| 10 | 12 | 3182 10 12 |

# plug-in fittings and accessories

## 3142 plug-in equal and unequal single "Y" piece

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 4 | 3142 04 00 |
| 6 | 6 | 3142 06 00 |
| 8 | 8 | 3142 08 00 |
| 10 | 10 | 3142 10 00 |
| 12 | 12 | 3142 12 00 |
| 4 | 6 | 3142 04 06 |
| 6 | 8 | 3142 06 08 |
| 8 | 10 | 3142 08 10 |
| 10 | 12 | 3142 10 12 |

## 3143 plug-in multiple "Y" piece

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 6 | 3143 04 06 |
| 4 | 8 | 3143 04 08 |
| 6 | 8 | 3143 06 08 |

## 3168 increaser

| ØD1 | ØD2 | |
|---|---|---|
| 6 | 4 | 3168 06 04 |
| 8 | 6 | 3168 08 06 |
| 10 | 8 | 3168 10 08 |
| 12 | 10 | 3168 12 10 |

## 3166 reducer

| ØD1 | ØD2 | |
|---|---|---|
| 3 | 4 | 3166 03 04 |
| 4 | 6 | 3166 04 06 |
| 4 | 8 | 3166 04 08 |
| 4 | 10 | 3166 04 10 |
| 6 | 8 | 3166 06 08 |
| 6 | 10 | 3166 06 10 |
| 6 | 12 | 3166 06 12 |
| 6 | 14 | 3166 06 14 |
| 8 | 10 | 3166 08 10 |
| 8 | 12 | 3166 08 12 |
| 8 | 14 | 3166 08 14 |
| 10 | 12 | 3166 10 12 |
| 10 | 14 | 3166 10 14 |
| 12 | 14 | 3166 12 14 |

## 3120 double male stem connector - plastic

| ØD | |
|---|---|
| 4 | 3120 04 00 |
| 6 | 3120 06 00 |
| 8 | 3120 08 00 |
| 10 | 3120 10 00 |
| 12 | 3120 12 00 |
| 14 | 3120 14 00 |

## 3126 blanking plug

| ØD | |
|---|---|
| 3 | 3126 03 00 |
| 4 | 3126 04 00 |
| 6 | 3126 06 00 |
| 8 | 3126 08 00 |
| 10 | 3126 10 00 |
| 12 | 3126 12 00 |
| 14 | 3126 14 00 |

## 3122 barbed connector for unequal tube

| ØD1 | ØD2 | |
|---|---|---|
| 4 | 5 | 3122 04 05 |
| 4 | 3,2 | 3122 04 53 |
| 6 | 5 | 3122 06 05 |
| 8 | 6,3 | 3122 08 56 |
| 8 | 8 | 3122 08 08 |
| 10 | 6,3 | 3122 10 56 |
| 10 | 8 | 3122 10 08 |
| 12 | 8 | 3122 12 08 |
| 12 | 10 | 3122 12 10 |
| 12 | 12,5 | 3122 12 62 |
| 14 | 12,5 | 3122 14 62 |
| 14 | 14 | 3122 14 14 |

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Срок поставки со стоков в **Европе и Америке – от 3 до 14 дней.**

Срок поставки из **Азии – от 10 дней.**

Благодаря развитой сети поставщиков, помогаем в поиске и приобретении экзотичных или снятых с производства компонентов.

Предоставляем спец цены на элементы для создания инженерных сэмплов.

**Упорный труд, качественный результат дают нам право быть уверенными в себе и надежными для наших клиентов.**

## Наша компания это:

- Гарантия качества поставляемой продукции
- Широкий ассортимент
- Минимальные сроки поставок
- Техническая поддержка
- Подбор комплектации
- Индивидуальный подход
- Гибкое ценообразование

Наша организация особенно сильна в поставках модулей, микросхем, пассивных компонентов, ксайленсах (XC), EPF, EPM и силовой электроники.

Большой выбор предлагаемой продукции, различные виды оплаты и доставки, позволят Вам сэкономить время и получить максимум выгоды от сотрудничества с нами!

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**Перечень производителей, продукцию которых мы поставляем на российский рынок**

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С удовольствием будем прорабатывать для Вас поставки всех необходимых компонентов по текущим запросам для скорейшего выявления групп элементов, по которым сотрудничество именно с нашей компанией будет для Вас максимально выгодным!

С уважением,

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