# Data Sheet Push-In Fittings



Allows instant connection without the use of tools



# **Brass Push-In Fittings**

### **Features**

- Saves up to 75% of assembly time compared to the standard compression fittings
- Quick connect: simply push tubing in, no tools required
- · Quick disconnect: hold two fingers on insert and pull tubing out, no tools required
- · Reusable: connect and disconnect numerous times
- Full flow design provides up to 60% more flow than conventional fittings with internal tube supports
- · Positive seal: no leaks, after tubing is inserted, seal is made
- Secure tube retention: pulling on tubing only serves to tighten the connection
- Pre-applied PTFE based pipe sealant on all male pipe threads saves customer additional labor
- Working pressure: fittings are suitable for use up to the maximum working pressure
  of the plastic tubing used also suitable for vacuum service

# **Specifications**

• Temperature range: -40°F to 212°F



# **Legris Stainless Steel Push-In Fittings**

### **Features**

- · Maximum operating pressure: 290 PSI
- Vacuum capability: 28" HG
- · Maximum circuit pressure depends equally on the type and diameter of the tube used
- Materials conforming to FDA and 1934/2004 EC standards

### **Specifications**

Temperature range: -4°F to 245°F (-20°C to 118°C)



# **Legris Nickel-Plated Brass Push-In Fittings**

### **Features**

- FDA compliant
- · Pressure range: up to 435 PSI
- Vacuum capability: 28" HG maximum circuit pressure depends on media, temperature and diameter of tube used)
- Full flow
- · Excellent resistance to abrasion and corrosion
- Silicone free
- · Available in fractional and metric sizes

# **Specifications**

Temperature range: -13°F to 302°F (-25°C to 150°C)



# Legris Nylon/Nickel-Plated Brass Push-In Fittings

### **Features**

- Materials: nickel-plated brass threads; glass-reinforced nylon 6.6; Nitrile D seal; polypropylene release button; silicone free
- Positive seal: sealing and holding is accomplished instantaneously
- · Reusable: connect and disconnect numerous times
- · Full flow: fitting seals on outside diameter of tubing
- Compatible tubing: semi-rigid nylon, polyurethane, and polyethylene tube
- · Working pressure: 290 PSI at ambient temperature.
- · Maximum circuit pressure depends equally on the type and diameter of the tube used.
- Vacuum capability: vacuum of 28" Hg (99% vacuum)

# **Specifications**

Temperature range: -4°F to 175°F (-23°C to 79°C)

# **Push-In Fittings**

# **Push-In Valves**

# The Right Connection®

### **Features**

- · Configurations: mini ball, quick exhaust, in-line, flow control, check
- Sizes: 5/32", 1/8", 1/4", 5/16", 3/8", 1/2"



# **Metric Push-In Fittings**



## **Features**

- · Configurations: elbows, connectors, bulkhead, tees
- Tube size: 4 mm to 10 mm O.D.
- Thread size: 1/8", 1/4", 3/8" BSPT
- · Working temperature: -4°F to 175°F
- · Working pressure: fittings rated to 290 PSI at ambient temperature
- Pre-applied thread sealant on all tapered male pipe threads
- Vacuum capability: vacuum of 28" Hg (99% vacuum)

# **DOT Push-In Fittings**

# **Features**

- · Configurations: elbows, connectors, bulkhead, tees, unions, Y's
- Tube size: 5/32", 3/16", 1/4", 3/8", 1/2" O.D.
- Thread size: 1/8", 1/4", 3/8", 1/2" NPT
- Working temperature: -40°F to 220°F
- · Working pressure: vacuum to 250 PSI at ambient temperature. Maximum circuit pressure depends equally on the type and diameter of the tube used.
- Specifications: meets DOT FMVSS 571.106 and SAE J1131, and SAE J2494-3





# **Tubing**



### **Features**

Tubing styles: polyurethane, polyethylene, nylon, metric nylon, DOT airbrake, fluoropolymer FEP140

# **Cutters**



 PVC tubing and hose cutters cutting from 3/4" to 1-7/8" O.D.

Dixon's couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling and retention device, and the proper application of the coupling to the hose are of utmost importance.

Users must consider the size, temperature, application, media, pressure and hose and coupling manufacturer's recommendations when selecting the proper hose assembly components. Dixon recommends that all hose assemblies be tested in accordance with the Association for Rubber Products Manufacturer's (ÁRPM) recommendations and be inspected regularly (before each use) to ensure that they are not damaged or have become loose. Visit ARPMINC.com for more information.

Where safety devices are integral to the coupling, they must be working and utilized. The use of supplementary safety devices such as safety clips or safety cables are recommended.

If any problem is detected, couplings must be removed from service immediately.

Dixon is available to consult, train and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's Testing and Recommendation Services. Call 877.963.4966 or click dixonvalve.com to learn more.

## Dixon

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