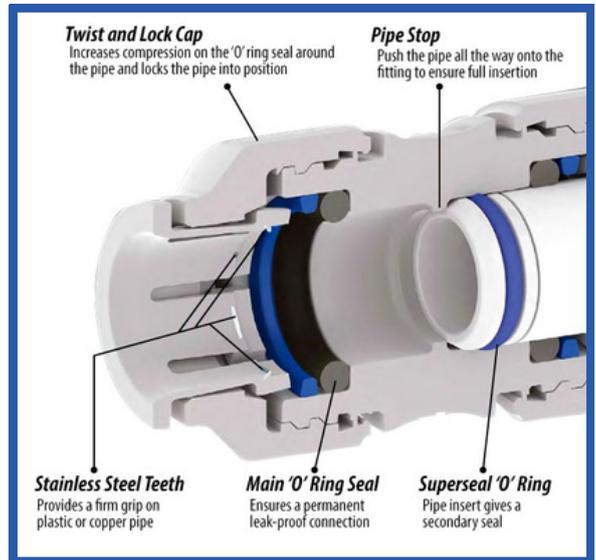


Speedfit Core Technology

The **JG Speedfit plumbing system** is a line of push-fit fittings, pipes, and valves designed for domestic and light commercial hot and cold-water supply, as well as central heating systems. Its primary feature is the ability to create secure, leak-proof connections in seconds without the need for tools, heat, soldering, flux, or glue, significantly reducing installation time compared to traditional methods. The core of the system is its **patented push-fit technology**.



How It Works

Instant Connection

The installer simply pushes the pipe into the fitting until it reaches a pipe stop and locks in place.

Demountable Design

The connection can be easily released, without tools, by pushing the collet back against the fitting's body, allowing for modifications, maintenance, or reuse of components.

Secure Grip

Internal stainless-steel teeth (collet) grip the pipe firmly to provide a strong mechanical hold.

Watertight Seal

An EPDM O-ring within the fitting creates a permanent, leak-proof seal.

Twist & Lock

Certain fittings feature a plastic nut that can be twisted clockwise to further secure the connection and add compression, providing extra peace of mind.

Applications in Other Industries

The design innovation behind John Guest's patented push-fit technology goes beyond plumbing & heating to include diverse industrial applications such as; fibre optic cabling connectors that seal microducts for high-speed data lines, drinks dispense systems for carbonated beverages with food-grade, high-pressure fittings, and high-performance automotive fuel lines.



Speedfit Technology: Key Features & Benefits

Speedfit Technology



No tools required



Reduced labour

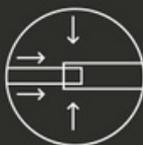


Install, demount
and refit in
seconds

Fast & Easy Installation

Get fast and leak-tight connections first time, every time. Using a unique blend of push-fit and multi-seal technology, Speedfit can be installed and demounted in seconds without the need for tools or hot works.

Speedfit Technology



Simple push-fit
connection which
instantly grips and
seals plastic or
copper pipes



Easy to
manoeuvre in
tight and
awkward spaces



Combine high
quality valves and
easy to control
handwheel
and levers

Versatility & Durability

The fittings work with JG Speedfit pipes, other PEX, CPVC and standard copper pipes. All plastic components are made from non-toxic, corrosion-resistant polymers that also resist scale buildup, ensuring system longevity.

Speedfit Technology



Safe, flame-free
installation



No hot works, flux
or mess



Lead-free and
non-toxic

Safety & Permits

No hot works are required for connections thereby eliminating safety risks and need for permits associated with open flames on job sites. The system includes a wide array of fittings (couplers, elbows, tees, manifolds), valves, and flexible hoses for all parts of a plumbing system.

Speedfit Technology: Other Industrial Applications



Automotive Fuel Lines

High-performance, easy to fit push-fit connectors and cartridges for fuel lines, braking systems, power steering and more.



Drinks Dispense & Water Treatment

Fast and simple 'food-grade' push-fit fittings and tubing for beer, carbonated beverages, hot drinks vending machines, and water filtration & treatment.



Compressed Air & Pneumatics

Robust push-fit fittings and pipe for compressed air and pneumatics, offering optimal air flow and rapid assembly.



Hi-Speed Data Cabling

Quick and easy to install push-fit micro-duct connectors for blown fibre that are engineered to last in the toughest environments.



Air Conditioning/ Cooling

Fast, simple and secure connections for cooling systems.



Marine Boats

Fast, reliable plumbing connections for an easier life on board.