



Product Guide

Quickfit®
interchangeable
laboratory glassware





The concept of interchangeable joints was pioneered by Quickfit® in 1934. Today the Quickfit® name is renowned throughout the world for the highest standards of quality and reliability.

The Quickfit® range comprises over 1000 products, most of which feature the famous Quickfit® conical ground-glass joints comprising a tapered cone and socket.

Quickfit® precision manufacturing ensures a non-seizing joint with an unsurpassed ground finish providing excellent vacuum performance and assured interchangeability.

For more than 80 years, Quickfit® has been the choice of scientists who demand maximum performance and value for money.

Strength and Resilience

Quickfit® glassware is manufactured exclusively from Pyrex® borosilicate glass.

This type of glass has a very low coefficient of expansion ($3.3 \times 10^{-6} \text{K}^{-1}$) making it ideal for use over a very wide temperature range.

Pyrex® borosilicate glass is also highly resistant to chemical attack and can be used with most acids, alkalis and organic solvents.



Precision Manufacture

Quickfit® jointed glassware is manufactured by SciLabware Limited at our manufacturing facilities located in Stoke-on-Trent in the UK.

Our company is proud to employ some of the most highly skilled scientific glassblowers in the laboratory industry. These skills have been developed over many years of extensive training and experience. Their hand crafted work is complemented by some of the most modern glass-working equipment available, including high technology gauging equipment to ensure consistent precision.

Quickfit® interchangeable conical joints are made to an accuracy that surpasses the requirements of ISO 383 & DIN 12242. A two stage grinding process ensures that the joints have a precision 1:10 taper and super-fine surface finish, resulting in joints that have an exceptionally good seal with a greatly reduced risk of joint seizure. The excellent surface finish also ensures that the joint will not leak and will be gas and vacuum tight.

Unlike the joints available from other manufacturers, Quickfit® sockets feature a rounded rim profile. This round design gives extra strength to the joint and is less prone to chipping than a square rim profile.

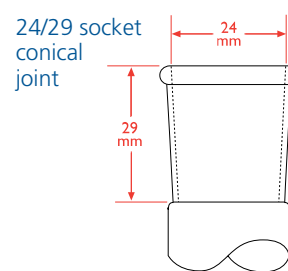
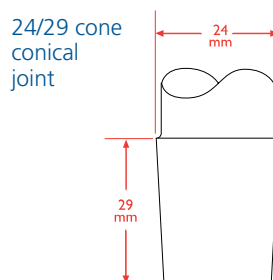
Quickfit® Joints

SciLabware supplies a wide range of different products with a variety of joint types and sizes, including:

Conical Joints – This is the most common type of Quickfit® joint and comprises a ground cone and socket. Sizes are described with two numbers e.g. 24/29.

- 24 – Diameter of the wide end of the ground joint (in millimetres)
- 29 – Length of the ground joint (in millimetres)

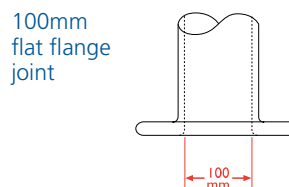
We are able to supply products with joint sizes from 5/13 to 60/64. Most Quickfit® conical joints are manufactured to comply with European 'B' length joint dimensions, as defined in ISO 383.



Flat Flange Joints

This type of joint is utilised on large capacity reactors and large diameter flasks, and also the construction of conduits for gases, vapours and low vacuum extraction. Quickfit® flat flange joints are available with bore sizes of 25 – 100mm.

Other types of joints including spherical and screw thread joints are also available in the Quickfit® range.



The Quickfit® Range

Whatever the scientific requirement, from the construction of a simple reflux assembly to a complex fractionation apparatus, there is a choice of Quickfit® products available to meet that need. Quickfit® offers one of the most comprehensive ranges of jointed glassware available, including:



Single and multi-neck flasks

available in capacities from 5ml to 20,000ml including the following flask types:

- Round Bottom
- Flat Bottom
- Conical
- Pear Shape
- Florentine



Adapters of all types from simple receiver adapters to more complex splash head adapters, and a lot more in between.



Condensers – Liebig, Coil, Allihn, Cold Finger and more, all supplied with removable plastic screw thread tubing connectors to facilitate the safe fitting of hoses.




Quickfit® funnel range

comprising various products including:

- Separating and Dropping Funnels
- Buchner funnels
- Vacuum funnels and many more

SciLabware is also able to supply a range of joints and other glass components that can be used by glassblowers to create bespoke apparatus or for repairing existing glass items.



SciLabware is one of the world's leading manufacturers of laboratory consumable products, including laboratory glassware and both reusable and single use plastic ware.

In the course of our long history, SciLabware has established an unrivalled reputation for product quality, safety and performance.

Our extensive range comprises more than 6000 general purpose and specialised products featuring some of the best known names in science including Pyrex®, MBL®, Azlon®, Wheaton® and of course Quickfit®.

Quickfit®, MBL® & Azlon® are registered trademarks of SciLabware Limited.



SciLabware

**CONTACT SCILABWARE TO DISCUSS
FULL RANGE OF PRODUCTS**

Visit our website for more information
www.scilabware.com

Email us with your questions
glass@scilabware.com

SciLabware Limited Unit 4, Riverside 2,
Campbell Road, Stoke on Trent, ST4 4RJ, UK.
Tel: +44 (0)1782 444406 **Fax:** +44 (0)1782 940436