



IEX INTERNAL EXPANSION SYSTEM

Whilst there is nothing particularly new about this technology, traditionally it has been the preserve of certain industries such as Bulk Delivery hoses for Oil & Gas platforms or hygienic applications in Breweries or Food factories.

Of course Integraflex can offer assemblies for these sectors but we like this method of attachment so much, our aim is to offer internally expanded or swaged assemblies in any applications where absolute safety, integrity and full unrestricted flow is important.



What is the IEX System?

In simple terms we use a hardened steel 'dolly' that when retracted through the hose tailpiece, expands the specially tempered steel and forces it into the rubber lining of the hose. The result is a truly smooth bore that gives optimum flow, with no restriction to the internal bore of the hose. And one of the safest ways of securing a coupling into a rubber hose.



What are the Advantages over Crimping or External Swaging?

Perfectly **smooth bore** means better flow characteristics & less pressure drop when pumping.

A wide range of end terminations can be utilised. Because ferrules are not deformed they can be colour coded for ownership/corporate identity, product conveyance, year of manufacture etc.

As the hose tail is flush in the bore of the hose, **no internal obstructions** that can allow product to build up, so great for abrasive applications like lime slurry.

Currently Integraflex have dollies that can swage > 12" (305mm) hose in-house at Thornaby.



316L Stainless Steel fittings can be internally swaged, leaving no potential 'bug-traps' in the bore of the hose. **Perfect for hygienic applications.**

All fittings are UK manufactured with full traceability.

Precision machined fittings and ferrules ensure a perfect combination for the hose. This method is widely accepted as one of the **safest and most durable** methods of retaining hose couplings available.

Safety – because of the way the coupling is retained and the locking collar onto the ferrule, these fittings will not come out – the hose will blow apart first

We know, we've done destruction tests to prove it!

Why use Integraflex?

■ Experience

Rarely are two jobs or applications the same. We will spend time and work with you to ensure that the finished product is safe, right for the application and delivered on time.

■ Long-term partner

We are in it for the long run. We will look at holding component parts ready to be manufactured if required and will constantly make you aware of improvements in performance, cost and efficiency.

We regularly visit sites and applications to assess all operating conditions and ensure the right product is installed.

■ Competitive

Integraflex is part of a larger group of companies, that simply means we buy hose at the right price. All fittings are machined in-house to reduce margin.

■ Quality

Integraflex is ISO-9001 accredited for the manufacture & testing of hose assemblies > 12" bore. Hose is generally from the same factory we have used for over 20years, fittings are UK manufactured, using British steel where we can.

■ Testing

All IEX assemblies are hydrostatically tested prior to dispatch for your peace of mind. Electrical continuity testing is also conducted where applicable.

■ Traceability

All IEX assemblies are fitted with a unique identification band that details; date of testing, test pressure and has a unique number that can be traced to an individual test certificate.

■ On-Line Hose Assembly Register

As a valued customer we can offer a Cloud-based Hose asset register that details assemblies on-site. We can help populate the register and give you passwords to access your database.

If you need a test certificate, simply click on the Icon and print a cert in a second. **Excellent for audit compliance.**

Please feel free to contact Paul or Jon regarding any applications on

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