

## Ductwork Components

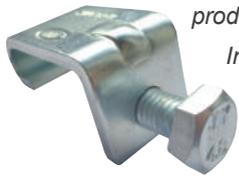
# Universal G Clamp & Duct Gasket Accessories

### Technical Information



- Provides for rapid assembly of cross joints.
- Manufactured in the UK and available from stock.
- Manufactured by the Company supplying the Duct jointing system ensuring compatibility.
- Unique design makes it easier to spot non proprietary product which could potentially impact on overall system performance.
- Design allows the Clamp to be truly universal and fit both pocketed and non pocketed flange systems.
- Base material - Hot rolled steel to BS EN 10111:1998, Electro Zinc Post plated for corrosion resistance to BS EN 12239 - Fe/Xn5/A.
- Quality assured production with Quality Assurance certification BS EN ISO 9001 & Environmental Certification BS EN ISO 14001.
- Clamps are available in 304 and 316 Stainless Steel for specialist applications.
- Gaskets are cross linked medium density PVC closed cell foam with high grab sensitive adhesive, tested with the joints ensures system performance when installed in accordance with manufacturers instructions.

### G Clamp - Design Inspiration



Over many years certain components have been copied and produced around the world in particular China and India by non Ductwork related companies with no thought to the actual product functionality. G clamps are one such product.

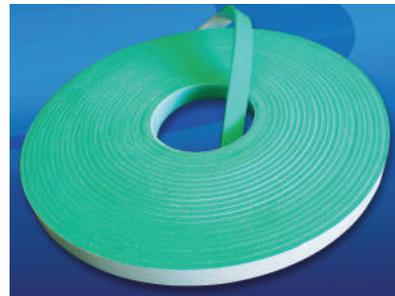
Doby Verrolecs new Universal clamp is designed to provide when fitted a more even horizontal pressure on the faces of the flange. The design allows the clamp to sit parallel to the internal surface of the duct thereby avoiding the traditional problem of using G clamps of the clamp tilting and pulling the upper edges of the flanges in away from vertical whilst opening up the inner face and creating additional air leakage.

### G Clamp - Design Specification



The New nose design ensures joint is pulled together horizontally and parallel to duct internal surface - maximising the air seal and minimising the tendency for the profiles to tilt and open up internally within the duct when the clamps are tightened. This in turn lowers the system energy running costs - due to better joint seal rather than using snap or drive clips.

### Doby Ductseal Gasket



The Gasket is primarily a foam compression sealant. The foam is a cross linked cell polyethylene with a high grab sensitive adhesive on one side, the gasket has a paper

release liner for ease of operation.

The correct compression of the gasket is essential to ensure the optimum performance of the system. Over or under compressing the gasket is a major reason for poor system performance. With the new Universal clamp it allows the joint to be closed up to the appropriate compression for minimum leakage. As stated in DW144 2013 it is essential to use only the appropriate and tested gasket if the necessary air tightness and system performance is to be achieved. The Universal clamp works equally as well on both Pocketed of Non-Pocketed flange systems and will effectively close the duct joint on both the horizontal and vertical sides of the duct.



Doby Verrolec



Harelaw Industrial Estate, Stanley, Co. Durham DH9 8UJ  
Tel: +44 (0)1207 238844, Fax: +44 (0)1207 283563,  
E-mail: [enq@dobyverrolec.com](mailto:enq@dobyverrolec.com) or visit [www.dobyverrolec.com](http://www.dobyverrolec.com), [www.dobygrip.com](http://www.dobygrip.com) & [www.dobysolutions.com](http://www.dobysolutions.com)