

Rapid Positioning Clips Ltd

Pipework fixing clips



RAPID POSITIONING CLIP

The company makes a range of clips for the fast, secure fixing of pipework, its insulation if required, conduit and cabling. The RPC is the installers' choice in the refrigeration and air conditioning sector securing imperial copper to standard channel. The Studding Clip is used on both M8 and M10 threaded rod and has collar sizes to incorporate copper and plastic pipe (with or without insulation) from 12 mm to 54 mm in both metric and imperial sizes. The same collar is used on the InsulClip which fits standard channel; both clips have the Climate Change Levy ECA approval.

Introduction The RPC channel clip was the first product introduced in 1997 by its inventor, an installer of air conditioning equipment. Vigorous testing by Unistrut preceded the successful launch, which was followed two years later by the Studding Clip. The InsulClip completed the range in early 2001. The products have patent protection worldwide and are sold throughout the UK and Ireland with growing interest in North America, Australia, the Middle East and Far East.

The great saving with all the products is the installer's time. Time balancing up steps, fiddling with nuts onto threads you cannot see, time struggling into inaccessible ducts and ceiling space. The twist fit is accomplished in seconds as against the laboured minutes of traditional metal clamps.

Applications The RPC is intended for use in the installation of refrigeration and air conditioning pipework in industrial, commercial and public buildings where horizontal or vertical channels have been installed. However in rail carriages it is used to hold electric supply cabling because of its secure grip and insulation properties. The InsulClip fits the same channel but offers a greater range of collar sizes, with provision to include both 9 mm and 13 mm insulation on copper or plastic pipe with various OD's. The studding clip shares the versatile collar of the InsulClip but is used on M8 and M10 studding above suspended ceilings or in cramped ducting.

DESCRIPTION

Channeling Clips (RPC)

This one-piece, single-handed clip requires no mechanical aids to install. The RPC is designed to fit effortlessly into all standard channels with preformed profile width of 41 mm with an inturred lip of 10 mm or 7 mm depth (worldwide standard). It will not tighten down on the pipe therefore eliminating cracks and fractures. Horizontal weight holding capacity is between 80 kg and 107 kg. Vertical slip tests between 7 kg and 12 kgs - both tests on standard channel and in excess of daily site requirements.

Sizes: 3/8", 1/2", 5/8", 3/4", 7/8", 1 1/8", 1 3/8", 1 5/8".

The Studding Clip

The Studding Clip is extremely quick and simple to use, fitting conventional 8 mm and 10 mm (European Standard) or 3/8" (US Standard) threaded rod. The solid connection can be adjusted up or down by simply rotating the clip which uses the stud thread as if it were a nut. The studding clip is a major advance in efficiency for the installation of air conditioning, refrigeration and plumbing pipework, electrical conduit as well as network and optical cabling. In stress tests vertical slip down the rod started at 70 lb and the horizontal release point was 120 lb.

The InsulClip

The InsulClip has been developed to combine the proven RPC channel foot with the versatile collar that allows installation of ACR and plumbing pipework together with any required insulation material of either 9 mm or 13 mm thickness. Electrical conduit in both 20 mm and 25 mm are included in the range. The great advantage of the InsulClip is that it allows an unbroken vapour barrier seal eliminating the problem of sweating on metal fittings where VRV systems are installed. It will fit all standard channels.

Studding and InsulClip collar guide

	Plumbing Cu	Imperial Cu	
	(no insulation)	(no insulation)	
12 mm	-	1/2" pipe	
15 mm	15 mm	5/8" pipe	
20 mm	-	3/4" pipe	
22 mm	22 mm	7/8" pipe	
25 mm	-	1" pipe	
28 mm	28 mm	1-1/8" pipe	
32 mm	-	1-1/4" pipe	
35 mm (1)	-	1-3/8" pipe	
35 mm (2)	35 mm	-	
40 mm	-	1-1/2" & 1-5/8"	
42 mm	42 mm	-	
50 mm	-	2" pipe	
54 mm	54 mm	2-1/8" pipe	

Samples can be supplied to ensure correct size is specified



Uniclass L781	EPIC P213
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Material properties

All clips are manufactured from a composite polyamide alloy that has the tensile strength of nylon but with superior impact strength especially at low temperatures. The temperature range is -40°C to +140°C. It is more rigid than standard P6 polyamide with less than 4% deformation under stress of up to 40 Mpa (Mega Pascals). The material is highly resistant to mechanical stress creep and withstands all known solvents, hydrolysis, battery acids and salt solutions. It has low moisture sensitivity combined with stable electrical and vibration properties. There is less 'yellowing' at high temperatures than other polyamides, there is good resistance to UV light and very good sealant properties with water, gases and solvents. The melting point is +220°C - UL94 (Underwriters Laboratory) gives it a rating of HB. Under normal installation there will be no flames spread and toxic emissions are insignificant.

The climate change levy

Both the Studding Clip and the InsulClip are on the approved list of products for the Enhanced Capital Allowance Scheme (ECA) where the pipe insulation used meets the revised BS 5422 standards. Relief is available where the Claimant asks for certification that the investment is eligible under the scheme.

SUPPLY

Availability The full range of clips is available from national ACR distributors and fixings outlets across the UK and Ireland.

SERVICES

For samples, displays, sales and technical services, please contact the company as shown.

REFERENCES

Contracts supplied include: Browns Hotel, London, The Esso Headquarters, Leatherhead, Alstom Transport - East Coast Rail rolling stock. The company only distributes via wholesalers and does not supply direct.

NZ DISTRIBUTORS



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