

# Ductware

## Weld Pins



### PowerPoint and Dielectric Coated Weld Pins.

Weld pins permanently attach insulation to galvanized steel in the fabrication of ductwork.

Available for 12mm, 38mm, 50mm, 68mm, 75mm and 100mm insulation.

Weld pins withstand a tensile pull of at least 54.4kg in sheet metal and can be used in conjunction with adhesives on any galvanized sheet metal with lockforming qualities of 0.457mm and heavier.

**Ductware**<sup>®</sup>  
Productivity solutions with green results

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## BASIC USE

PowerPoint weld pins are used to fasten insulation to the inside of sheet metal air ducts. These fasteners are usually applied when the ductwork is being fabricated. The fasteners have been specifically designed to work with all currently available duct liners and standard resistance welding type application equipment.

**Dielectric** coated weld pins insulate the underside of the washer to facilitate welding on foil faced insulation.

## FEATURES

### DIELECTRIC UNDERCOATING

Dielectric undercoating available in 38mm, 50mm, 75mm and 100mm pins.

### BEVELED EDGE CAP

Prevents tearing of duct liner.

### FASTER WELDS

Forged diamond point design creates more electrical resistance for faster welds.

### BETTER PLATING

Zinc and Chromate plating exceeds SMACNA standard and gives a more professional appearance.

### REDUCED DOWN TIME

Consistent point quality reduces frequency of machine adjustments.

### STRONGER WELDS

Hardened steel point assures positive electrical contact for complete sheet to pin fusion.

### APPLIED WITH STANDARD EQUIPMENT

Easily applied with Gripnail's Automatic Pin Welder or most standard hand held or hopper fed resistance welders.

### CORROSION RESISTANCE

PowerPoint Weld pins are plated with .0002" to .0003" of zinc and receive a final chromate dip. This plating exceeds current SMACNA standards for corrosion resistance.

### RETAINING CAP

The beveled edge retaining cap is sufficient in size and design to depress the surface of the insulation without tearing or cutting it. The cap does not protrude into the air stream to create noise or interfere with air movement in the duct.

### TEMPERATURE RANGE

PowerPoint Weld pins function properly over normally accepted operating range of temperatures of 0 degrees C to 121 degrees C and are not adversely affected at temperatures of 0 degrees C to 287 degrees C.

### VIBRATIONS

PowerPoint Weld pins will not fatigue or be physically affected by vibrations normally found in high velocity air handling systems.

## LIMITED PRODUCT WARRANTY

Manufacturer is not liable for consequential, incidental or special damages. There are no statutory or implied warranties including the warranties of fitness for a particular purpose and merchantability. There are no warranties other than as set forth here and factory neither assumes nor authorises any person to assume any liability or other obligation in connection with Weld Pins.

Weld Pins are warranted to be free from any and all defects in material and workmanship only at the time of shipment from our factory. Manufacturer will at its sole option, replace or issue credit for the original purchase price.

To determine the suitability of Weld Pins for each specific purpose the user must conduct their own test.

Manufacturer does not guarantee the results from the use of Weld Pins because of differences in surface texture and porosity of available materials as well as the possibility of structural movement or externally caused damages.

CODE	DESCRIPTION	PIN Length (before welding)
DW-WELDPIN 057B	Weldpin bucket 5000 for 12mm insulation	12.7mm
DW-WELDPIN 107B	Weldpin bucket 5000 for 25mm insulation	17.4mm
DW-WELDPIN 127B	Weldpin bucket 5000 for 25mm insulation	23.8mm
DW-WELDPIN 137B	Weldpin bucket 3000 for 38mm insulation	28.4mm
DW-WELDPIN 157B	Weldpin bucket 3000 for 50mm insulation	37.9mm
DW-WELDPIN 207B	Weldpin bucket 3000 for 50mm insulation	48.7mm
DW-WELDPIN 257B	Weldpin bucket 2500 for 68mm insulation	73.7mm
DW-WELDPIN 307B	Weldpin bucket 2000 for 75mm insulation	63.5mm
DW-WELDPIN 407B	Weldpin bucket 1500 for 100mm insulation	98.7mm
DW-WELDPIN 157DU	Dielectric Coated Weldpin bucket 3000 for 50mm insulation	37.9mm
DW-WELDPIN 207DU	Dielectric Coated Weldpin bucket 3000 for 50mm insulation	48.7mm
DW-WELDPIN 307DU	Dielectric Coated Weldpin bucket 2000 for 75mm insulation	73.7mm
DW-WELDPIN 407DU	Dielectric Coated Weldpin bucket 1500 for 100mm insulation	98.7mm

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