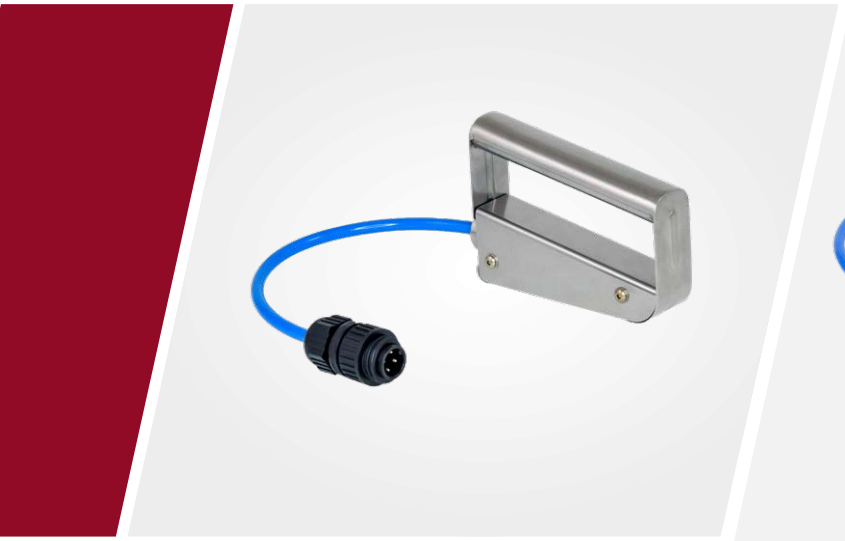
VESX50-IP

2 Pole Magnetic Grounding Clamp





VESX50-IP

Grounding clamps are typically designed around torsion or compression springs. The spring type grounding clamps are ideal for many different applications. However, attaching a spring based grounding clamp to a flat or curving surface is not normally possible e.g. the body of a drum.

Newson Gale have designed a 2 pole grounding clamp that capitalises on the power of magnetism and tungsten carbide tips to provide a strong low resistance connection (≤10 Ohms) to any ferrous metal surface e.g. body of a drum, tote, IBC, etc. This will allow drums to be filled, the cover fitted complete with extract connection over the open top and still ground the ferrous metal based drum with the VESX50-IP 2 pole magnetic grounding clamp.

The VESX50-IP 2 pole magnetic grounding clamp is fully compatible with the Newson Gale Bond-Rite and Earth-Rite monitoring systems that provide the customer with visual indication and interlock capability. Using this clamp and these systems will help the user to comply with International Standards, Guidance and Recommended Practices IEC TS 60079-32-1, NFPA77 and API RP 2003 in achieving a metal on metal to ground connection of ≤10 Ohms before the process starts and therefore mitigate static build up.

The body and integral handle of the VESX50-IP 2 pole magnetic grounding clamp are made from stainless steel (A2/SS304) for long life and corrosion resistance. Two sharp spring loaded tungsten carbide tips are used to penetrate coatings and make a low resistance connection (≤10 Ohms) to ground possible.

Due to the strength of the two Neodymium magnets the clamp is supplied with a sacrificial metal keeper that will need to be removed before the clamp is used. The sacrificial keeper will help focus away the magnetic field from other ferrous objects until the clamp is installed.

An optional stowage point is available for the VESX50-IP 2 pole magnetic grounding clamp. It allows the clamp to have a designated stowage point close to the item of ferrous metal based plant that the operator can use to park the clamp safely when it is not in use.

2 Pole Magnetic Grounding Clamp Key Benefits

- **Positive Contact** – the powerful combination of sharp spring loaded tungsten carbide tips complimented by the strength of the two Neodymium magnets ensure that coatings, product deposits or corrosion does not prevent the clamp from making a low resistance connection (≤10 Ohms) to the equipment to be grounded.
- **Ergonomic** – 2 Pole magnetic clamps have an integral handle and are therefore easy to grip, roll on and roll off when the operators have to make repetitive daily grounding connections.
- **Long Term Value** – additional value is provided by the corrosion resistant and mechanically robust stainless steel construction which helps reduce long term replacement costs that are typical of lower quality grounding clamps.

VESX50-IP

What are the benefits of using tungsten carbide teeth?

Tungsten carbide is one of the hardest materials used in industry today. When used in combination with very strong Neodymium magnets, has the capability to continuously bite through coatings, rust or product deposits that a basic alligator clip or welding clamp would struggle to achieve. Sharp tungsten carbide teeth are a standard feature of Newson Gale's heavy duty clamps.



Tungsten carbide teeth are designed to penetrate rust, coatings and product deposits to achieve a low resistance connection

Magnetic Static Grounding Clamp

Applications:	Grounding & bonding ferrous metal objects ranging from 55 gallon drums to large metal totes & IBCs	
Clamp Material:	Stainless Steel (SS grade: 304) Body Stainless Steel Springs Nylon Viton O-Ring Tungsten Carbide Tips Neodymium Magnets	
Operating Temperature:	-40°C to +60°C	
Dimensions:	133 mm x 36 mm x 96 mm (cable and connector add another 325mm to the length)	
Weight:	0.52 kgs (nett)	
Cable Size:	2 x 1.00 mm² copper (Overall OD 7.5 mm / 0.3")	
Cable to be used with clamp:	3 m (10 ft), 5 m (16 ft), 10 m (32 ft) or 15 m (50 ft) 2 pole Cen-Stat blue spiral cable with anti-UV / static dissipative Hytrel coating	
IECEx / UKEX Clamp Certification:	**IECEx** Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C IECEx EXV 20.0033 IECEx Certified Body: ExVeritas	**UKCA Ex** Ex II 1 G II 1 D Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C ExVeritas 21UKEX0842 UKCA Ex Approved Body: ExVeritas

Clamp Options



Magnetic Clamp Stowage Point

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