

Leading the way in hazardous area static control

Cen-Stat

ATEX / FM approved clamps, cables and reels

5 GOOD REASONS

WHY YOU SHOULD SPECIFY

FM & ATEX APPROVED STATIC GROUNDING CLAMPS







ATEX

When flammable or combustible products are being handled and processed in hazardous areas it is essential to specify certified equipment that will protect personnel from sources of electrostatic ignition. **STATIC Grounding CLAMPS** with **combined**

FM & ATEX APPROVALS are rigorously tested and certified to ensure they are capable of dissipating static charges from potentially charged equipment. This is especially significant when the equipment can be covered in coatings, product deposits or rust that is capable of preventing the clamp from making low resistance electrical contact with the equipment to be grounded, preventing the safe transfer of electrostatic charges from the equipment to the designated earth grounding point.

5 good reasons to specify FM & ATEX approved clamps.



Hardened Tungsten Carbide Teeth, in combination with positive spring pressure, penetrate layers of electrical insulation (e.g. coatings, rust, product deposits).

- 1. Clamp Pressure Testing (FM test standard).
 - Ensures the clamp is capable of establishing and maintaining low resistance electrical contact with the equipment to be grounded.
- 2. Electrical Continuity Testing (FM test standard).

Ensuring the continuity from the tips throughout the clamp is less than 1 ohm.

3. High Frequency Vibration Testing (FM test standard).

Ensures the clamp is capable of maintaining positive contact when attached to vibrating equipment.

4. Mechanical Pull Testing (FM test standard).

Ensures the clamp cannot be pulled off the equipment to be grounded without an intentional application of force.

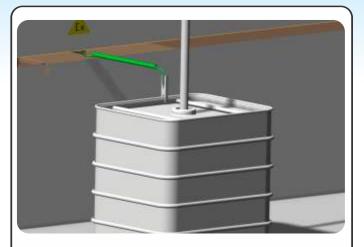
5. Sources of mechanical sparking (ATEX Directive).

Ensures no mechanical sparking sources are present in the grounding clamp.

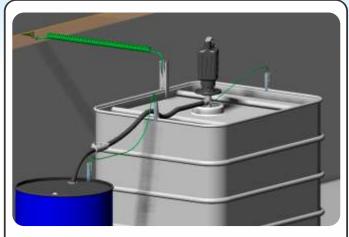
Newson Gale | For over 30 years Newson Gale has been supplying the chemical and processing industry worldwide with market leading range of static control products ensuring people and plant are protected from static related fires and explosions.







Large objects, like IBCs, should be grounded with a clamp that is capable of making, and maintaining, good electrical contact for the duration of the filling process. Along with the dual benefits of ATEX & FM approvals, the VESX90 clamp provides the best combination of size and functionality to clamp onto large objects requiring static grounding protection.



When transfers between containers are being carried out all parts of the transfer system, including pumps and hoses, should be bonded together and connected to a verified earth grounding point. Flexible combinations of VESX45 clamps can be used to bond and ground open top & closed drums, cans and other containers that require static grounding protection.

! WARNING! - drums and containers can have typical coating thicknesses of 675 micro-metres. Product deposits on drums and containers can result in thicknesses of up to several millimetres. The flat surfaces of basic welding clamps and battery clips are not designed to penetrate such coatings. It is of critical importance to specify clamps that can make regular and positive electrical contact with the conductive parts of the container. This will ensure that every time a process capable of generating static charges is carried out the risk of an incendive static spark discharge is reduced to an acceptable level.





VESX45 / 3m cable

All **Stainless Steel** clamp with 3m of static dissipative Hytrel protected cable. Clamp dimensions: 120 mm (4.7 inches)

RS Stock Code: 737-9619





Static Discharge Reels

All **Stainless Steel** clamp with 6m, 9m or 15m of Hytrel coated galvanised stainless steel coated cable.

RS Stock Codes: 7800006 7800012 7800015 7800018





VESX45 / 5m cable

All Stainless Steel clamp with 5m of static dissipative Hytrel protected cable.
Clamp dimensions: 120 mm (4.7 inches)
RS Stock Code: 385-673





(x3) ATEX

VESX90 / 5m cable

All **Stainless Steel** clamp with 5m of static dissipative Hytrel protected cable.
Clamp dimensions: 235 mm (9 inches)
RS Stock Code: 385-689



One pair **Stainless Steel** clamps joined by 3m of static dissipative Hytrel cable. Clamp dimensions: 120 mm (4.7 inches) RS Stock Code: 737-9628





 $\frac{\langle x \rangle}{\Delta TEX}$ Bond-Rite / 5m cable

Bond-Rite SELF-TESTING clamp with 10 ohm connection provided by pulsing LED. 5m of dissipative Hytrel protected cable. Clamp dimensions: 235 mm (9 inches)

RS Stock Code: 432-0566



Newson Gale Inc 460 Faraday Avenue Bldg C Jackson, NJ 08527 USA

Tel: +1 732 961 7610 Fax: +1 732 791 2182

Email: groundit@newson-gale.com



Newson Gale Ltd Omega House Private Road 8 Colwick, Nottingham NG4 2JX, UK

Tel: +44 (0)115 940 7500 Fax: +44 (0)115 940 7501 Email: groundit@newson-gale.co.uk



Newson Gale GmbH Ruhrallee 185

45136 Essen Deutschland

Tel: +49 (0)201 89 45 245 Fax: +49 (0)201 42 60 026 Email: erdung@newson-gale.de



Newson Gale S.E.A. Pte Ltd 136 Joo Seng Road

#03-01 Singapore 368360 NG UK RS CLAMP IFLYER 030414 R

Tel: +65 6420 0443 Fax: +65 6725 0570

Email: ngsea@newson-gale.com