

The **Cen-Stat**[™] range of grounding clamps, cables and reels provide **Static Control** solutions for a wide range of electrostatic hazards in flammable and explosive atmospheres.

Typical **Cen-Stat** Grounding Applications in **Flammable** or **Explosive Atmospheres** include:

- ☑ Filling containers, drums or IBCs with flammable / combustible material
- ☑ Grounding vessels engaged in mixing or agitating flammable / combustible materials.
- ☑ Ensuring isolated conductors are fully grounded within potentially hazardous atmospheres.



Hardened Tungsten Carbide Tips



Grounding of drums with clamps and Hytrel anti-static retractable spiral cable (more detail overleaf)



Grounding of metal IBCs and drums with clamps and retractable reels (more detail overleaf)



Cen-Stat clamps are designed to penetrate through coatings, hardened product deposits, rust and dirt to enable low resistance electrical connections to safely dissipate static electricity





Heavy Duty & Medium Duty Clamps

The all stainless steel and ergonomic construction of the Cen-Stat range of static grounding clamps provide **robust** and **long-life** use in the harshest operating environments. The clamps are supplied in **two sizes** and are specified based on the operating environment and the size of the equipment to be grounded.

Heavy Duty clamps are recommended for grounding large equipment ranging from 205 litre (55 gallon) capacity or larger drums, IBCs, mixing vessels and mobile tanks. The **X90 Heavy Duty** clamp has a **jaw opening diameter** of (1.57in) (40mm).

Medium Duty clamps are typically recommended for use in processes using drums, containers, solvent safety cans and mixing vessels of 55 gallon (205 litre) capacity or less. The **X45 Medium Duty** clamp has a **jaw opening diameter** of (0.60in) 15mm.

Cen-Stat clamps are supplied as standard with **Green** or **Orange** retractable spiral cable in lengths of 16ft (5mtr), 32ft (10mtr) and 50ft (15mtr) and straight lengths of up to 1640ft (500mtr). The hi-visibility **static dissipative** Hytrel® coating is IEC 60446 compliant and protects the (0.12in) 3mm diameter multi-stranded galvanised steel conductor from chemical and environmental degradation.

Customers can specify **Self-Retracting** reels with 20ft (6.1mtr), 30ft (9.1mtr) and 50ft (15.25mtr) of Hytrel coated straight cable. The galvanised steel core is 3/32in (2.4mm) in diameter and the overall diameter with coating included measures (1/8in) 3.2mm. The light weight reels 2.75lbs to 5lbs (1.25Kg to 2.25Kg) are easy to install in areas where customers prefer to have clamps neatly stowed.

Hazardous Area Approvals

Cen-Stat clamps are subjected to the rigorous **ATEX** and **FM** testing standards for the approval of static grounding clamps including:

Electrical Continuity Testing

Ensuring the continuity from the tip throughout the clamp is less than 1 ohm

Clamp Pressure and Mechanical Strength Testing

Ensuring the clamp is capable of establishing and maintaining low resistance electrical contact with equipment

High Frequency Vibration Testing

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



ATEX



Hytrel® coated cable



Self retracting reels



A comprehensive range of clamps and connectors are available for a wide range of applications

Ordering Code	Product Description
VESX45/1U03	X45 Stainless Steel Medium Duty Clamp & 10ft (3m) Hytrel Coated Retractable Spiral Cable
VESX45/R20	20ft (6m) Self Retracting Reel & X45 Stainless Steel Medium Duty Clamp
VESX90/1U05	X90 Stainless Steel Heavy Duty Clamp & 15ft (5m) Hytrel Coated Retractable Spiral Cable
VESX90/R30	30ft (9m) Self Retracting Reel & X90 Stainless Steel Heavy Duty Clamp
VESX41/1U03	REB Clamp & 10ft (3m) Hytrel Coated Retractable Spiral Cable

* More options available

Cen-Stat™ is a trade mark of Newson Gale.

This flyer provides a brief overview of the products available within the Cen-Stat range of Static Grounding and Bonding Equipment available from Newson Gale

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