

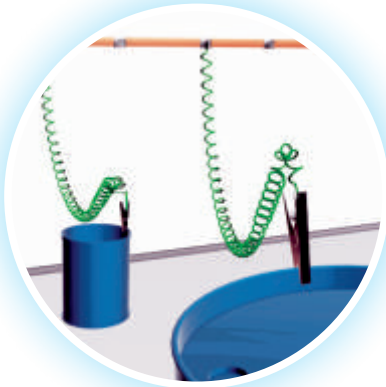
The **Cen-Stat™** range of grounding clamps, cables and reels provide **Static Control** solutions for a wide range of electrostatic hazards in flammable and explosive atmospheres.

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 40mm (1.57in).

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

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

Customers can specify **Self-Retracting** reels with 6.1mtr (20ft), 9.1mtr (30ft) and 15.25mtr (50ft) of Hytrel coated straight cable. The galvanised steel core is 2.4mm (3/32in) in diameter and the overall diameter with coating included measures 3.2mm (1/8in). The light weight reels 1.25Kg to 2.25Kg (2.75lbs to 5lbs) 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/G09	X45 Stainless Steel Medium Duty Clamp & 3m (10ft) Hytrel Coated Retractable Spiral Cable
VESX45/R20	6m (20ft) Self Retracting Reel & X45 Stainless Steel Medium Duty Clamp
VESX90/G03	X90 Stainless Steel Heavy Duty Clamp & 5m (15ft) Hytrel Coated Retractable Spiral Cable
VESX90/R30	9m (30ft) Self Retracting Reel & X90 Stainless Steel Heavy Duty Clamp
VESX41/G09	REB Clamp & 3m (10ft) Hytrel Coated Retractable Spiral Cable
VESX10	Cling-On Clamp with 3m (10ft) 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



Leading the way in hazardous area static control

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