

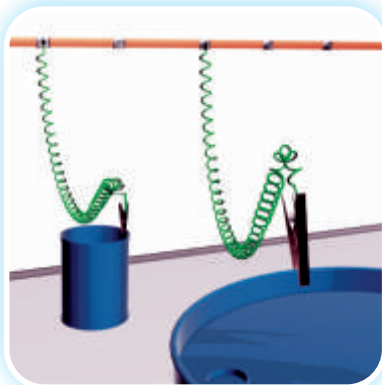
The **Cen-Stat™** range of grounding clamps, cables and reels provide **Static Control** solutions for a wide range of electrostatic hazards in flammable and explosive atmospheres.

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 Hytel 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 100 litre (26 gallon) drums to 2000 litre (500 gallon) 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 100 litre capacity or less or in situations where space does not permit the use of Heavy Duty clamps. The **X45 Medium Duty** clamp has a **jaw opening diameter** of 15mm (0.60in). *(Non-Stainless Steel clamps are available on request – contact us for more information)*

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 4mm (0.16in) 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 3mm to 4mm (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 a self-retracting option with stowage point.

Hazardous Area Approvals

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

Sources of mechanical sparking

Ensures no mechanical sparking sources are present in the clamp.



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

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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