



## Earthing cable

### Prevent explosion hazards caused by sparks or electrostatic discharge

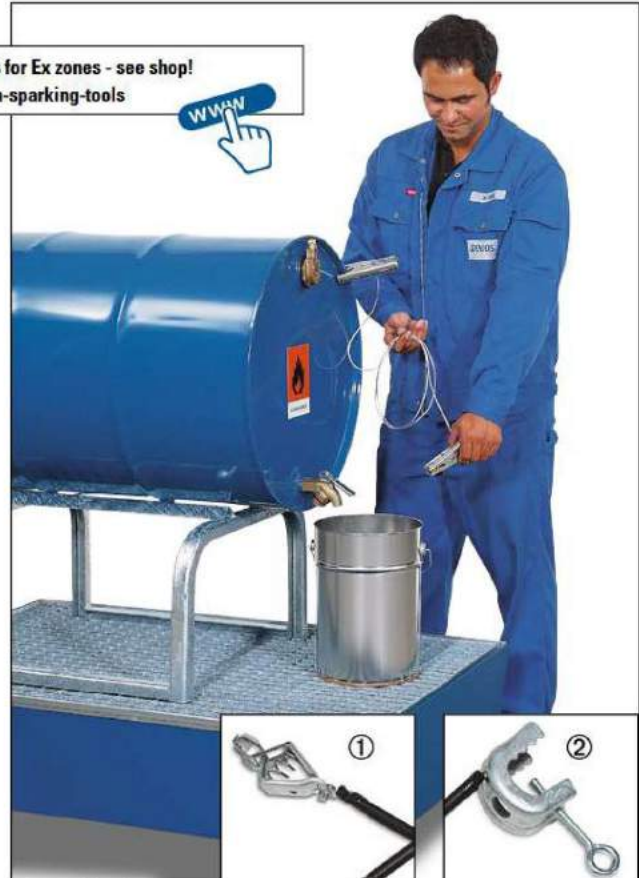
- Cable length 2 M
- The cable is available in a galvanised or a double insulated design
- The cables are available with either a crocodile clip and a C clamp that can be screwed in place, or an earthing clamp with a cable eye

Spark-free tools for Ex zones - see shop!  
denios.shop/non-sparking-tools



Ex-protection class in accordance with ATEX	Ex II 1 GD T6	
Version	Earthing strap, galvanised	Earthing strap, insulated
Cable length [m]	2	2
2 grounding pliers		
Order number	165-880-J9	165-882-J9
Price / Item(s)	£ 178.00	£ 179.00
1 earthing clip / 1 cable eye		
Order number	165-892-J9	165-894-J9
Price / Item(s)	£ 94.00	£ 99.00

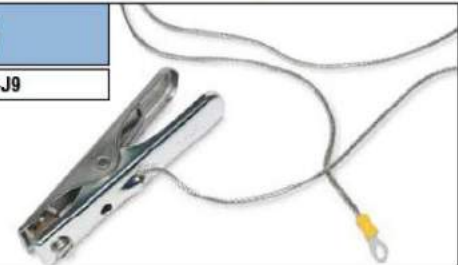
Without ATEX approval		
Version	Earthing strap, galvanised	Earthing strap, insulated
Cable length [m]	2	2
2 grounding pliers		
Order number	117-204-J9	137-372-J9
Price / Item(s)	£ 93.00	£ 94.00
1 earthing clip / 1 cable eye		
Order number	117-206-J9	137-385-J9
Price / Item(s)	£ 47.00	£ 52.00
1 C-clamp / 1 cable eye		
Order number	137-378-J9	137-380-J9
Price / Item(s)	£ 24.50	£ 27.50
1 crocodile clip / 1 C-clamp		
Order number	137-381-J9	137-382-J9
Price / Item(s)	£ 27.00	£ 33.50
1 crocodile clip / 1 cable eye		
Order number	137-374-J9	137-376-J9
Price / Item(s)	£ 16.20	£ 23.00
2 crocodile clips		
Order number	137-361-J9	137-363-J9
Price / Item(s)	£ 18.70	£ 25.00
2 C-clamps		
Order number	137-366-J9	137-368-J9
Price / Item(s)	£ 41.50	£ 48.00



1) Crocodile clip  
2) C clamp crocodile clips that can be screwed in place

£ 47.00

Order no. 117-206-J9



Earthing cable 2 M long with an earthing clamp and cable eye (without ATEX)

## Earth cable reel with earthing clamp

- Automatic cable reel with an earthing clamp
- 15 M cable, wire cross section 6 mm<sup>2</sup>
- Shock resistant plastic housing with pivoted assembly bracket



£ 464.00

Order no. 157-790-J9

## Anti static set

- For discharging static electricity
- Consists of 3 colour-coded copper connecting cables with clamping tongs in a practical plastic case
- With 1.40-M copper cable and two insulated 3-m copper cables



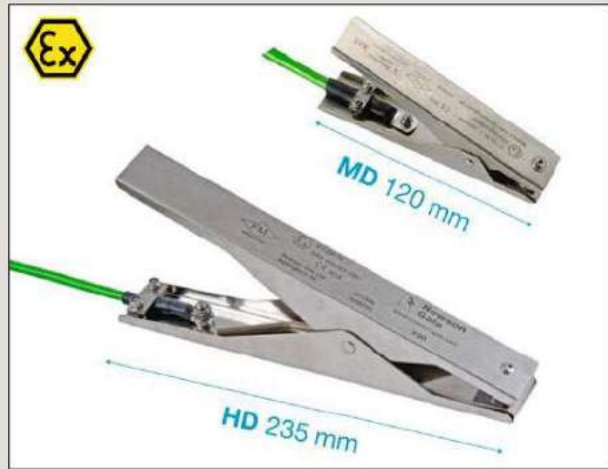
Transport case

£ 56.50

Order no. 116-058-J9



## **i** Earthing clamps with ATEX approval:



Tested stainless steel clamps in 2 optional sizes

- Model MD (Medium-Duty, aperture angle approx. 15 mm) - for drums, containers up to 200 litres
- Model HD (Heavy Duty, large aperture angle approx. 40 mm) - for larger plant components, drums and containers from 200 litres, IBCs, mixing containers, mobile tanks, tank vehicles etc.

The sharp teeth on the clamps pierce through drum coatings and contamination. The strong springs ensure the necessary pressure.

Stainless steel clamps with high durability and robustness even under toughest operational conditions - to ensure a safe and durable connection.

The ATEX stainless steel clamps are provided with the earthing equipment

From page  
**315**



Spiral earthing cable, ATEX compliant, with 1 earthing clamp model HD and one eyelet



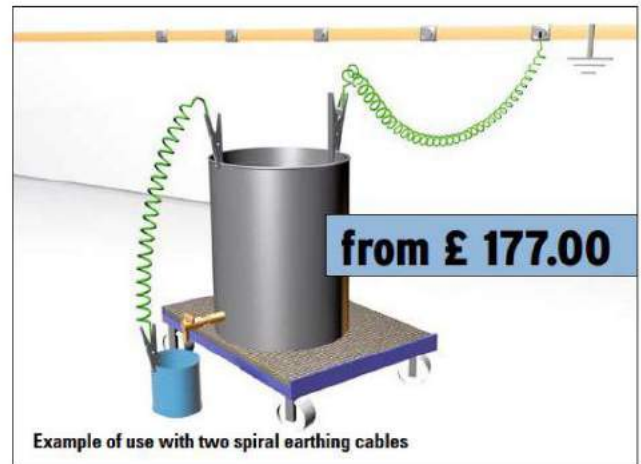
Spiral earthing cable with 2 earthing clamps model HD

## Earthing cable

- Also available with ATEX approval: Ex II 1 GD T6

Reliably prevents danger of explosion through sparking or electrostatic discharge

- Low electrical resistance with high mechanical strength
- Chemically resistant and wear-resistant cable sheath
- ATEX version with stainless steel clamps
- Spiral cable in lengths of 3 or 5 M



**from £ 177.00**

Example of use with two spiral earthing cables

Cable length [m]	3	5	3	5
Design without ATEX	With 1 earthing clamp and 1 eyelet		With two earthing clamps	
Order number	117-406-J9	117-405-J9	117-404-J9	117-407-J9
Price / Item(s)	£ 177.00	£ 244.00	£ 204.00	£ 263.00

Cable length [m]	3	5	3	5
Design in accordance with ATEX	With 1 earthing clamp and 1 eyelet		With two earthing clamps	
Order number Stainless steel clamp model MD	201-352-J9	201-353-J9	165-871-J9	165-872-J9
Price / Item(s)	£ 219.00	£ 289.00	£ 237.00	£ 312.00
Order number Stainless steel clamp model HD	201-354-J9	201-355-J9	201-356-J9	201-357-J9
Price / Item(s)	£ 242.00	£ 319.00	£ 305.00	£ 393.00

## ACCESSORIES



### Wall holder in stainless steel for up to two earthing cables (two clamps and two eyelets)

- Store cables conveniently and in compliance with the law
- Possible to connect customer's earth bar
- Can therefore also be used as convenient earthing point near dispensing area, for example

**£ 94.00**

Order no.  
201-358-J9





FM tested products



Ex II 1 GD T6



### i Extra safety

Self-testing earthing systems with visual indication provide operators processing flammable or explosive materials with visual verification that static electricity is discharged effectively:

- The green LED flashes - the earthing clamp has a secure connection to the container and earth. The earthing cable continuously monitors the electrical circuit between containers or container and verified earthing point (e.g. a wall-mounted earthing bar)
- The green LED stops flashing - a resistance >10 Ohm has been detected in the circuit. The user is warned of a potential electrostatic charge risk!

ATEX approved and conforms to international best practice guidelines!

The safer contact between clip and metal container (EG Drum) is indicated



### Grounding clamps with monitoring and visual indication

- **With continuous circuit monitoring: LED on the earthing clamp indicates the safe connection to the equipment**

- Approved in accordance with ATEX and IECEX
- Stainless steel clips
- Quick-connect coupling for simple clamp changes (EG when replacing the battery in a safe area)
- Protection class IP 65
- Intrinsically safe electric circuit, incl. 9V battery

- **Model C 52:** 1 clamp with LED, 2 Ring eyes
- **1 clip with LED,** 1 clip, either Type MD (L 120 mm) or Type HD (L 235 mm)



from £ 822.00



Example of use: connection of 2 drums by model EZ and required connection to operational earthing point by model C 52



Model C 52: 2-core version – checking and indication that a safe contact exists at the container and additionally at the earthing point

Model EZ with 2 clamps Portable and safe – connects 2 containers or 1 container, tanker etc To earthing point and indicates via an LED when both clamps have safe contact

Model	C 52	EZ	EZ
Design	1 clamp with LED / 2 Ring eyes	1 clamp with LED / 1 MD	1 clamp with LED / 1 HD
Cable length [m]	5	3	3
Order number	123-554-J9	201-368-J9	195-370-J9
Price / Item(s)	£ 852.00	£ 822.00	£ 907.00

### Assembly kit

Our assembly kit contains spiral cable in 3 lengths and ATEX certified stainless steel clamps model MD, HD and BR (with LED), for configuring to your individual needs

- All cables and clamps are fitted with quick-connect couplings, the practical quick-connect coupling for simple changes
- Suitable for all earthing systems with monitoring



Detailed view: quick-connect - connects clamp and cable quickly and easily

Spiral cable, 2-core, length [m]	Order number	Price / Item(s)
5	207-322-J9	£ 195.00
10	207-323-J9	£ 289.00
15	207-324-J9	£ 435.00

Earthing clips, 2-pin	Order number	Price / Item(s)
Stainless steel clamp MD, L 120 mm	206-260-J9	£ 163.00
Stainless steel clamp HD, L 235 mm	206-261-J9	£ 269.00
Stainless steel clamp BR, with LED display	207-321-J9	£ 532.00



Spiral cable, 2-core



Model BR earthing clamp with LED indicator light



## Static discharge cable

### ■ Cable available in 3 lengths

- Stainless steel clamp with long life and good grip even under the harshest operating conditions - for a secure durable connection
- With retractable cable reel
- Locking mechanism prevents cable tangling
- Antistatic Hytel steel cable
- Approval in accordance with ATEX - discharge cable: exii 2GD T6 - clamp: exii 1GD t6
- Stainless steel clamps, either: model MD (L 120 mm) or model HD (L 235 mm)

Cable length [m]	6.2	9.2	15.2
Order number Stainless steel clamp model MD	207-309-J9	201-343-J9	201-346-J9
Price / Item(s)	£ 445.00	£ 529.00	£ 658.00
Order number Stainless steel clamp model HD	207-310-J9	201-344-J9	201-347-J9
Price / Item(s)	£ 472.00	£ 549.00	£ 687.00

from £ 445.00



## Safe earthing with magnetic force

Earthing clamps high on a metal drum can be knocked by dispensing equipment for example. As an alternative, the earthing magnet lies flat on the drum lid or can be fitted at the side of the drum. It attaches firmly to the metal of the drum.

- Approved in accordance with ATEX for zones 1, 2 and 21, 22
- Several magnets ensure a good connection to the container.

### ■ Model EM-H(X) - for earthing metal containers

- Clamp-free earthing of coated and painted containers Two strong stainless steel spikes penetrate contamination or paint on the container.
- Only approx. 40 mm high - easy for an automatic filling machine to move over
- Model EM-HX - for drums to 205 L
- Model EM-H: for small containers and drums from 5 to 50 L

- With 5 m cable and eye for customer-side earth connection
- Heat resistant and wear-resistant cable sheath

### ■ Model EM – for earthing uncoated containers

- No scratching on containers to be sold on Clamp-free earthing of uncoated and unpainted containers - protects the container
- The small magnet ensures a good connection to smaller containers, eg tins



Earthing magnet EM-HX - for metal containers to 200 L, Order no. 217-934-J9



Earthing magnet EM-H for smaller metal containers, Order no. 217-933-J9,

NEW

from £ 342.00

Earthing magnet EM with cable and eye for unpainted, and small containers (e.g. tin containers)



## Mini earthing clamps for drum pumps

- Approved in accordance with ATEX for use in zone: 1, 2 and 21, 22
- Strong stainless steel mini clamp (L 60 mm, opening 15 mm) - ideal for connection to drum pump Easy to use and secure connection
- With 3 m spiral cable
- Either with eye for customer earth connection or as a mobile version with an additional stainless steel clamp (L 140 mm), e.g. for secure connection to drums

NEW

from £ 163.00

Mini pump clamp in combination with drum clamp for safe connection of pump and container.



Model	EM	EM-H	EM-HX	Mini
Cable length [m]	5			3
Equipment - earthing systems	1 magnet / 1 cable eye			2 grounding pliers 1 earthing clip / 1 cable eye
Suitable for	Non-coated containers	Coated containers 5 - 50 L	Coated drums 50 - 205 L	Pump / container connector Pump / earthing bar connector
Order number	217-932-J9	217-933-J9	217-934-J9	244-028-J9 221-520-J9
Price / Item(s)	£ 452.00	£ 342.00	£ 357.00	£ 219.00 £ 163.00