



**eltex**

electrostatic  
innovations



## Ground Clamps for active and passive grounding



## GROUNDING

### ➤ Eltex ground clamps take on the challenge. In safety!

In many industrial areas, relatively small containers require grounding time and time again, although companies shy away from investing in an active ground monitoring system. Unsuitable contact mechanisms such as welding tongs or clamps are used instead. These, however, are not capable of getting through the dirt and deposits on the containers caused by the operating conditions and cannot establish a reliable ground connection. These kinds of unsuitable ground contacts may cause the user to believe that the ground connection is providing protection when it actually is not.



The **active grounding clamps** are used together with the **TERRACONTROL TUE30** ground monitoring system to establish and monitor grounding connections. These devices are used when decanting or filling potentially explosive substances. Existing electrostatic charges are discharged effectively in a controlled manner. The active grounding clamps **TERRA-C/Sxx**, **TERRA-C/Bxx**, **7OAK** and **7OHK** feature extremely hard and sharp collet jaws. The jaws also feature a continuously high clamping force, ensuring a secure connection to the equipoten-tial bonding at all times. The standard version of the grounding clamps includes a cable with connected plug for an easy connection to the included grounding cable, spiral cable and rewinding cable reels.



Extremely hard and sharp clamping jaws on the **passive ground clamps TERRA-C/PO**, **70OK** and **70PK** provide a sure grip. The clamps feature sustained high clamping force to help with their grip, ensuring a solid connection to the potential equalization at all times.



In addition, the **TERRA-C/POS** and **70PK** ground clamps feature a cable end with an attached plug for easy connection to the also available passive grounding cables, spiral cables and cable rewinders.





## Ground Clamps for active Grounding



### TYPE TERRA-C/S for active Grounding TYPE TERRA-C/B for active Grounding BIG-BAG

For use with the components  
of all ground monitoring systems (cable color: light blue)

Clamp material	stainless steel, pp
Operating ambient temp.	-40 ... +70°C (-40 ... +158°F) with fixed cable: -30 ... +70°C (-22 ... +158°F)
Ground cable	TERRA-C/xxS with integrated 4-pin plug IP67 TERRA-C/xxA with fix connected oil and gasoline resistant control, lead 3 x 1.5 mm <sup>2</sup>
Approval/Identification	ATEX: DMT 00 ATEX E 068 X ⊕ II 1G Ex ia IIC T4 Ga, II 1D Ex ia IIIC T135°C Da, IECEx: BVS 20.0012 X Ex ia IIIC T135°C Da, Ex ia IIC T4 Ga



### TYPE 70AK for active Grounding

For use with the components  
of all ground monitoring systems (cable color: light blue)

Clamp material	stainless steel
Operating ambient temp.	-20 ... +70°C (-4 ... +158°F)
Ground cable	oil and gasoline resistant control lead, 3 x 1.5 mm <sup>2</sup> connected 4-pin plug IP67
Approval/Identification	ATEX: DMT 00 ATEX E 068 X ⊕ II 2D Ex ia IIIC T135°C Db, II 2G Ex ia IIC T6 Gb IECEx: BVS 16.0016X, NEPSI: GYJ14.1367X Ex ia IIIC T135°C Db, Ex ia IIC T6 Gb



### TYPE 70HK for active Grounding BIG-BAG

For use with the components  
of all ground monitoring systems (cable color: light blue)w

Clamp material	galvanized sheet steel, plastic handle
Operating ambient temp.	-20 ... +70°C (-4 ... +158°F)
Ground cable	oil and gasoline resistant control lead, 3 x 1.5 mm <sup>2</sup> connected 4-pin plug IP67
Approval/Identification	ATEX: DMT 00 ATEX E 068 X ⊕ II 2D Ex ia IIIC T135°C Db, II 2G Ex ia IIC T6 Gb IECEx: BVS 16.0016, NEPSI: GYJ14.1367X Ex ia IIIC T135°C Db, Ex ia IIC T6 Gb



## Ground Clamps for passive Grounding



### **TYP TERRA-C/POS** for passive Grounding **TYP TERRA-C/PO (B or R)** for passive Grounding

Clamp material	stainless steel, pp
Operating ambient temp.	-40 ... +70°C (-40 ... +158°F) with fixed cable: -30 ... +70°C (-22 ... +158°F)
Ground cable	TERRA-C/POS with integrated 4-pin plug IP67 TERRA-C/PO (B or R) with fix connected oil and gasoline resistant control lead, 3 x 1.5 mm <sup>2</sup> B= cable end with 4-pin plug IP67 R= cable end with ring tongue M10



### **TYPE 70PK** for passive Grounding

Clamp material	stainless steel
Operating ambient temp.	-20 ... +70°C (-4 ... +158°F)
Ground cable	oil and gasoline resistant control lead, 3 x 1.5 mm <sup>2</sup> connected 4-pin plug IP67
Approval/Identification	ZELM 04 ATEX 0229 ⚡ XII 1G IIB T6 Ga, II 2G IIC T6 Gb, II 1D T80°C Da



### **TYPE 700K** for passive Grounding

Clamp material	stainless steel
Operating ambient temp.	-20 ... +70°C (-4 ... +158°F)
Without cable	min. conductor cross section 4 mm <sup>2</sup> ; max. 10 mm <sup>2</sup>
Approval/Identification	ZELM 04 ATEX 0229 ⚡ XII 1G IIB T6 Ga, II 2G IIC T6 Gb, II 1D T80°C Da