



eltex electrostatic
innovations

> Ground Clamps



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 **70AG, 70BG, 70CG** (only for TCBO40), **70AK** and **70HK** feature extremely hard and sharp collet jaws. The jaws also feature a continuously high clamping force, ensuring a secure connection to the equipotential 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 70SG, 70PG, 700K 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 **70SG 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 70AG for active Grounding TYPE 70BG for active Grounding BIG-BAG

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 ² 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



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 ² 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 ² 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



TYPE 70SG for passive Grounding TYPE 70PG for passive Grounding

Zangenmaterial	Edelstahl
Betriebsumgebungstemp.	-20 ... +70°C (-4 ... +158°F)
Erdungskabel	oil and gasoline resistant control lead, 3 x 1.5 mm ² 70SG with fixed wire end ferrule, 70PG with fixed cable lug
Zulassung / Kennzeichnung	ZELM 04 ATEX 0229 ⊕ XII 1G IIB T6 Ga, II 2G IIC T6 Gb, II 1D T80°C Da



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 ² 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 ² ; max. 10 mm ²
Approval/Identification	ZELM 04 ATEX 0229 ⊕ XII 1G IIB T6 Ga, II 2G IIC T6 Gb, II 1D T80°C Da