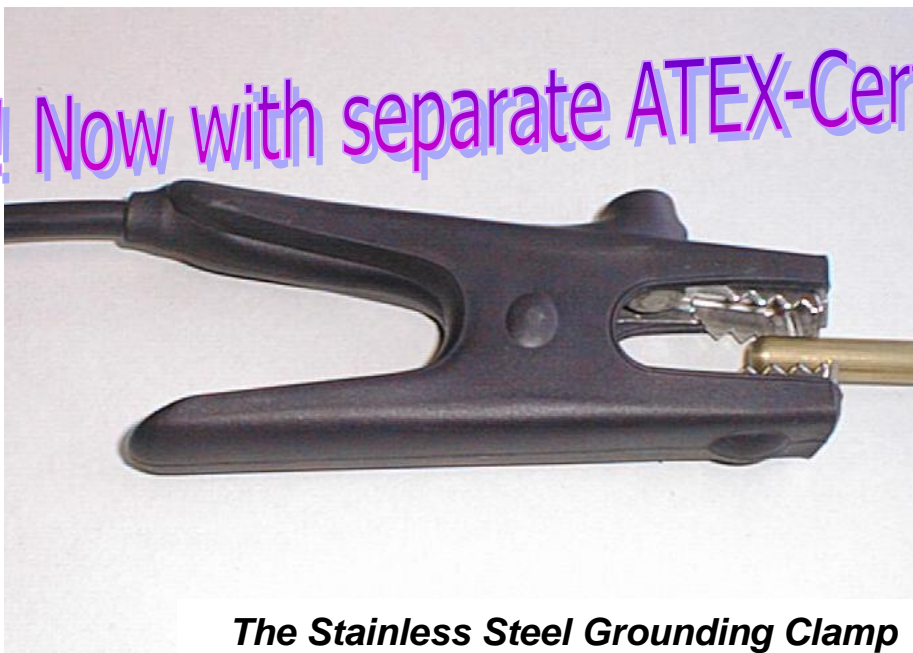


## Grounding Clamp type EZ1-... for Grounding Control Devices with Rubber Insulation Sheath

**NEW!** Now with separate ATEX-Certificate



### *The Stainless Steel Grounding Clamp for our Grounding Control Devices*

- The tong handles and jaws of our new grounding clamp are manufactured of non-corrosive stainless chromium-nickel steel (V2A).
- Due to the provided rubber insulation sheath a complete isolation of the grounding clamp is ensured. The insulation sheath of nitrile rubber is handy, heat resistant up to 100°C and steady against mineral oil products.
- The spring action is limited in that way that for a safe contacting of the grounding clamp no strong force expenditure is necessary.
- **NEW:** In accordance with the **Statement of Conformity TÜV 08 ATEX 554213 X** the Grounding Clamp EZ1 is approved for use in potentially explosive atmospheres of the zones 1 and 21 (gas group II C) as an equipment of category II 2 GD.

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## Variations of use

The Grounding Clamp types EZ1-1pol / EZ1-2pol / EZ1-Dorn are solely intended to perform an electrical ground connection to road tankers, railway tank wagons, containers or similar storage tanks in combination with an appropriate grounding tester (such as our Grounding Control Devices of series EKx-3). This ground connection represents a safe and supervised earth bonding in order to eliminate electrostatic charges from these objects that occur during filling respectively loading and unloading procedures. Depending on the intended purpose (in particular on the object which shall be grounded) the following brands of the Grounding Clamp type EZ1 are available:

### ***Grounding Clamp type EZ1-1pol (single-pole version)***

This standard version of the grounding clamp is used for connecting a single-core cable (e.g. type H07RN-F 1x6mm<sup>2</sup> or similar). The inner contact spring performs the contact with the object to be grounded.



### ***Grounding Clamp type EZ1-2pol (two-pole version)***

This grounding clamp is build similarly to the standard version, but intended for connecting a two-core cable (e.g. type H07RN-F 2 x 2,5mm<sup>2</sup> or similar) that is used in combination with a grounding tester for the controlled grounding of drums and containers (e.g. Grounding Control Device type EKK-3), which requires a double contacting. The two-core cable is connected to the inner contact spring as well as to the outer contact jaws (at the clamp handles), which perform in that case both the contact with the object to be grounded.



### ***Grounding Clamp type EZ1-Dorn (with brass pin)***

This variation of the clamp corresponds to the single-pole grounding clamp, but it is additionally equipped with a brass pin, which forms in combination with the Grounding Socket type TW 700 a durable break-down safety coupling. The brass pin, which is firmly screwed to the clamp, is fitting into the Grounding Socket TW 700. So the grounding cable (e.g. type H07 RN-F 1 x 6mm<sup>2</sup> or similar; only a single-core cable is possible) that is connected to grounding socket will not get damaged in case of strong tensile force, as the safety coupling separates before.





## Technical Data

Name of equipment:	Grounding Clamp type EZ1-1pol / -2pol / -Dorn
Gas group:	IIC
Device Category:	II 2 GD (approved for use in potentially explosive atmospheres of zone 1 and 21)
Type Examination Certificate No.:	TÜV 08 ATEX 554213 X (E.C. Statement of Conformity)
Range of ambient temperature:	- 20°C to + 60°C
Weight (without cable):	approx. 300 g

## Statement of Conformity acc. to ATEX 95-directive

**Translation**

(1) **Statement of Conformity**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

(3) **Statement of Conformity Number:** TÜV 08 ATEX 554213 X

(4) for the equipment: Grounding Clamp type EZ1-...

(5) of the manufacturer: **H. Timm Elektronik GmbH, Steuer und Messtechnik**

(6) Address: Humboldtstr. 29  
21509 Glinde  
Germany

Order number: 8000554213

Date of issue: 2008-12-04

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.

(8) The TÜV NORD CERT GmbH certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 08 204 554213.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 1127-1:2007**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This statement of conformity relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:

**Ex II 2 GD IIC**

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, accredited by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the certification body

*[Signature]*  
Schwedt

Hanover office, Am TÜV 1, 30519 Hanover, Fon +49 (0)511 986 1455, Fax +49 (0)511 986 1590

This statement of conformity may only be reproduced without any change, schedule included.  
Excerpts or changes shall be allowed by the TÜV NORD CERT GmbH

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