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## European technical approval

## ETA-12/0117

(English translation, the original version is in German)

Handelsbezeichnung  
*Trade name*

**TSC-500-ZD**

Zulassungsinhaber  
*Holder of approval*

**Trumer Schutzbauten GmbH  
 Maria Bühel Straße 7  
 5110 Oberndorf  
 Austria**

Zulassungsgegenstand  
 und Verwendungszweck

**Bausatz für Steinschlagschutznetz für Energieeintrag mit  
 Maximallast (MEL) von 500 kJ**

*Generic type and use  
 of construction product*

*Falling rock protection kit with maximum energy level (MEL) of  
 500 kJ*

Geltungsdauer vom  
*Validity from*  
 bis zum  
*to*

**09.05.2012**

**08.05.2017**

Herstellwerk  
*Manufacturing plant*

**Trumer Schutzbauten GmbH  
 Handelsstraße 6  
 5162 Obertrum  
 Austria**

Diese Europäische Technische  
 Zulassung umfasst

**35 Seiten einschließlich 13 Anhänge  
 35 Pages including 13 Annexes**

*This European technical ap-  
 proval contains*



European Organisation for Technical Approvals  
 Europäische Organisation für Technische Zulassungen  
 Organisation Européenne pour l'Agrément Technique

English version (Original in German)  
**EC-CERTIFICATE OF CONFORMITY**  
**1159 – CPD – 0324/12**

In compliance with Directive 89/106/EEC of the Council of European Communities of 21<sup>st</sup> December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (Construction Products Directive – CPD), amended by Directive 93/08/EEC of the Council of European Communities of 22<sup>nd</sup> July 1993, implemented by the Styrian Bauproduktengesetz 2000, LGBl. Nr. 50/2001, as amended by LGBl. Nr. 13/2010, it is stated that the construction product

**Falling rock protection kit according to ETAG 027**  
**with the trading name**  
**„TSC-500-ZD“**

Maximum Energy level (MEL) = 500 kJ

Service Energy level (SEL) = 170 kJ

Energy level classification: 2

Residual height after MEL launch: Category A

placed on the market by

**Trumer Schutzbauten GmbH**

Maria Bühel Straße 7, A-5110 Oberndorf

and produced in the factory

**Trumer Schutzbauten GmbH**

Handelsstraße 6, A-5162 Obertrum

is subjected by the manufacturer to factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body (identification number 1159)

**Amt der Steiermärkischen Landesregierung**  
**Bautechnik und Gestaltung – BauCert Steiermark**  
**Burggasse 13, A-8010 Graz/Austria**

has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and factory production control and performs the continuous surveillance, assessment and approval of factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in the European Technical Approval

**ETA-12/0117**

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 10<sup>th</sup> Dec. 2012 and remains valid as long as the conditions laid down in the European technical specification or the manufacturing conditions in the factory or the factory production control itself are not modified significantly, the European Technical Approval ETA-12/0117 is valid, or at the latest until 8<sup>th</sup> May 2017. The certificate of conformity comprises 1 page.

For the Provincial Government of Styria  
Head of certification body

Ing. Dipl.-Ing. Robert Jansche, MPA

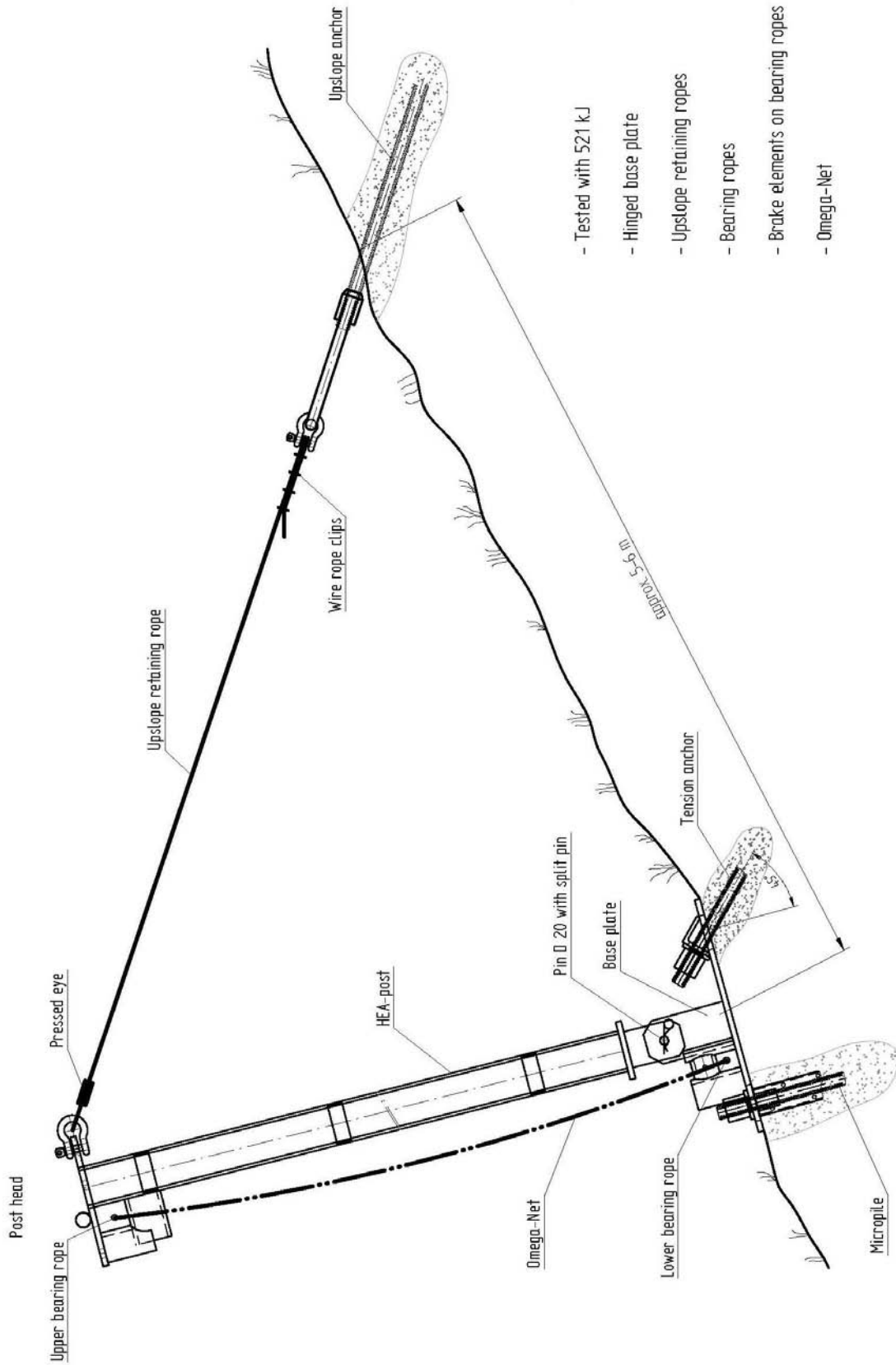
Authorized signatory

Ing. Michael Hackl

Graz, 10<sup>th</sup> December 2012



# Rockfall protection system TSC-500-ZD · Lateral View



- Tested with 521 kJ
- Hinged base plate
- Upslope retaining ropes
- Bearing ropes
- Brake elements on bearing ropes
- Omega-Net

# Rockfall protection system TSC-500-ZD - Plan View

