

**BAM**Federal Institute for  
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and Testing12200 Berlin, Germany  
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Internet: www.bam.de**Certificate**N°: **BAM/ZBF/001/13**

Hereby it is confirmed by the BAM Certification Body, that the

**Material copper-aluminum and copper-beryllium**

of the manufacturer

**Endres Tools GmbH  
Am Eichholz 12  
42897 Remscheid  
Germany**

meets the requirements of **BAM Standard operating procedure „StAA-NEG-005“**: „StAA zur Schlagfunkenprüfung von **Werkstoffpaarungen**“ dated **2012-03-01** and thus the non-sparking tools made of these materials are appropriate for use in potentially explosive atmospheres of zone 0 and/or 20 according to Directive 1999/92/EC of all explosion groups according to IEC 60079:2004 Part 0, if the terms and conditions set out in the annex to this certificate are met.

The certification is based on certification contract N° **BAM-ZBF-0001-2013-ENDRES** and comprises according to standard DIN EN 45 011 (1998) a design-type test with the manufacturer's declaration of conformity (BAM Certification system I).

The products certified by BAM may be labelled with the certification mark "BAM design-type tested" / "BAM Baumustergeprüft".

**The certificate is valid until 17 March 2018.**

BAM test report **2-2561/2012** dated **2013-02-22** is a constituent part of this certificate.

for BAM Bundesanstalt für Materialforschung und -prüfung  
Unter den Eichen 87, 12205 Berlin, **2013-03-18**

Dr. R. Schmidt  
BAM Certification Body



Dr. R. Grätz  
BAM Assessor

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Safety in technology and chemistry

**CERTIFICATE**

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