



## Certificate of Conformance

**Material:** CARLTSOE SAFETY TOOLS® BeCu Alloy.

**Date:** January 2013

As manufacturer of CARLTSOE SAFETY TOOLS®, we hereby certify our tools provide Non-Sparking, Non-Magnetic and Non-Corrosive properties.

CARLTSOE SAFETY TOOLS®, made from the Beryllium Copper alloy (BeCu), have the following typical nominal properties:

### Chemical Composition (BeCu alloy):

Be	1.9%
Co+Ni	0.4 %
Others	0.5%
Cu	Balance

### Mechanical Properties (BeCu alloy) :

Strength	1225 N/mm <sup>2</sup>
Yield Point	850 N/mm <sup>2</sup>
Elongation	3 %
Hardness	38 HRC

CARLTSOE SAFETY TOOLS® Beryllium Copper (BeCu) alloy helps fulfill the recommendation in the European ATEX directive for working in Zones 0, 1, and 2 (gas, mist, or vapor), Zones 20, 21 and 22 (dust), and M1, M2 for Mining.

Hand tools are not within the scope of the European ATEX 94/9/EC (tools have no own source of ignition). Risk assessments must be made by the employer for the safety of workers using hand tools (see EN 1127-1 and EN 13463-1)

Disclaimer: Final responsibility remains with the employer for the safety of workers using hand tools based on his risk assessment (EN 1127-1 / EN 13463-1).

The above text is not binding and reference must always be made to the original documents.

We reserve the rights to change above specifications when necessary. If changes are made, we will make all efforts to inform our authorized distributors immediately.

Rick Waddell  
Quality Manager

## CARLTSOE SAFETY TOOLS

Route de Chésalles 48  
CH - 1723 MARLY  
SWITZERLAND  
Tel. +41 26 - 439.93.00  
Fax.+41 26 - 439.93.01  
E-mail: [info@carltsoe.com](mailto:info@carltsoe.com)  
Website : [www.carltsoe.com](http://www.carltsoe.com)

