



Certificate of Conformance

Material: CARLTSOE SAFETY TOOLS® AlBz 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 Aluminum-Bronze alloy (AlBz), have the following typical nominal properties:

Chemical Composition (AlBz):

Al	10.3%
Ni	4.5%
Fe	4.5%
Others max	0.5%
Cu	Balance

Mechanical Properties (AlBz) :

Strength	800 N/mm ²
Yield Strength	350 Nmm ²
Elongation	14%
Hardness	200 HBW

CARLTSOE SAFETY TOOLS® Aluminum Bronze(AlBz) alloy helps fulfill the recommendation in the European ATEX directive for working in Zones 1, and 2 (gas, mist, or vapor) and Zones 21 and 22 (dust).

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

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