Non-Sparking and Non-Magnetic Safety Tools

For Use in Hazardous Environments and all ATEX and Ex Zones

CS Unitec offers a complete line of High-Quality Non-Sparking, Non-Magnetic and Corrosion-Resistant Safety Tools. CS Unitec is a leader in special Copper Alloy Safety Hand Tools manufactured for use in high-risk areas where a spark can create a disaster.

**CS Unitec Copper-Beryllium Tools (CuBe2) fulfill the demand in the ATEX directive for work in Zones 0, 1 and 2 (Gas, Mists or Vapors); Zones 20, 21 and 22 (Dusts); and M1 and M2 for mining.**

**CS Unitec Aluminum-Bronze Tools (AlBr) fulfill the demand in the ATEX directive for work in Zones 1 and 2 (Gas, Mists or Vapors), plus Zones 21 and 22 (Dusts).**

**Zone Definitions**

**Gas, Mists or Vapors**
- **Zone 0** - An atmosphere where a mixture of air and flammable substances in the form of gas, vapor or mist is present frequently, continuously or for long periods.
- **Zone 1** - An atmosphere where a mixture of air and flammable substances in the form of gas, vapor or mist is likely to occur in normal operation occasionally.
- **Zone 2** - An atmosphere where a mixture of air and flammable substances in the form of gas, vapor or mist is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

**Dusts**
- **Zone 20** - An atmosphere where a cloud of combustible dust in the air is present frequently, continuously or for long periods.
- **Zone 21** - An atmosphere where a cloud of combustible dust in the air is likely to occur in normal operation occasionally.
- **Zone 22** - An atmosphere where a cloud of combustible dust in the air is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

**How to Choose the Correct Alloy for Your Application**

<table>
<thead>
<tr>
<th>Aluminum-Bronze (AlBr) Alloy</th>
<th>Copper-Beryllium (CuBe2) Alloy</th>
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<tbody>
<tr>
<td><strong>Zone Compatibility</strong></td>
<td>Fulfill demand in ATEX directive for work in Zones 1, 2, 21 and 22</td>
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<tr>
<td><strong>Hardness</strong></td>
<td>23-35 HRC</td>
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<tr>
<td><strong>Durability</strong></td>
<td>Not as durable as CuBe.</td>
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<tr>
<td><strong>Magnetic Properties</strong></td>
<td>Low magnetism due to minimal ferrous components. Appropriate for non-critical non-magnetic applications.</td>
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<tr>
<td><strong>Composition</strong></td>
<td>Al: 9.5-11% Ni: 3.5-5.5% Cu: Balance</td>
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<tr>
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<td>Fe: 3.5-5.5% Other: 0.5% max</td>
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MSDS (Safety Data Sheet) is available upon request.
WARNING: Safety tools should not be used in contact with Acetylene.
WARNING: Safety tools must only be ground or resharpened by companies approved for grinding such material, according to OSHA regulations.

**Ask about our line of ATEX Certified Air and Hydraulic Power Tools for Ex Zones, including:**
- Reciprocating Saws
- Hacksaws
- Band Saws
- Portable Magnetic Drills
- Nut Runners
- Rotary Hammer Drills
- Impact Wrenches
- Axial Fans