

Non-Sparking Combination Wrench

This combination wrench is designed for use in hazardous environments. The tool is constructed from specialized alloys to prevent sparks and ignition of flammable materials.



ADDITIONAL IMAGES



Product Overview

Safety-Critical Combination Wrenches

These non-sparking combination wrenches are engineered for high-risk environments where flammable solvents, vapors, liquids, or dusts are present. By utilizing specialized copper-beryllium or aluminum-bronze alloys, these tools significantly reduce the risk of ignition compared to standard steel tools. They are essential for industries such as oil and gas, mining, and chemical processing, helping facilities meet stringent safety standards like the ATEX Directive.

Technical Specifications

Available Sizes (mm)

- 6
- 7
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- 55
- 60
- 65
- 70

Material Options

Copper-Beryllium (CuBe2), Aluminum-Bronze (Al-Cu)

Alloy Comparison

Alloy Performance Comparison

Feature	Aluminum-Bronze (AlBr)	Copper-Beryllium (CuBe2)
Zone Compatibility	Zones 1, 2, 21, 22	Zones 0, 1, 2, 20, 21, 22
Hardness	27 HRC	38 HRC
Durability	Moderate	Very High
Magnetic Properties	Low magnetism	Non-ferrous/Non-magnetic

Safety & Compliance

Safety Standards

ATEX Directive 94/9/EC • OSHA Compliant • NFPA Compliant

Understanding 'Non-Sparking'

The term 'non-sparking' is often misleading; these tools are more accurately described as 'reduced-sparking tools.' While they drastically lower the risk of ignition, they can still produce 'cold sparks' under certain conditions. Always assess the specific hazards of your environment and consult with safety officers or material manufacturers before use.