

Non-Sparking Double Open End Wrench

This double open end wrench is designed for use in environments where flammable or explosive hazards may be present. It is constructed from a specialized alloy to prevent sparks.



Product Overview

Safety-Critical Fastening

This double open-end wrench is engineered for high-stakes environments where fire and explosion hazards are a constant concern. Designed to minimize spark generation, these tools are essential for industries like oil and gas, chemical processing, and mining. By utilizing specialized non-ferrous alloys, the wrench provides a safer alternative to standard steel tools when working near flammable solvents, vapors, or dust.

Technical Specifications

Available Size Combinations

- 5.5*7
- 6*7
- 6*8
- 7*9
- 8*9
- 8*10
- 9*10
- 9*11
- 10*11
- 10*12
- 10*13
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- 27*32
- 29*32
- 30*32
- 30*36
- 32*34
- 32*36
- 34*36
- 36*38
- 36*41
- 38*40
- 41*46
- 46*50
- 50*55
- 50*60
- 60*65

Material & Compatibility

Alloy Comparison Matrix

Feature	Aluminum-Bronze (AlBr)	Copper-Beryllium (CuBe2)
Hardness	27 HRC	38 HRC
Durability	Moderate	High
ATEX Zones	1, 2, 21, 22	0, 1, 2, 20, 21, 22

Material Composition

Element	Al-Cu Alloy	Be-Cu Alloy
Copper (Cu)	Balance	Balance
Aluminum (Al)	10.3%	-
Beryllium (Be)	-	1.9%
Iron (Fe)	4.5%	-
Nickel (Ni)	4.5%	0.4% (w/ Co)

Safety Information

Understanding 'Non-Sparking' Tools

The term 'non-sparking' is often considered misleading, as these tools can still generate 'cold sparks' under specific conditions. They are more accurately described as 'reduced-sparking tools.' While they provide essential protection in hazardous environments, they do not eliminate the risk entirely. Always assess your specific environment and consult with safety professionals or material manufacturers when working with highly flammable substances.

Compliance Standards

ATEX Directive 94/9/EC, OSHA Compliant, NFPA Recommended