

# Non-Sparking Safety Wrench Set

This set of non-sparking wrenches is designed for use in environments with explosive hazards. They are manufactured from alloys of either aluminum bronze or beryllium copper.



## Product Overview

# Products Description

High-quality, explosion-proof tools designed for safety in hazardous environments.

### Non-Sparking Safety Tools

These non-sparking safety wrench sets are engineered for use in potentially explosive and hazardous environments, such as oil, gas, mining, and chemical processing industries. Constructed using advanced die-forging techniques, these tools provide the necessary safety and durability to prevent ignition in the presence of flammable materials. The set is available in two specialized alloy compositions—Beryllium Copper and Aluminum Bronze—to suit specific operational requirements.

## Material Specifications

### Alloy Composition & Properties

Material	Hardness (HRC)	Tensile Strength (N/mm <sup>2</sup> )
Beryllium Copper (GBEx aC)	35-40	1117 - 1326
Aluminum Bronze (GBEx aB)	20-30	782 - 989

## Manufacturing Process

### Production Procedure

- Raw material preparation and blanking
- Smelting
- Pouring
- Water gap cutting
- Punching
- Drawbench or slotting
- PE plain end and chamfering
- Drilling
- Marking and finishing
- Heat treatment (for Be-bronze)
- Polishing and surface treatment

## Compliance & Standards

*Certifications*

Our manufacturing processes adhere to stringent safety and quality standards.

Certifications

ISO 9001, Explosion-Proof Certified