

# Non-Sparking Combination Pliers

These combination pliers are designed for use in potentially flammable and explosive environments. They are widely used in industries such as petrochemical, mining, gas stations and railways.



## Product Overview

### Safety-First Design

These non-sparking combination pliers are engineered for high-risk environments where flammable or explosive atmospheres are present. Crafted from a specialized copper-beryllium alloy, they provide essential protection against ignition risks in industries like petrochemicals, mining, and gas handling. Beyond their spark-proof capabilities, these tools are inherently non-magnetic and rust-resistant, ensuring durability and reliability in demanding industrial applications.

## Material Composition

### Composition Breakdown

Element	Percentage
Beryllium (Be)	1.8% - 2%
Nickel (Ni)	0.1% - 0.6%
Other Elements	< 0.6%
Copper (Cu)	Rest

Material	Copper-Beryllium Alloy (Be-Cu)
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## Technical Specifications

Hardness	HB283-365
Breaking Strength	112.5 kgf/mm2

## Key Features

### Safety Characteristics

Spark Proof • Non-magnetic • Rust Resistant

## Applications

### Recommended Industries

- Petrochemical Industry
- Mining
- Gas Stations
- Railway
- Aerospace
- Pharmaceutical
- Shipyards
- Laboratories
- Desalination Plants