

# 30-Piece Non-Sparking Tool Set

This 30-piece tool set is designed for use in environments with flammable or explosive hazards. It is widely used in industries such as petrochemical, mining, gas stations, and railways.



## Product Overview

### Professional Non-Sparking Tool Set

This comprehensive 30-piece tool set is engineered for safety in hazardous, flammable, and explosive atmospheres. Crafted from high-quality Copper-Beryllium alloy, these tools are designed to prevent accidental ignition while maintaining durability. Ideal for demanding industrial environments, this set provides a reliable solution for maintenance and operations in petrochemical, mining, and gas sectors.

## Material & Technical Specs

### Material Composition

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

### Mechanical Properties

**283 HB**

Hardness (Min)

**365 HB**

Hardness (Max)

**105 kgf/mm<sup>2</sup>**

Breaking Strength (Min)

**120 kgf/mm<sup>2</sup>**

Breaking Strength (Max)

## Key Features

### Safety Characteristics

Spark Proof • Non-magnetic • Rust resistant

## Applications

### Suitable Industries

- Petrochemical industry
- Mining operations
- Gas stations
- Railway maintenance
- Aerospace industries
- Clean rooms
- Pharmaceutical industries
- Shipyards
- Laboratories
- Desalination plants

## Usage Guidelines

### Operational Safety

These tools are specifically designed for dangerous areas where air is mixed with flammable substances, including gases, vapors, mists, or dust. In such environments, ignition sources must be eliminated to prevent the spread of combustion. Always ensure proper handling protocols are followed when using non-sparking equipment in high-risk zones.