

# Non-Sparking Brass Alloy Scoop Dipper

This non-sparking scoop dipper is made from a durable brass copper alloy. It is widely used in environments with flammable and explosive potential, such as the petrochemical industry, mining, and gas stations.



## Product Overview

### Professional Non-Sparking Scoop Dipper

This non-sparking scoop dipper is engineered for safety in hazardous environments where flammable or explosive atmospheres are present. Crafted from a specialized copper-beryllium alloy, it offers essential non-sparking, non-magnetic, and rust-resistant properties. Designed for reliability in industries such as petrochemicals, mining, and gas stations, this tool ensures safe material handling in critical applications.

## Material Composition

### Material Composition

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

### Material 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 Features

Spark Proof, Non-magnetic, Rust Resistant

## Applications

### Recommended Industries

- Petrochemical Industry
- Mining
- Gas Stations
- Railway
- Aerospace
- Clean Rooms
- Pharmaceuticals
- Shipyards
- Laboratories
- Desalination Plants

### Use Environment

Suitable for use in atmospheres containing mixtures of air and flammable substances, including gases, vapors, mists, or dusts where ignition could lead to rapid combustion.