

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

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| 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/mm2 Breaking Strength (Min) | 120 kgf/mm2 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.