

Non-Sparking Universal Joint Socket Adapter

This non-sparking universal joint socket adapter is made from copper beryllium. It is suitable for use in potentially explosive environments such as petrochemical plants, mines, and gas stations.



Product Overview

Professional Non-Sparking Universal Joint Adapter

This universal joint socket adapter is engineered for use in hazardous environments where flammable or explosive atmospheres are present. Constructed from a high-performance copper-beryllium alloy, it offers exceptional safety, non-magnetic properties, and rust resistance. Designed to provide access to fasteners at difficult angles, this tool is an essential component for maintenance operations in petrochemical, mining, and other high-risk industrial sectors.

Technical Specifications

Material Composition

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

Material Properties

283 HB

Min Hardness

365 HB

Max Hardness

105 kgf/mm²

Min Breaking Strength

120 kgf/mm²

Max Breaking Strength

Key Features

Safety Characteristics

Spark Proof • Non-magnetic • Rust Resistant

Recommended Industries

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

Product Details

Drive Compatibility

1/2 inch, 3/4 inch