

Non-Sparking Hex Key Wrench Set

These non-sparking tools are essential for use in hazardous environments with flammable vapors, liquids, and dust. The wrenches prevent sparking when struck or rubbed in explosive atmospheres.



Overview

Non-Sparking Hex Key Wrench Set

These non-sparking hex key wrenches are essential tools designed for hazardous environments where flammable vapors, liquids, gases, or dusts are present. Ideal for industries such as petroleum, chemical processing, power generation, and mining, they are engineered to prevent sparking during impact, rubbing, or collision. Available in Beryllium Copper and Aluminum Bronze alloys, these tools offer a safe and reliable solution for maintenance in explosive atmospheres.

Technical Specifications

Manufacturing Method	Casting Or Forging
Surface Finish	Mirror Polished
Color	Nature
Certifications	ISO9001, UKAS

Material Properties

Hardness Rating

Material	Hardness
Aluminum-Bronze	25HRC
Beryllium-Bronze	35HRC

Alloy Composition

- Beryllium Bronze: Al: 0.15%, Fe: 0.15%, Si: 0.15%, Ni: 0.2-0.4%, Ti: 0.1-0.25%, Be: 1.8-2.0%, Cu Other: 0.6%
- Aluminum Bronze: Al: 9-10%, Mn: 3-5%, Fe: 3-4%, Ni: 5%, Cu Balance
- Copper Alloy: Al: 9%, Co: 8%, Ni: 2-3%, Cu Balance

Key Features

Product Benefits

- Simple and lightweight design for easy handling
- Designed for tightening screws in recessed holes
- Torsional force determined by wrench diameter and length
- Cost-effective manufacturing
- Dual-ended usability

Available Sizes

Hex Key Diameter

Item No.	Diameter (mm)
101	3
102	4
103	5
104	6
105	8