

Non-Sparking Hand Cutting Shears

These hand cutting shears are constructed from aluminum copper alloy or beryllium copper alloy. The non-sparking tools prevent sparks when striking, rubbing, or colliding with targets in explosive atmospheres or flammable vapors.



Product Overview

Safety-First Cutting Solution

These non-sparking hand cutting shears are engineered to prevent ignition risks in hazardous environments, such as those with flammable vapors or explosive atmospheres. Crafted from specialized aluminum copper or beryllium copper alloys, they provide essential safety for industries like petroleum, chemical processing, and mining. With a robust design and mirror-polished finish, these tools combine durability with the critical safety features required for high-risk industrial operations.

Technical Specifications

| | |
|-------------------------|-----------------------------------|
| Tool Size | 150 mm |
| Material Options | Aluminum Bronze, Beryllium Bronze |
| Surface Treatment | Mirror Polished |
| Manufacturing Technique | Casting or Forging |

Performance Metrics

Hardness

25 HRC

Aluminum Bronze

35 HRC

Beryllium Bronze

Tensile Strength Comparison

| Material | Strength |
|------------------------|-----------------------------|
| Aluminum-Copper Alloy | 75-85 kgf/mm ² |
| Beryllium Copper Alloy | 105-120 kgf/mm ² |

Compliance & Usage

Primary Applications

- Petroleum Industry
- Chemical Industry
- Power Generation
- Railroad
- Mining

Certifications

ISO 9001 • UKAS