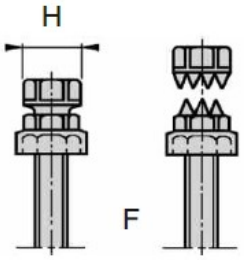
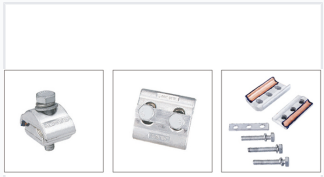
Aluminum Copper Bimetallic Parallel Groove Clamp

Parallel groove clamps are designed for connecting aluminum to aluminum, copper to copper or aluminum to copper conductors. They are constructed from high-strength aluminum alloy and bimetallic materials to ensure reliable electrical conductivity and corrosion resistance.



ADDITIONAL IMAGES



Overview

High-Performance Bimetallic Connectivity

The Aluminum Copper Bimetallic Parallel Groove Clamp is engineered for high-strength connections between aluminum and copper conductors in power distribution systems. Constructed from premium aluminum alloy and bimetallic materials, it ensures superior electrical conductivity while preventing galvanic corrosion. Its compact design facilitates easy installation and provides a secure, durable connection for demanding transmission applications.

Technical Capabilities

Application Scope

- Electrical power distribution
- Transmission systems
- Dissimilar metal joining

Conductor Compatibility	Aluminum to Aluminum, Copper to Copper, Aluminum to Copper

Material & Construction

Material Composition

High-strength Aluminum Alloy • Bimetallic Interface

Corrosion Resistance	Yes

Design Features

Key Features

- Compact design for space efficiency
- Easy manual installation
- Secure and durable fastening
- Reliable electrical conductivity

Fastening Mechanism	Threaded shaft with multi-faceted head for secure adjustment