

Price of Original Busbar Expansion Joints



Overview

QTY:1 Thick 4xWide 40xLong 290mm Transformer Busbar Expansion Find many great new & used options and get the best deals for QTY:1 Thick 4xWide 40xLong 290m.

Key Takeaways

Standard copper busbar expansion joints typically range from \$50 to \$500 per unit, depending on size, material, and manufacturing specifications. Price Range and Factors

The cost of busbar expansion joints varies widely based on several key factors:

- **Material:** Copper (ETP or OFHC) is more expensive than aluminum due to higher conductivity and durability, while copper-clad aluminum (CCA) offers a mid-range option .
- **Size and Current Rating:** Larger cross-sections or higher current ratings require more material, increasing cost. Industrial busbars often follow the "1000A per square inch" sizing rule, which affects joint dimensions and price .
- **Manufacturing Process:** Expansion joints can be made via molecular diffusion welding, lamination, or riveting, with optional surface plating (nickel or silver) to enhance corrosion resistance. More complex processes increase unit cost .
- **Configuration:** Flexible foil, flat bar, or plate formats, as well as insulated versus bare joints, influence pricing .

- **Supplier and Location:** Factory-direct sourcing from China (e.g., Wuhan Hwanai, L&R Electric, Yonggu Group) can offer lower prices, while local distributors may include shipping, import duties, and markup .

Typical Price Examples

- **Small standard copper expansion joints** (for low to medium current applications): approximately \$50–\$150 per unit.

- **Medium to large industrial joints** (high-current switchgear or battery modules): approximately \$150–\$350 per unit.

- **Custom or high-specification joints** (silver-plated, high-flexibility, or insulated): can reach \$400–\$500 or more per unit .

Cost-Saving Tips

- **Bulk Orders:** Purchasing in larger quantities reduces per-unit cost.
- **Material Choice:** Aluminum or CCA joints can lower costs if high conductivity is not critical.
- **Standardization:** Using standard sizes and avoiding custom configurations minimizes tooling and setup fees.
- **Supplier Comparison:** Evaluate multiple manufacturers and request transparent pricing that separates material, labor, and logistics . In summary, while prices fluctuate with raw material markets and supplier location, standard copper busbar expansion joints generally fall between \$50 and \$500 per unit, with exact pricing determined by material, size, manufacturing process, and customization requirements .

Article Content

MGS bus bar expansion joint_Huadong Cable Group

Introduction 1. Bus bar support, the general term for fixing and hanging hardware accessories of hard bus. 2. Bus bar separator shall

MGS tubular bus bar expansion clamp_Huadong Cable Group

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

