Hybrid Aluminum/Stainless Steel Conductor System

HJ-Bar combines the high conductivity of aluminum with the corrosion resistance and durability of a stainless steel cap into a single conductor bar. Unlike other aluminum/steel designs that use aluminum conductors bolted to standard steel rail to improve electrical performance, HJ-Bar optimizes the aluminum/steel electrical interface through a proprietary manufacturing process that provides continuous contact pressure along the entire length of the rail. This design results in a lightweight, durable and low-maintenance conductor rail.

Features

• Patented manufacturing process ensures low electrical resistance between aluminum and stainless steel components through continuous contact pressure
• Full range of standard components including hangers, anchors, feeders, splice joints, expansion joints, isolation joints and collector assemblies
• Service-proven stainless steel cap design yields high strength without shifting or peeling from the aluminum bar, even under extreme loads
• Hard 3/16" thick stainless steel running surface for extended life under continuous use
• Systems are engineered to customer specifications, including system layout and installation support
• No cleaning or conditioning of the conductor surface required for infrequent use situations

Project Engineering and On-Site Installation Support

TransTech’s engineers custom-configure our products and systems to meet each customer’s unique application requirements. We provide on-site technical installation support and layout drawings to our customers and their installation teams.

Moving Electrification Forward
Coke Oven Door Machine

The Leaders In Power Transfer Technology

TransTech is a subsidiary of Fandstan Electric, a global group of companies focusing on energy transfer systems with installations in over 100 countries. Working synergistically with our European sister companies such as Brecknell-Willis, Stemmann and AKAPP, we are able to leverage a broad product portfolio and a wealth of technical expertise. Our goal is to better serve our power transfer markets by continuing to provide solutions that improve product life, performance, and reliability.

Specifications

- 1750, 4000 and 6000 amp capacities available
- AC or DC voltages up to 4160V based on insulator selection
- 30 foot standard rail lengths, custom lengths available
- Compatible with the corresponding ‘H’ and ‘HC’ conductor bar system components
- Suitable for top-running, under-running and side-running installations, with both tracking and non-tracking collectors