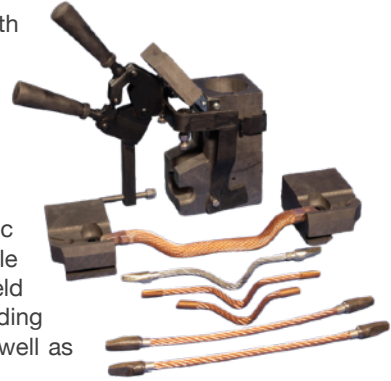


QUIKBOND[®]

Railways Track Signal & Power Connections

American Railways[™], a US Rail[™] company, combines decades of railway leadership with cutting-edge welding and connectivity technologies to create efficient, productive, and reliable rail signaling and power bonding systems to support global railway ecosystems. We have pioneered signal & power track connections and welding innovations to support electric and high-speed trains applications with efficient, low-cost signal & power connections, as well as negative returns paths for transit and electric train systems worldwide.

Our signaling system consists of signal wires and welding techniques to complete electric circuits. On every train and rail crossing, you can rely on our connectivity solutions for reliable and efficient signaling and lighting systems. Supported with high yield graphite molds and weld metal powder, we provide complete kits and solutions for all railway bonding and welding applications. We also provide full exothermic welding solutions for railway power stations as well as grounding solutions to electric train, third rail, and overhead contact systems.



EXOTHERMIC WELDS - UNSURPASSED RELIABILITY

Ever-demanding railway and transit application require constant reliability 24 hours a day, 365 days a year. Exothermic welded connections provide the highest level of reliability and performance, which is unsurpassed by other connection types.

QUALITY ASSURED - INDUSTRY APPROVED

QUIKBOND[®] connections will withstand repeated fault currents, exposure to harsh environments and direct burial. QUIKBOND[®] is an industry-approved product and surpasses all major international standards including IEEE[®] Standard 837. Exothermic welded connections also meet the requirements of AREMA[®] standards and practices. QUIKBOND[®] connections are in use today by most of the largest railway companies worldwide.

FIELD TESTED - PERFORMANCE PROVEN

Our multi-layer foil packaging ensures the weld metal is protected from moisture and contaminants during storage and transport. Factory fresh material is guaranteed in every package. Our graphite molds average up to **100 connections**. Innovative designs enable better results, faster installations and lower labor costs.

EXCEPTIONAL CUSTOMER SERVICE - SUPERIOR RESULTS

We strive to provide each customer with exceptional attention and service. Special requests, custom designs and drop shipments to your job site are gladly accommodated. Complementary safety training on proper product usage is also available. We look forward to serving your needs.



QUIKBOND[®] **SIGNAL BOND (SBX) & POWER BOND (PBX) CONNECTIONS**

Our SBX and PBX welding kits are our newest and unsurpassed innovations that provide a steel bar welded to the copper signal & power wires that subject the rail steel track to a minimum heat-affected zone using a simple portable welder that will never undermine the rail integrity. The connection sectioned photo to the right shows the molecular weld fused between the steel and copper as well as the deep penetration of the copper welded into the steel. Unlike crimped or mechanical connections, the interior of an exothermic weld is a solid copper mass impervious to weather or chemical corrosion. These products are pre-welded in-house to be applied to the rail directly via simple arc weld with minimum heat-affected zone that never undermines the steel rail integrity.



MECHANICALLY STRONGER - EASY TO INSTALL

The SBX/PBX bonds have extremely high mechanical strength by virtue of the large weld cross-section. The entire interfacing surface is welded to the steel rod terminal. Installation is easy using the traditional welding techniques. The low profile design enables these bonds to be installed tightly against the rail with no interference to rolling stock.

ELECTRICALLY SUPERIOR - MORE ECONOMICAL

An additional benefit of the exothermically welded terminal ends, is that the SBX/PBX bonds enable the use of smaller cross section of wires. This will lead to more economical costs and easier installation. Bonds of various wire sizes and lengths are available. Please inquire with your specific requirements and we will be glad to assist.



WE ARE A SUSTAINABILITY ON TRACK[™] COMPANY

SAFETY & IP NOTICE

WARNING: AMERICAN RAILWAYS[™] and US RAILWAYS[™] products shall be used only as illustrated and recommended in the product instruction sheets (additional instruction sheets are available at www.AmericanRailways.com and www.usrailways.com). Misuse or misapplication may cause failure resulting in possible property damage or bodily injury. Information provided is subject to change without notice. U.S. Patent Pending, USPTO Application No. 63/805,289. AREMA[®] is a registered trademark of American Railway Engineering and Maintenance-of-Way Association. US RAIL, US RAILWAYS, AMERICAN RAIL, AMERICAN RAILWAYS, US TRAINS, AMERICAN TRAINS, AUTRAI, QUIKWELD, QUIKREPAIR and QUIKBOND are trademarks of AMERICAN RAILWAYS[™] COMPANY.

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us@usrailways.com

AMERICAN RAILWAYS
A US RAIL COMPANY

50 CALIFORNIA STREET, FLOOR 15
SAN FRANCISCO, CALIFORNIA 94111, USA

www.AmericanRailways.com

www.USRailways.com

Phone +1 (213) 973 - 4000