



THINK ZINC™

NOT ALL ZINC IS CREATED EQUAL.

Material selection matters.

Bridgeport zinc alloy fittings provide a proven alternative to zinc-plated steel with corrosion resistance, dimensional consistency, and reliable installation performance. Designed to meet the same application requirements as steel fittings under UL514B standards, Bridgeport zinc alloy products deliver the performance professionals expect while offering distinct material advantages.



WHY THINK ZINC?



Corrosion Resistant

Zinc alloy provides inherent corrosion resistance without relying on plated steel construction.



Consistent Quality

Dimensional consistency helps support reliable fit, function, and installation performance.



Code Compliant

Bridgeport zinc alloy fittings meet the same application requirements as steel fittings under UL514B standards.



Proven Material Choice

Federal specifications, ASTM standards, and third-party certifications recognize zinc alloy as an accepted material.

UNDERSTANDING THE DIFFERENCE

ZINC ALLOY

Homogeneous zinc alloy construction

Does not rely on applied plating

Inherently corrosion resistant

Consistent casting and manufacturing tolerances

ZINC-PLATED STEEL

Steel substrate with zinc coating

Corrosion protection depends on coating

Different performance characteristics

Performance tied to coating condition



American Manufacturing. Proven Performance.

Bridgeport supports customers with a robust portfolio of U.S.-manufactured products, backed by continued investments in manufacturing, inventory, and product availability.



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ZINC ALLOY

WHY MATERIAL SELECTION MATTERS

The right fitting starts with the right material.

While steel remains a common choice, many applications benefit from the properties of zinc alloy. Corrosion resistance, dimensional consistency, and reliable installation performance are reasons contractors, distributors, engineers, and specifiers continue to choose Bridgeport zinc alloy fittings.

ZINC ALLOY WHISKERS

DATA CENTERS ARE TAKING A CLOSER LOOK

Recent industry discussions have increased awareness of zinc whiskers associated with electroplated zinc coatings.

Bridgeport zinc die cast fittings are manufactured from a homogeneous zinc alloy and do not rely on an electroplated zinc coating. As outlined in **Zinc Die Cast vs. Zinc-Plated Steel: A Data Center Perspective** case study, zinc die cast products are not considered a zinc whisker risk mechanism.

SCAN TO READ
*Zinc vs. In-Plated
Steel: A Data Center
Perspective case study*



THINK ZINC™

When performance, corrosion resistance, and long-term reliability matter, consider the advantages of Bridgeport zinc alloy fittings.

Bridgeport® Fittings | nsiindustries.com/bridgeport

COMPLIANCE & MATERIAL STANDARDS

Bridgeport zinc alloy fittings conform to recognized material specifications and industry standards for conduit, tubing, and cable fitting applications.

UL514B

Standard for Conduit, Tubing, and Cable Fittings.

Federal Specifications

A-A-50552

Fittings for cable and rigid or flexible metal conduit.

A-A-50553

Wet location and concrete tight fittings for Rigid Metal Conduit and Electrical Metallic Tubing.

A-A-50563

Conduit bodies and entrance caps.

NEMA Standard FB-1

Fittings and Conduit Bodies for Conduit, Tubing, and Cable.

NEC Application Requirements

National Fire Protection Association, NFPA 70
National Electrical Code (NEC).



SCAN
to explore zinc
alloy solutions.



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