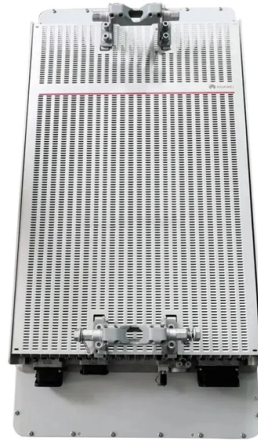


Arch Bridge Cover Plate



Overview

Fast, Easy, Low-Cost Installation with Proven Durability. MULTI-PLATE structures, consisting of field bolted galvanized steel plates, have a long history of strength, durability and economy. The structures offer high combined live and dead loads and are well-suited for deep. BRIDGE-PLATE Deep Corrugated Structural Plate (DCSP) is one of the strongest structural plate products on the market today with the deepest corrugation profile possible. It allows an economical construction of long span soil-steel structures in arch, ellipse, round and box-culvert shapes. TE®, BridgeCor®, and Steel EXPRESS®. Spans range from 4 m to 18 m. Structural Plate Arches are an economical option for culverts and small bridges, optimized for low cover heights and increased hydraulic capacity during low flows. Suitable for various burial depths, it mimics the appearance of a stone arch bridge with a strategic modular headwall and natural. Choose ultra-deep-corrugated Ultra-Cor for larger applications like highway tunnels and overpasses. An Ultra-Cor highway overpass can span more than six lanes. One of ALL's latest innovations, Ultra-Cor Structural Steel Plate is taking engineered buried arch bridges to new dimensions in capability. Bridge Structure Arch Culverts offer a robust and reliable solution for infrastructure projects, combining high-strength materials and advanced design to provide durable, long-lasting drainage systems under bridges and roadways.



Article Content

Hot

BridgeCor Structural Plate by Contech

Bridgecor Structural Plate allows designers to convert traditional bridges into more economical buried bridges by clear spanning up to 65".

Oct 01, 2025 Hot

Structural Plate Pipe & Arches - Lane Enterprises

Structural Plate Arches are an economical option for culverts and small bridges, optimized for low cover heights and increased hydraulic capacity during low flows. Suitable for various burial depths, it

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Dur-A-Span Buried Aluminum Bridges and Culverts

Aluminum buried arch bridges and culverts that will last over 75 years. Made from solid aluminum alloy structural plate, corrosion/abrasion-resistant Dur-A-Span is

Feb 18, 2026 Hot

Plate Bridge and Structure Products by Contech

Contech aluminum and steel structural plate products are designed for rapid assembly and low installation costs for small bridges, culverts, underpasses,

Jan 12, 2026 Hot

Deep corrugated structural plate for bridge, culvert and tunnel ...

BRIDGE-PLATE® providing for the economical construction of long span soil-steel structures. Available in arch, ellipse, round and box-culvert shapes structures are pre-engineered to make the selection

Oct 30, 2025 Hot

Bridges and Structures

Bridges and Structures Structural plate is a durable and cost-effective alternative for the construction of short span bridges and water crossings. Lightweight and versatile, steel components are easy to ship

Jan 02, 2026 Hot

Corrugated metal sheet

Bridge-Plate is available in arch, ellipse, round and box-culvert shapes. Spans range from 4 m to 18 m, with larger structures custom made. Structures are assembled

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Structural Design of Corrugated Steel Pipe, Pipe-Arches, and Arches

1.1 This practice covers the structural design of corrugated steel pipe and pipe-arches, ribbed and composite ribbed steel pipe, ribbed pipe with metallic-coated inserts, closed rib steel pipe, composite

Jun 12, 2026 Hot

MULTI-PLATE Pipe-Arch and Underpass Assembly & Installation Guide

sembly and installation of a Contech MULTI-PLATE® (MP) structure. Prior to assembly, reference any assembly drawings provided, these guidelines, the Structural these instructions are enclosed in a

Jun 30, 2026 Hot

TruePlate™ Structural Pla

Many drainage and bridge applications exceed the size and design limitations of standard corrugated metal pipe. In these cases, structural plate can provide a solution by offering larger sizes, heavier

Oct 08, 2025 Hot

Reinforced Corrugated Steel Structure Plate Arch Culvert

Reinforced Corrugated Steel Structure Plate Arch Culvert combines the strength of steel with the flexibility of corrugated plates, designed to provide durable and

Feb 22, 2026 Hot

Structural Plate Pipe Arch | Bridge Alternative Systems

Structural Plate Pipe Arch Systems (Corrugated Metal Structural Bridge Alternative) Engineering Solutions Our structural plate pipe arch designs provide optimized

Sep 26, 2025 Hot

Arch Bridges and Vaults | Springer Nature Link

Arches and vaults are minimal structures, and basic calculation methods are provided for them. Pearl-chain bridges and vaults are introduced, and a bridge is build based on the technology.

Jul 02, 2025 Hot

MULTI-PLATE Arch Assembly & Installation Guide

The following is a guideline for the assembly and installation of a Contech MULTI-PLATE® (MP) structure. Prior to assembly, reference any assembly drawings provided, these guidelines, the

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Structural Plate Pipe Arch | Bridge Alternative Systems

Engineered structural plate pipe arches (corrugated bridge systems) for high-flow drainage & infrastructure. 90+ year design life. Download

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Franklin Brass Soft Arch (3-Pack) Decorative Light Switch ...

Product Description The Franklin Brass Soft Arch oversized switch plate covers offer style and functionality. Use these jumbo sized wall plates for covering holes, cracks, chips, and imperfections.

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Bolt-A-Plate® Bridge Replacement & Culvert Solutions

Discover Bolt-A-Plate®—a durable, cost-effective alternative for bridge replacement and culvert applications. Ideal for underpasses, fishways, stream enclosures &

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Plate Girder Bridges – Details and Design Requirements

Recent developments in optimum design methods allow direct design of girder bridges, considering minimisation of weight/cost. Fig.1 Common types of plate

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MULTI-PLATE

Developed over 75 years ago, MULTI-PLATE is available in spans to 26 feet, and can be arranged and curved to make a variety of shapes including pipe, pipe-arch, horizontal and vertical ellipses, arches

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Structural Plate, Arch Pipe and Aluminum Structures

Developed over 75 years ago, MULTI-PLATE is available in spans to 26 feet, and can be arranged and curved to make a variety of shapes including pipe, pipe-arch, horizontal and vertical ellipses, arches

Jul 04, 2025 Hot

Arch bridge | Definition, Mechanics, Examples, History,

Arch bridge, bridge in which the main supporting elements are arches. Arch bridges can be made of stone, concrete, iron, or steel and typically require less material

Sep 09, 2025 Hot

Bridge Structure Arch Culvert with Steel Frame Support

The medium-sized bridge and culvert structure features an outer layer made from corrugated steel plates. The plates are carefully selected for their durability, and

Oct 03, 2025 Hot

Structural Plate Design Guide 9 Edition

If flow is to be particularly abrasive, the designer should consider a natural invert (arch or buried invert), heavier invert plates, an aluminum structure, or applying a paved invert to aid in the long-term

Aug 15, 2025 Hot

Multi Plate Corrugated Steel Structural Plate Arch Culverts

Corrugated Steel Arch Culverts, also known as Structural Plate Arch Culverts, offer a robust and cost-effective solution for various drainage and structural applications.

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Structural Plate Design Guide 9 Edition

Outline of Typical Design Steps The following steps describe a basic, typical procedure for designing a structural plate bridge or culvert but are not intended to represent all possible considerations that a

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Ultra-Cor Buried Metal Bridges and Tunnels

Ultra-Cor galvanized steel plate combines all the advantages of lightweight construction with previously unheard-of strength and durability to create the

Jul 23, 2025

Contact Us

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