

## Bridge trusses for bridge construction



### Overview

Trusses are commonly used as roof or bridge structures. But there are so many different types. Read more to pick the right type.



## Bridge trusses for bridge construction



The load can be supported on a bottom truss, which is located beneath the main truss construction, along the middle (through truss), or above (deck truss). ...



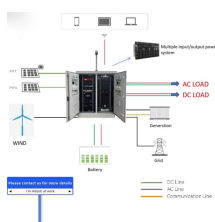
The purpose of a truss is to help a bridge support a load (car, train, person) from any point along the span of the bridge. Without a truss, you simply have a beam bridge.



Most bridges of this design have trusses placed both above (where construction is placed under compression) and below (where the bridge is placed under tension) the main decks of the bridge.



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There are several types of truss bridges, including some with simple designs that were among the first bridges designed in the 19th and early 20th centuries. A truss bridge is economical to construct ...



The Warren truss, the Modified Warren truss, and the Pratt truss are the three major truss configurations in use today, and they can all be employed as an underslung truss, a semi ...



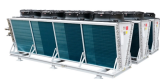
Learn what a truss is in construction, how it works, and the most common types of trusses used in engineering, from Pratt and Warren to Fink and Scissors.



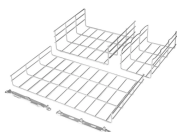
In this article, we will explore the key differences among these three truss types and their specific use cases, helping to understand their engineering relevance.



A truss bridge is a structure designed with a rigid framework made of interconnected triangles, which helps evenly distribute forces across the bridge. This geometric arrangement ...



Trusses are popular because they use a relatively small amount of material to carry relatively large loads. The arch bridge carries loads primarily by compression, which exerts on the foundation both ...



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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.indzawo.co.za>

Email: [sales@indzawo.co.za](mailto:sales@indzawo.co.za)

Phone: +27 71 296 8473

Address: 22 Quantum Street, Midrand, 1685, Gauteng, South Africa

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