



ModTruss<sup>TM</sup> INC

## ***Engineering***

Because of the 6 axis connectivity and thus limitless configurations, we could run load tables forever.

The published ModTruss load tables were created specifically to answer “How does ModTruss compare to other trusses on the market?”

The ModTruss 12” series truss is more comparable to a 20.5” utility truss of other aluminum truss lines.

Load tables were produced by 3 separate independent engineering firms.  
Published data is the lowest load rating of the 3 studies less 10% safety factor

# MODULAR TRUSS SYSTEMS



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## ***Accessories***

ModTruss lends itself to limitless accessories and it's these individual accessories that bring the product line to life.

Bolt-holes in accessories naturally are the same pattern as the truss to connect every 3 inches.

ModTruss welcomes new ideas and is an open source company in regards to accessories.





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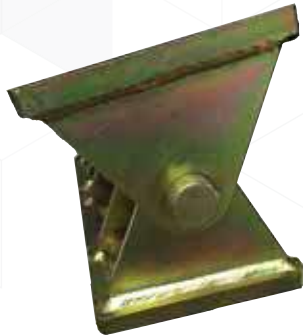
## ***ModTruss Hinge Series***

### ***180° Hinge***

ModTruss 180° Hinges allow the Truss Series or other components to pivot a full 180°, or any angle in between, while maintaining a full 12" or 6" clearance at all times.

Additional Hinge Links can be incorporated to create a rigged angled design.

Durable steel construction allows for multiple uses. When used as hinge halves, the 180° hinge half can be used as a strong rigging point or incorporate the Single-Axel and create a steering option.





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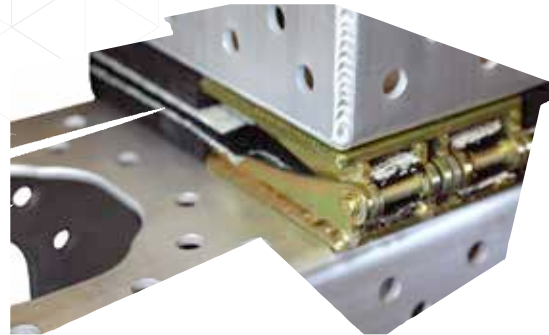
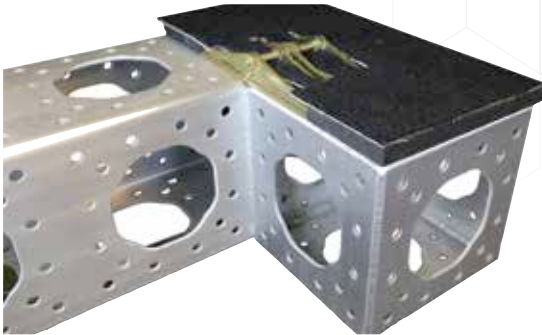
## ***ModTruss Hinge Series***

### ***Flush Hinge***

The ModTruss Flush Hinges have a very limited profile in both the open and closed position, which allows for easy 180° movement in tight, highly visible areas.

The Flush Hinge creates a level transition between the Truss Series when in the full open position.

Unlike a traditional piano hinge, the ModTruss Flush hinge when folded flat, maintains a protective space of 1¼" to contain material.





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## ***Joist Hangers***

Designed for reuse, the ModTruss Joist Hanger allows traditional wood framing to be incorporated into ModTruss structures; 12" and 6" truss.

Current Joist Hangers designs allow any joist size to be manufactured.

All necessary holes including through bolting, nailing and screws are incorporated in the Joist Hanger design.

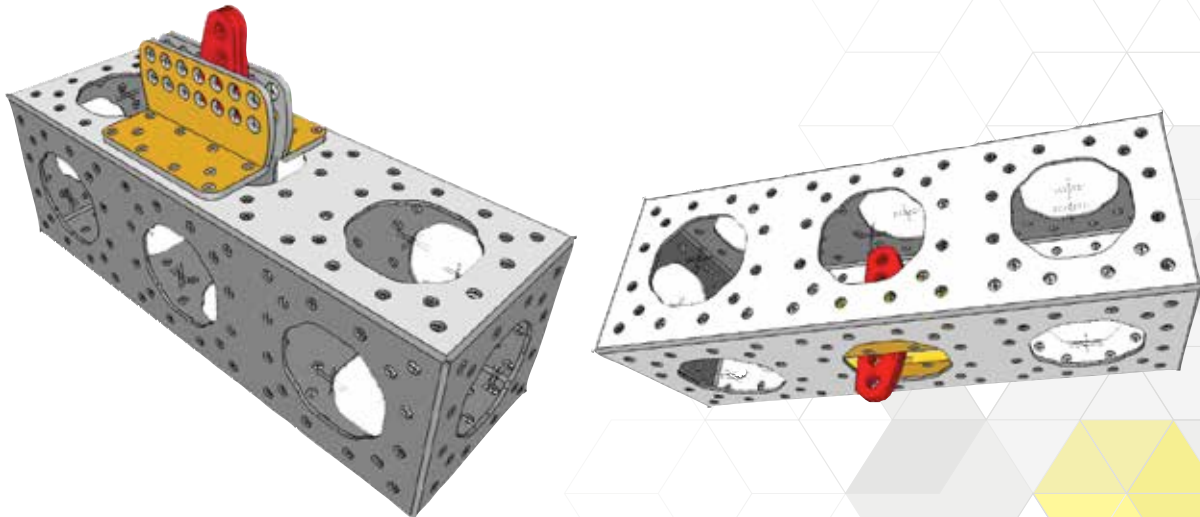




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## ***ModTruss Universal Mount & Biscuit***

The Universal Mount is a multi-purpose 90° angled accessory to create internal and external rigging or push/pull points. When combined with one of the Universal Biscuits any and all rigging geometries can be achieved making this combination the “Go To” accessory in the ModTruss product line.

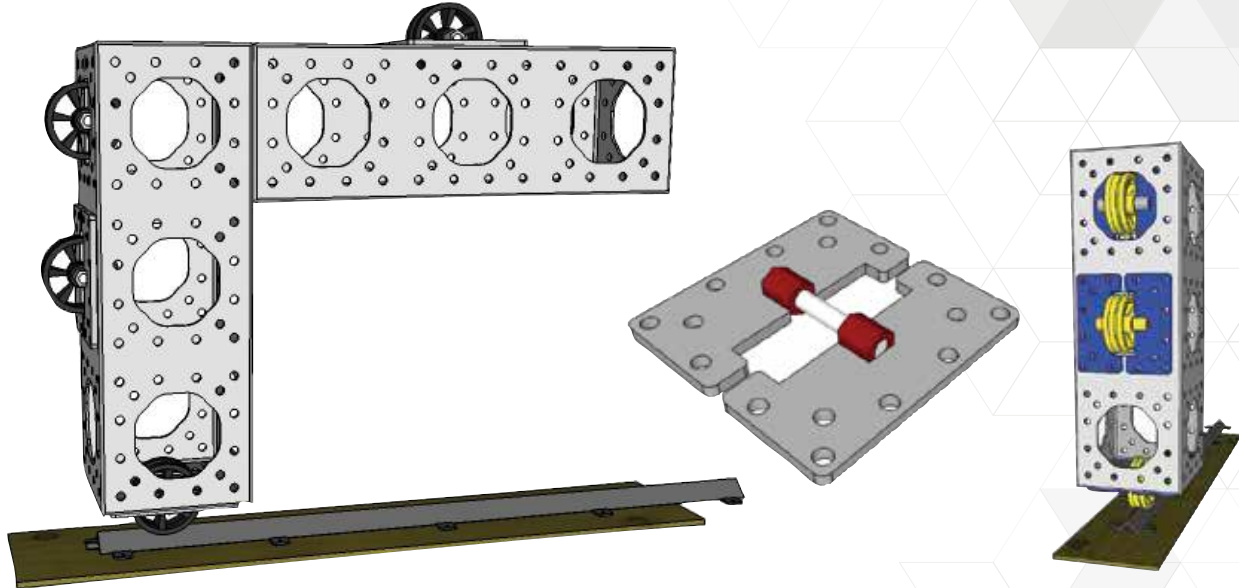




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## ***ModTruss Axel Mount***

The Axel Mount consist of two axel plates that create a shaft to affix any variety of rotating wheels, gears or sheaves to the Truss Series. The Axel Mount can be mounted outside or inside the truss for optional clearances.





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## ***ModTruss Sleeve Blocks***

The ModTruss Sleeve Blocks are modified Truss Series with internal mounted wheels to create linear movement of both horizontal and vertical directions for a truss structure. The 18" sleeve blocks ride over the 12 Truss Series and the 12" Sleeve Block rides over the 6" Truss Series.

A ModTruss advantage over traditional sleeve blocks is that once in place, a ModTruss sleeve block has the ability to be bolted or blocked back to the truss it is riding over, making the structure rigid.

Additionally, a unique third option available is the ModTruss Corner Sleeve. The 12" Corner Sleeve allows movement along a support structure of any size.





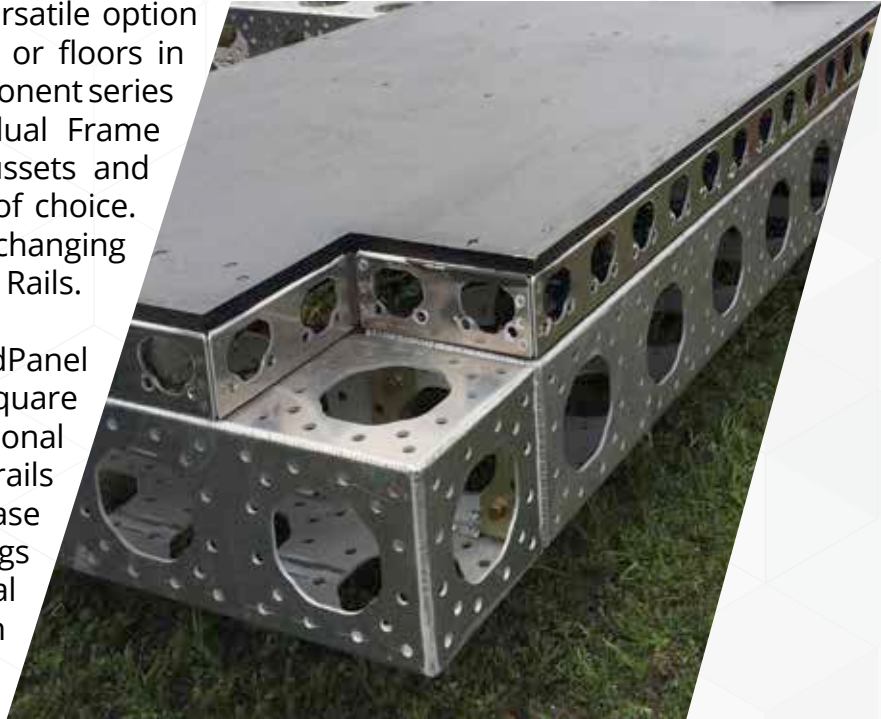


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## ***ModPanels***

The ModPanels are a versatile option to create walls, ceilings, or floors in any size. This multi-component series is created using individual Frame Rails, Corner Plates, Gussets and 1" plywood or material of choice. Customize sizes by interchanging varying lengths of Frame Rails.

Fully assembled, the ModPanel offers 150lbs per square foot load rating. Additional intermediate support rails can be added to increase the overall load ratings needed for each individual project. ModPanels can be mounted on or in between the truss series.

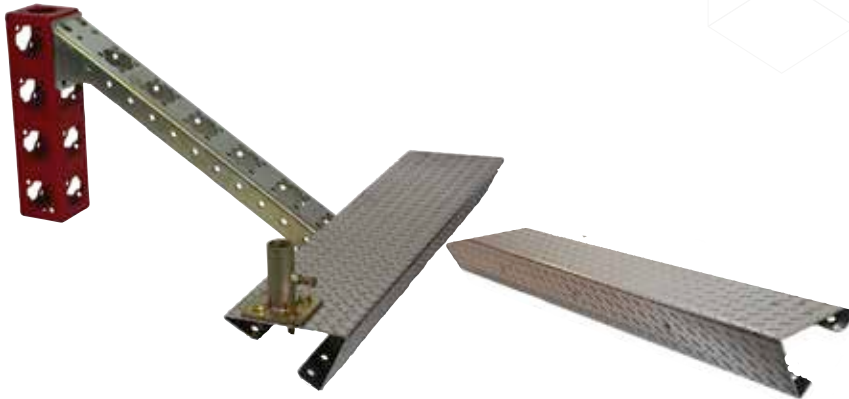




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## ***ModStairs and ModStair Stringer***

The ModStair and Stringer is a fully modular stair system meeting Permanent Building Code. The 48" single stair tread is made of a non-slip diamond plate aluminum material and can be bolted every 6" to a Stringer or 12" Truss. Every ModStair tread accepts a 6" pipe adapter for adding rigged handrails. Predrilled holes in the base of the stair tread allow for snap-in lighting. For longer lengths, incorporate a 12" Truss Series bolted to the inside of the Stringer and can create any length stair system needed.





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## ***ModHandrails***

The decorative or metal ModHandrails provide additional safety to elevated platforms and structures. The ModHandrails mount directly to the Truss Series and are customizable to fit any needed size. When mounted with the ModTruss Vertical Support Mount, the ModHandrail will meet Permanent Building Code Compliance.



***MLB Network - 2014 World Series***



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## ***ModTruss Pipe Adapters Series***

The ModTruss pipe adapters allow pipe of various size diameters to interface with the 12" and 6" truss on both the inside and outside of truss.

Common uses of pipe with truss include attaching pipe for lighting products and interfacing ModTruss with traditional scaffolding products.

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