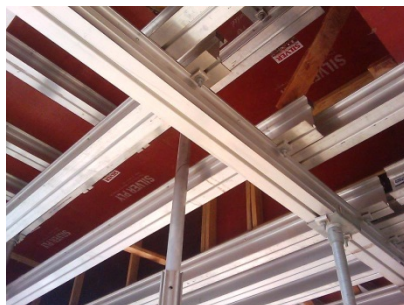


Experience



the Hi-Lite Advantage

ALUMINUM BEAM



The Aluminum Beam is the most versatile and widely used element in all shoring and formwork applications. In Shoring, it is used as the joist and stringers on top of our various frame systems, as well as the joist for our fly forms systems. For wall forming, the beams are used as joist either in a vertical, or horizontal configuration, while our strongbacks complete the system by providing the backbone of the formwork, allowing tie-rod connections to be made.

Barry & Dave Jackson

HI-LITE SYSTEMS



BY USING HI-LITE ALUMINUM BEAMS AND STRINGERS IN ALL YOUR PROJECTS, YOU CAN REDUCE BOTH LABOR AND MATERIAL COST – IN SIGNIFICANT AMOUNTS.

HI-LITE Aluminum Beams have many advantages over competing beams. Our designs save time on the job and reduce maintenance. Please contact our Engineering department for load charts and capacities. Generally speaking, HI-LITE beams carry more load and usually cost less.

HI-LITE Beams are made from high grade structural alloy 6351-T6, which has greater strength than 6061-T6 alloy. Reinforced side flanges resist bending and retain beam clips. Employees spend less time repairing and more time working.

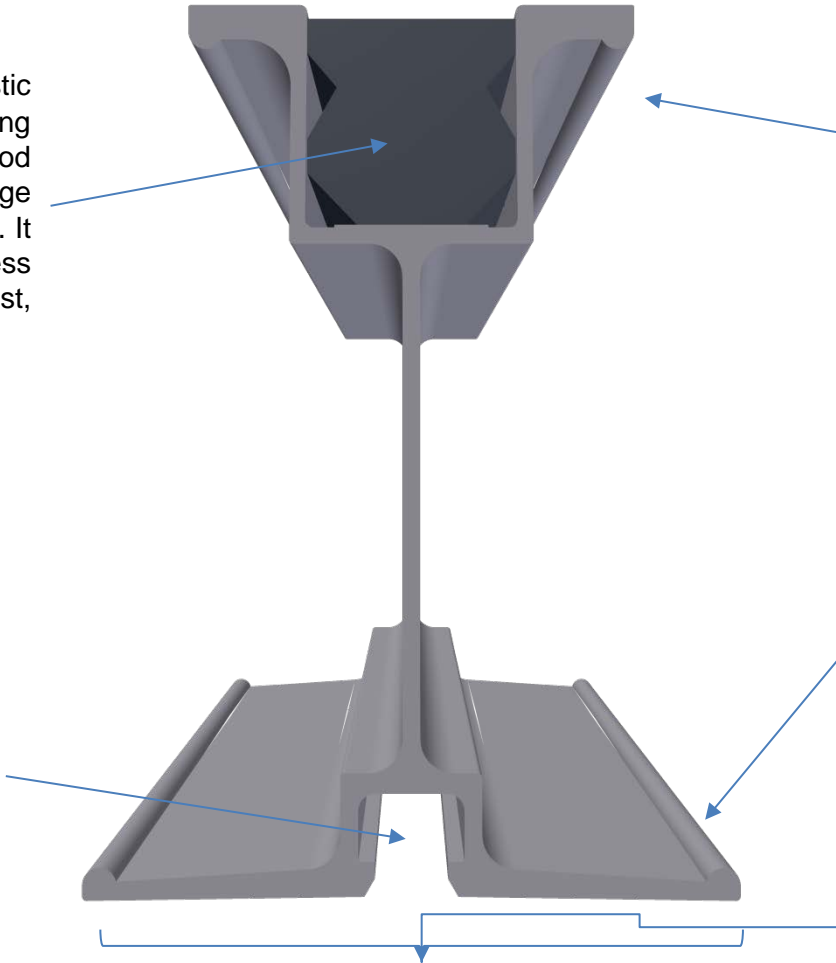
Bevels on T-bolt slots provide for fast alignment of T-bolt components. Rapid assembly moves the project ahead, overcomes unforeseen delays quickly.

PRODUCT HIGHLIGHTS:

- Eliminate up to 1/3 of the horizontal members and as much as ½ of the vertical support, using aluminum beams instead of wooden ones.
- Reduced weight of each beam combined with fewer structural members minimizes worker strain. Lower worker fatigue means higher worker efficiency and lower cost.
- All beams are available in standard lengths of 8', 9', 10', 10'6", 12', 14', 16', 18', 20', and 21' with plastic or wood inserts.
- All beams can be specially ordered in almost any length, up to 12 meters (39 feet) to suit the inside dimensions of an ocean-going container, or even longer if this is not a restriction.

MORE VERSATILE: Plastic or wood insert allows for nailing or screwing down plywood decking. Less subject to damage than wooden beams. Reusable. It all adds up to less inventory, less storage, lower transportation cost, and lower carrying costs.

MORE ECONOMICAL: 12.7mm (½") T-bolt slots provide for easy fastening of beams and stringers to their supports or to each other. Your workers will be more productive and the lower labour costs will be reflected in your bottom line.



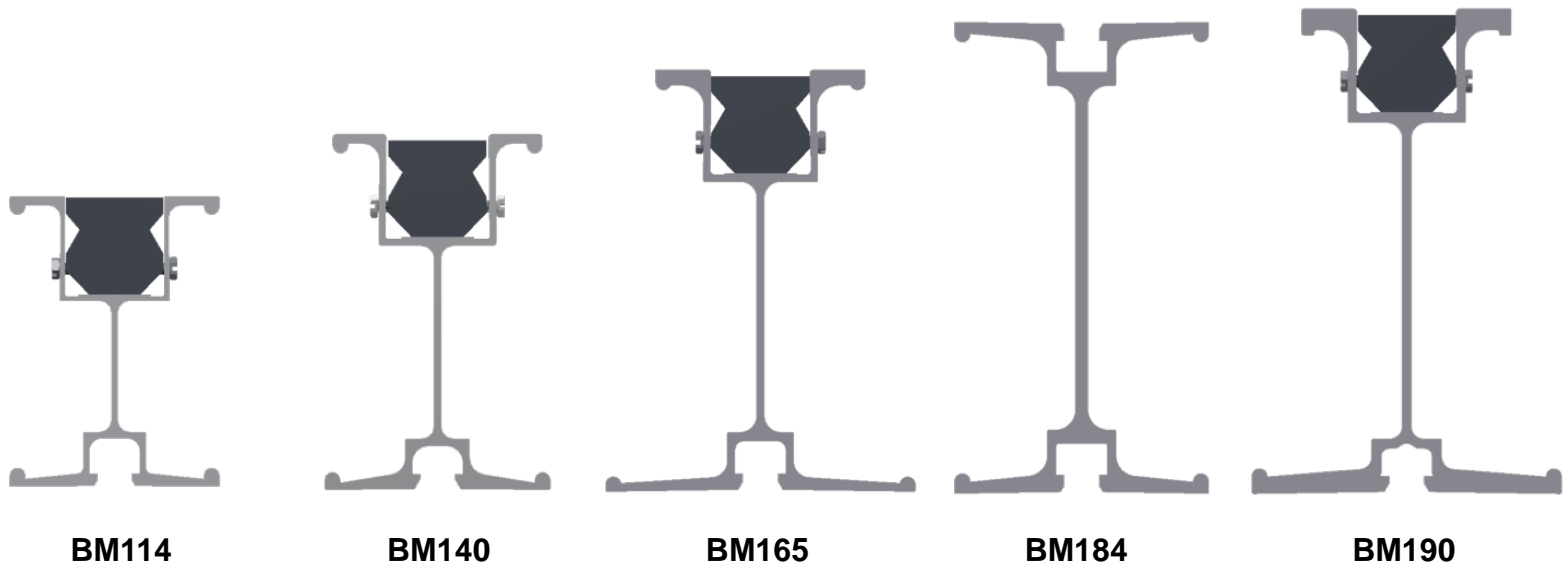
STRONGER: Reinforced side flanges resist bending and retain beam clips. Employees spend less time repairing and more time working.

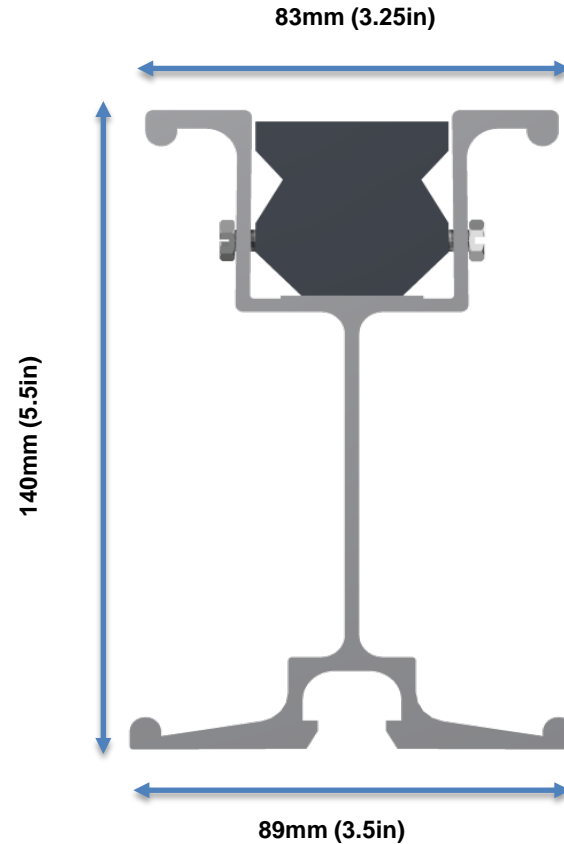
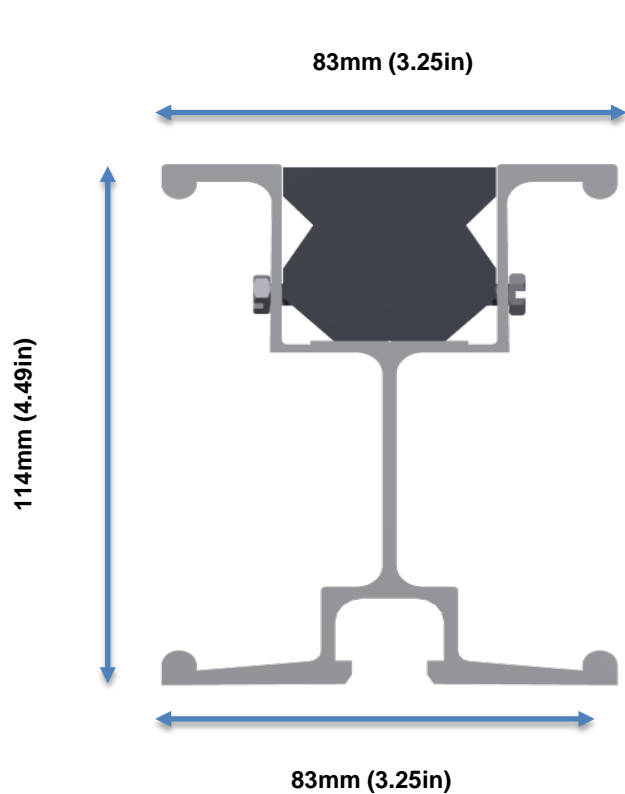
SAFER: Wider flanges resist overturning. Fewer accidents and injuries mean less employee downtime and lower insurance costs.

This information is subject to change. Latest information may be obtained from HI-LITE's web site at www.hi-lite-systems.com. Copyright © 2013 by HI-LITE SYSTEMS Inc. All rights reserved. No part of this manual may be used or reproduced in any manner whatsoever without prior written permission.

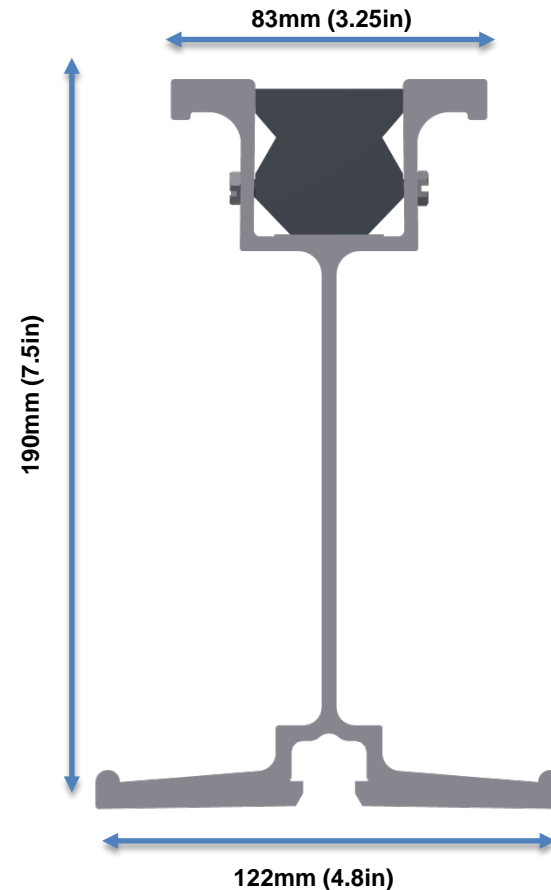
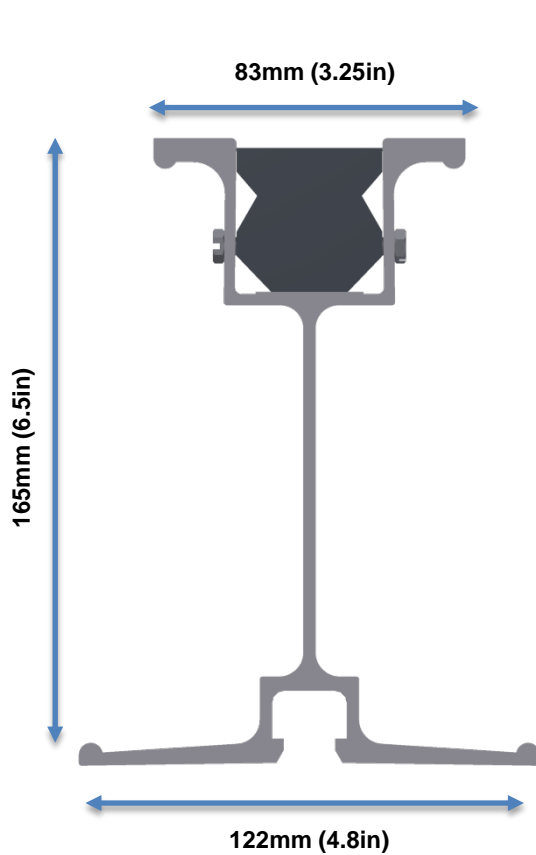
ALUMINUM BEAMS

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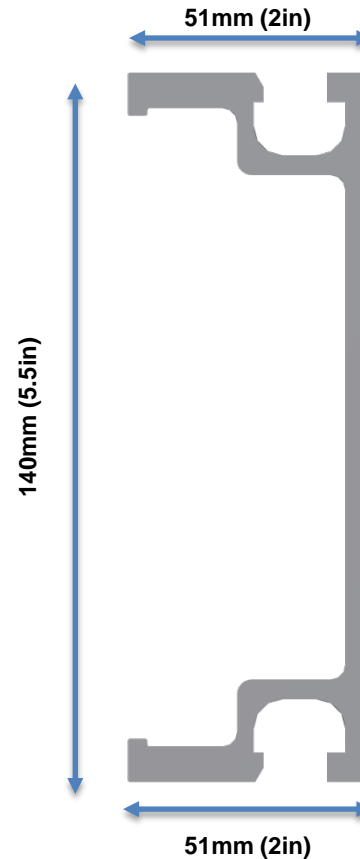
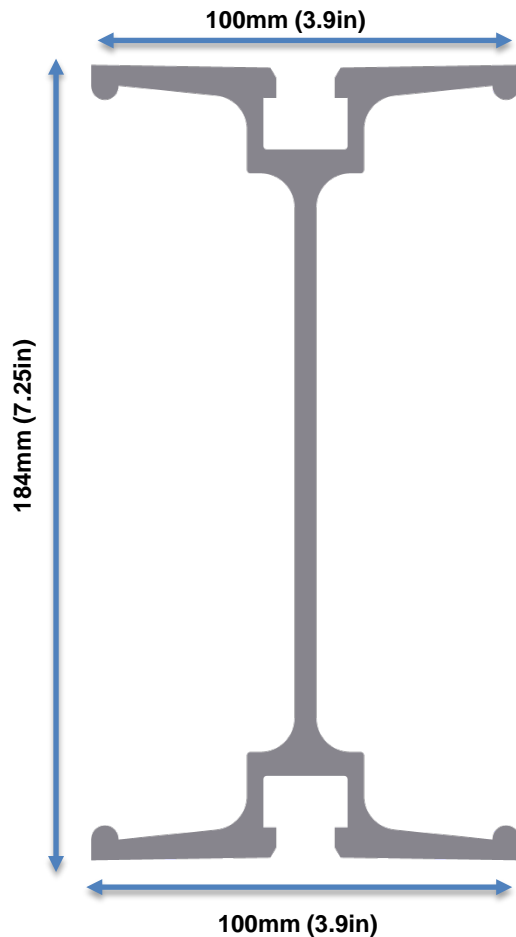




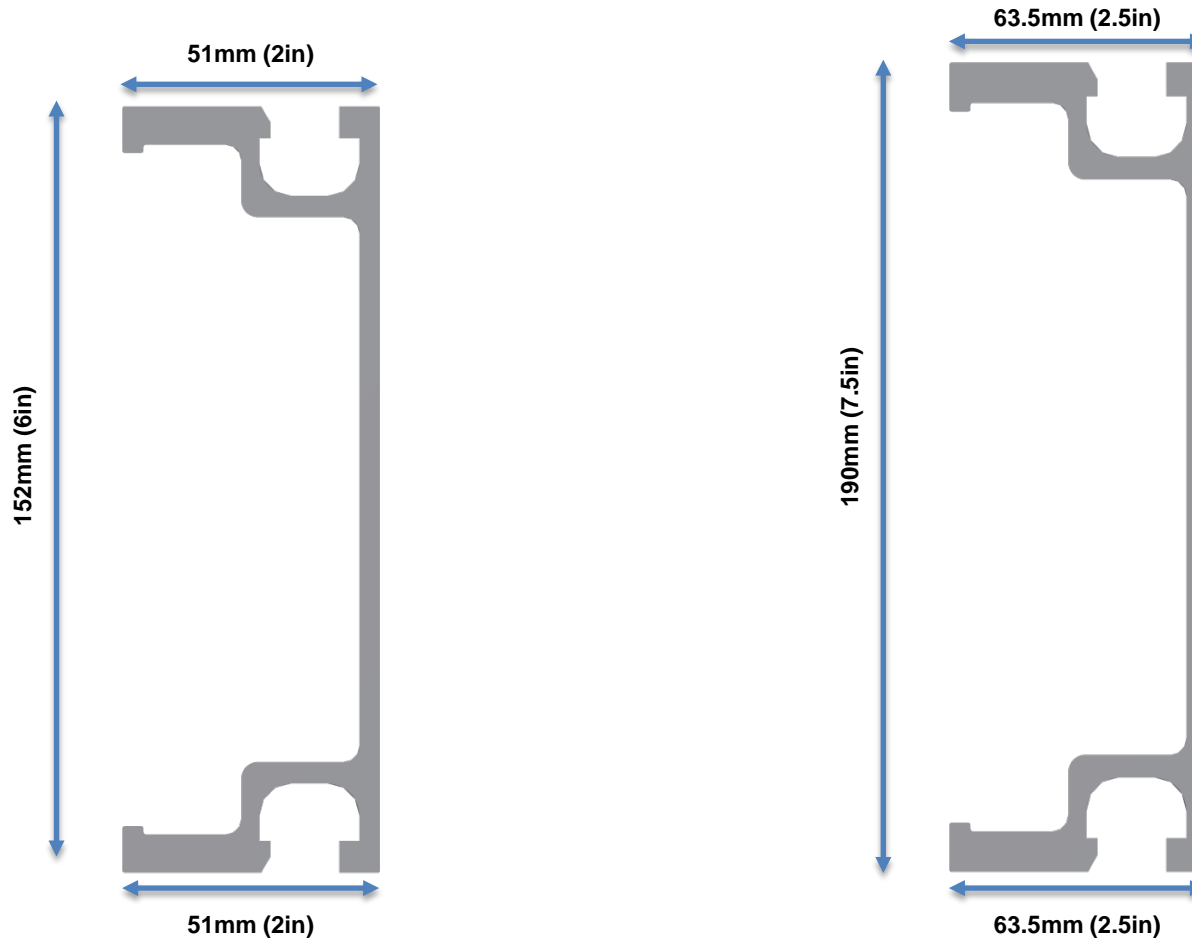
Contact us for engineering data including maximum loads for strength to weight ratios, load capacities, quality control specifications and other technical data.



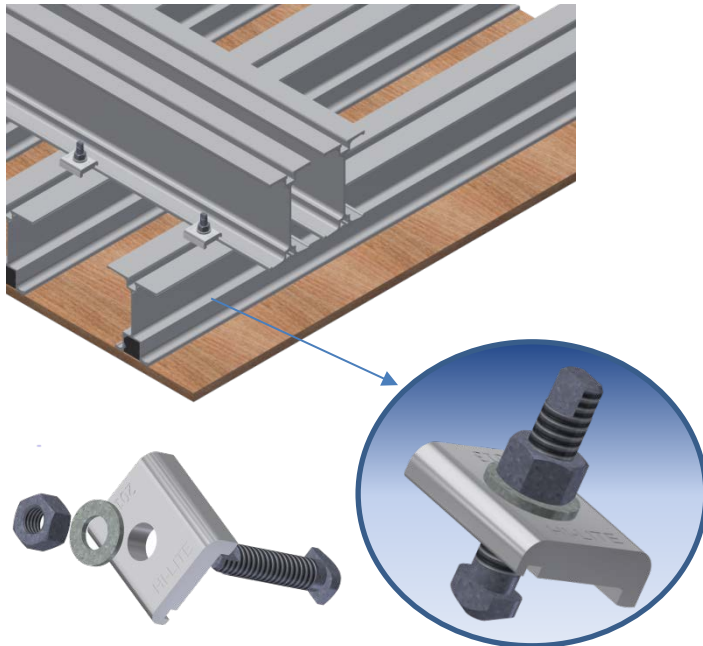
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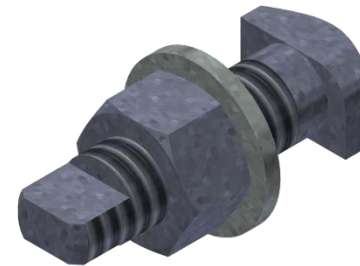
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Note: The sharp corners very effectively secure one beam to another, preventing all movement. Beam Clips will secure any beam that has a 12.7mm (1/2in) T-bolt slot.

The T-bolt is forged from steel to provide for its special head, which guides the T-bolt into the beam slot. It is 12mm (1/2in) diameter by 45mm (1-3/4in) long, giving enough length to accommodate most uses. The thread is a special coarse Acme thread designed to eliminate seizing up as normal standard threads do.

The nut is loosely fitted on the bolt to provide for easy turning of the nut and still provide full strength of the bolt.



The Beam Clip plate is made from specially-formed high-strength aluminum

When the Beam Clip is assembled with T-bolt and hex nut as an assembly the bolt is crimped to prevent loss of the nut. The assembly is used to tie aluminum beams securely together.

Some other uses of the Beam Clip are:

- a) Securing aluminum beams to standard steel Post Shores.
- b) Securing joists to stringers on Wall Forms or rolling tables, or when a sloping slab is to be poured.