

Manufacturer

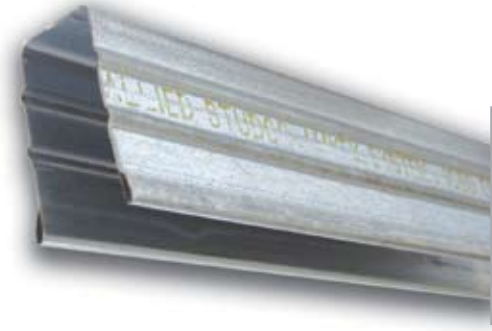
Allied Tube & Conduit

16100 South Lathrop Avenue
Harvey, IL 60426

Phone: 877-336-4332

Fax: 708-339-2399

www.dynatruss.com



Product Description

Dynatruss truss products are proprietary, patented, cold-formed steel sections for use in the fabrication of pitched or flat pre-engineered cold formed steel trusses for light commercial and residential applications. Symmetrical sections and in-plane geometry combine to produce an exceptional strength to weight ratio and easy handling.

Dynatruss manufactures multiple chord depths in several gauges along with 1.5" square and 1.5" X 2.5" – 3.5" rectangular web sections in three gauges to ensure maximum efficiency and design flexibility while greatly reducing the need for permanent in-plane and out of plane bracing. Dynatruss steel trusses offer the most cost effective solution for the shortest jack trusses to 70' clear spans.

Dynatruss steel trusses are increasingly being specified on structures needing to meet non-combustible requirements such as schools, care facilities, hotels/motels, churches and institutional structures. Dynatruss steel trusses are compatible with steel c-stud, wood stud, structural steel, CMU support or nearly any other wall system.

Technical Data

Truss components are manufactured from quality steel conforming to ASTM A-653 or ASTM A-500, and have galvanized coatings in accordance with ASTM A-924 and ASTM A-653, G-90 minimum or G-90 equivalent exterior coating weight (G-60 on CW20). The following table provides minimum requirements for thickness and yield strengths for chord and web material:

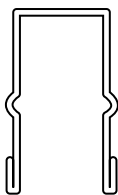
Truss Chord Material

22ga	.0269	50 ksi
20ga	.0329	50 ksi
18ga	.0428	50 ksi
16ga	.0538	50 ksi
14ga	.068	50 ksi

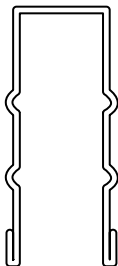
Truss Web Material

22ga	.027	50 ksi	C-Shape
20ga	.033	33 ksi	C-Shaped & Square
18ga	.043	45 ksi	Square & Rectangle
16ga	.061	45 ksi	Square & Rectangle
14ga	.071	45 ksi	Square & Rectangle

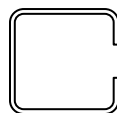
TC 2.5



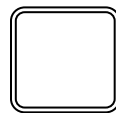
TC 3.5



CW1.5



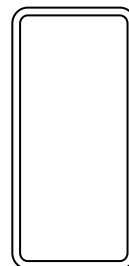
TW1.5



TWW 2.5



TWW33.5



Structural properties of Dynatruss chord and web members are calculated in accordance with the American Iron and Steel Institute (AISI) "Specification for the Design of Cold-Formed Steel Structural Members, August 1986 Edition with December 11, 1989 Addendum." Also, conforms to AISI Standard for Cold-Formed Steel Framing – Truss Design, December 2004 Edition.

Specification Data Sheet

Dynatruss Pre-Engineered Cold Formed Steel Trusses

Truss member connections shall be made with either #10, #12, or 1/4" self-drilling screws. The following allowable shear capacities are used in design.

Self Drilling Screw	Allowable Shear Capacity (lbs.) for Chord Material Thickness			
	22ga	20ga	18ga	16ga
#10	166	240	263	370
#12	166	240	280	569
1/4"	166	240	302	613

Product Availability and Cost

Dynatruss cold formed steel trusses are available from a nationwide network of authorized fabricator affiliates. Project, layouts, component designs, and project costs are obtained directly from the affiliate. In budgeting a project, Dynatruss steel trusses will be very cost-effective versus fire retardant lumber, concrete, bar joist and other non-combustible framing products. Contact Dynatruss at 877-336-4332 for assistance in locating an authorized Dynatruss affiliate.

Technical Services

Dynatruss cold formed steel trusses are designed through authorized Dynatruss fabricator affiliates with Dynatruss truss engineering software developed by Keymark Enterprises. Individual components and truss to truss connection designs are reviewed and certified by Keymark Engineering as required. The overall building design remains the responsibility of the building designer. Building designer may be an Engineer, Architect, the Engineer of Record, a registered building designer, the building owner, or the contractor as appropriate.

Installation

Cold formed steel trusses are planar structural components. Structural performance depends on the trusses being installed vertically, in-plane, at specified spacing and being properly braced. Field installation of trusses, including proper handling, safety precautions, temporary erection bracing and any other safeguards or procedures consistent with good workmanship and good building installation practices, shall be the responsibility of the contractor and/or truss installer. If it is necessary to store trusses prior to installation, trusses shall be adequately supported, whether stacked either vertically or horizontally, in order to avoid damage. Framing anchors and/or truss hangers shall be installed by the installation contractor in accordance with the building designer's drawings, or truss-to-truss connection drawings provided. Concentration of construction loads greater than the design loads shall not be applied to the trusses at any time.

The field removal, cutting or alteration of any truss chord, web or bracing member is not allowed without the prior written approval of the truss designer. Dynatruss truss components require no maintenance when installed in an enclosed, properly ventilated roof or floor cavity designed to maintain relative humidity below 95%.

Code Application

Dynatruss truss chord section properties are recognized under ICBO ER5226 and Dynatruss trusses carry four (4) UL assembly ratings. Dynatruss personnel are active members of the Committee on Framing Standards, Light Gauge Steel Engineers Association, American Society for Testing and Materials, and the American Iron and Steel Institute.

Limited Warranty

Seller only warrants to Buyer that the goods to be shipped hereunder will meet the applicable specifications as state in Seller's technical literature. The foregoing express warranty is exclusive and in lieu of any and all other warranties, whether written, oral or implied, including any warranty of merchantability or of fitness for a particular purpose. If it appears within thirty (30) days from the date of receipt by Buyer or Buyer's agent that the goods shipped do not meet Seller's above express warranty and Buyer notifies Seller, in writing within such period, Seller, at its option, will repair or replace such defective goods or return the purchase price paid therefore by Buyer. The liability of Seller to Buyer arising out of the sale of goods or their use, whether on warranty, contract or negligence is limited only to the replacement or repair of defective goods or the return of purchase price, as herein provided. Upon the expiration of said thirty (30) days period all such liability shall terminate. The foregoing shall constitute the sole remedy of the Buyer and the sole liability of the Seller. In no event shall the Seller be liable for special, incidental or consequential damages. Buyer shall bear all costs of disassembly, shipment, and reinstallation of any defective, repaired or replaced goods and shall return to Seller upon written request of Seller, all goods for which refund of purchase price is made.

