

# ULTRA-SPAN®

## LIGHT GAUGE STEEL TRUSS SYSTEM



### Why use light gauge steel trusses?

Is your roof too large to be done in pre-fabricated timber or are you shipping roofs into Africa and paying dearly for transport? Maybe you wish to supply low-cost roofs or simply prefer non-combustible roof structures? Whatever your need – Ultra-Span® offers the solution!

MiTek Industries South Africa (Pty) Ltd, the world's leading provider of connection solutions to the wood component industry, is proud to present the Ultra-Span® Light Gauge Steel Truss System.

Your local MiTek licensed fabricator can provide you with design and pricing information on Ultra-Span® utilizing state of the art MiTek 20/20® software, alternatively your MiTek regional offices will gladly assist.

Ultra-Span® trusses can be supplied in "kit-form" (low-cost housing or other remote projects) whereby trusses are assembled on site (contributing to local skills transfer and employment), or in pre-fabricated form ready for installation on the roof.

Advantages of the Ultra-Span® light gauge steel truss system:

- Elegant simple system, with all members straight and true for a level roof.
- Span capability from small low-cost to large 40m clear span commercial structures.
- Longevity of product due to galvanized coating plus inherent properties of non-combustibility, resistance to borer and fungus attack.
- Lower weight reduces transportation costs, improves handling and erection.
- Ease of truss manufacture with screws and electric fixing tool directly on site or in factory conditions.



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The low mass per m<sup>2</sup> (between 2-10kg) of this roofing system ensures both savings on the supporting structure as well as on transportation and erection costs whilst also being vermin proof and non-combustible. Large sections of the roof can simply be pre-assembled on the ground and hoisted into position on the walls – making this one of the most viable systems with a large range of applications up to a clear span of 40m.

Supported through a substantial network of licensed truss suppliers, Ultra-Span is equally ideal for all local and export applications where it can be pre-assembled or site assembled.

The non-combustible solution.

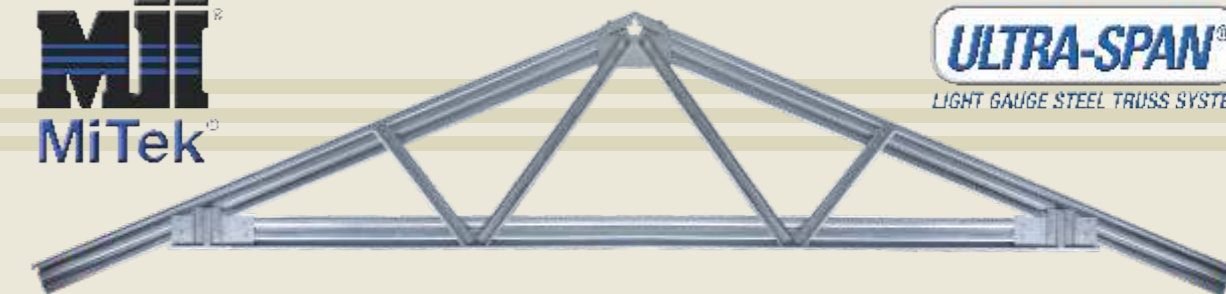
# MiTek®

creating the advantage

# MiTek®

# ULTRA-SPAN®

## LIGHT GAUGE STEEL TRUSS SYSTEM



## Mediclinic Midstream Project

### Winner

Of The  
**Light Gauge Steel Building Category**  
Steel Awards 2015

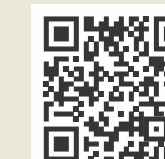


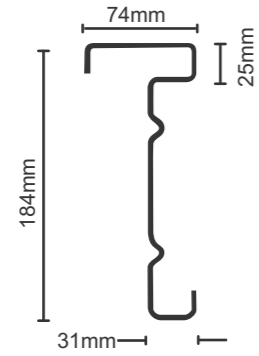
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\*Mitek Industries South Africa (Pty)Ltd, a division of the worldwide MiTek Group.



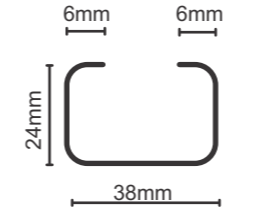
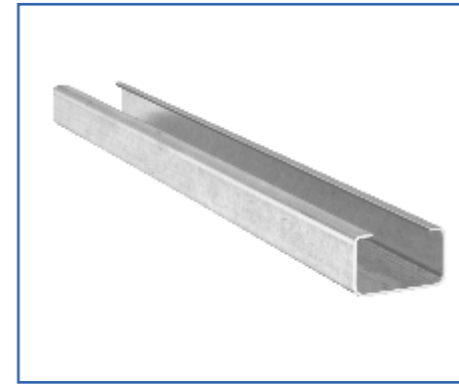


**CHORDS**

**USC184 X 1.9**

184mm Chord in 1.9mm Steel  
(Suitable for very large spans/girders)

**Weight:**  
5.29kg/m

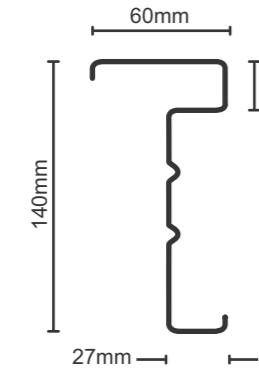
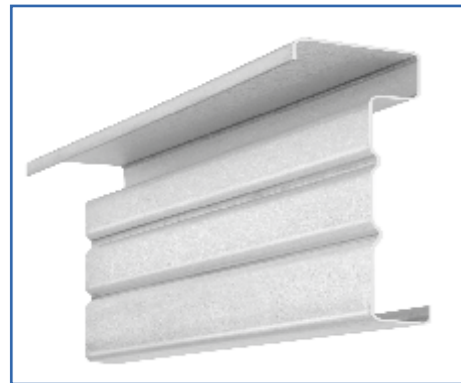


**WEBS**

**USW38 X 0.8**

38mm Web in 0.8mm Steel

**Weight:**  
0.55kg/m

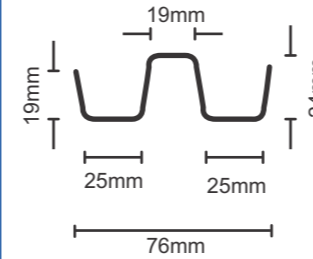


**CHORDS**

**USC140 X 1.2 or 1.6**

140 mm Chord in 1.2mm or 1.6mm Steel  
(Suitable for large spans/girders)

**Weight:**  
2.51kg/m and 3.34kg/m respectively

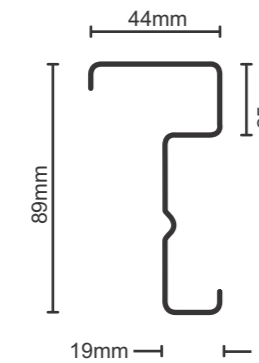


**WEBS**

**USW76 x 0.8 or 1.2**

76mm Web in 0.8mm and 1.2mm Steel.

**Weight:**  
0.73kg/m and 1.38kg/m respectively

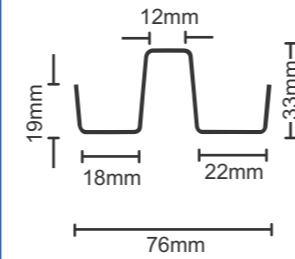


**CHORDS**

**USC89 X 1.0 or 1.2**

89 mm Chord in 1.0mm or 1.2mm Steel

**Weight:**  
1.44kg/m and 1.73kg/m respectively

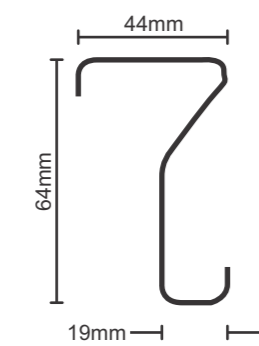


**WEBS**

**USW76 x 1.6**

76mm Web in 1.6mm Steel.  
(Unsymmetrical profile for stacking.)

**Weight:**  
1.8kg/m



**CHORDS**

**USC64 X 0.8**

64mm Chord in 0.8mm Steel

**Weight:**  
0.93kg/m

**FIXING SCREWS AND SOCKETS**



**BASIC TOOLS**



**TRUSS TO TRUSS CONNECTIONS**



**eCo STEEL PURLIN / BATTEN**



**TIMBER SPROCKET**



**STEEL PURLINS ON TIMBER ROOF**



**CEILING BRANDING OPTIONS**

