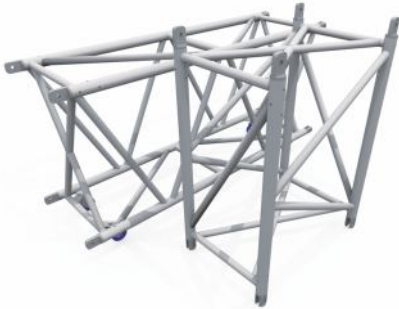


## Slick Nova Truss Super Beam

*Slick*



Superbeam is a heavy duty truss designed to accommodate capacities between Slick Maxi Beam and Slick Mega Beam. The truss uses a high grade aluminium alloy 6082-T6, and uses 60mm O/D main tubes in conjunction with Slick's forkend jointing system. Super Beam comes in standard 1.2M, 2.4M and 4.8M lengths. As with Maxi Beam, the trusses come with the options of with or without castors, bottom braced or pre-rigged with drop-down mechanism. Super Beam is ideal for outdoor roof systems, offering large load capacities, ease of erection and dismantling, with large cross stage spans. Typically Super Beam can be loaded to 4,760kg over a 20mt span.



# Slick Nova Truss Super Beam



## Load Tables

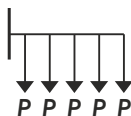
Span (metres)	3	6	9	12	15	18	21	24	27	30	33	36
UDL kg	7525	7470	7414	7145	5617	4580	3823	3241	2777	2394	2071	1793
DEFL mm	1	5	16	37	57	80	106	134	163	193	222	250
CPL kg	6765	6710	4828	3573	2808	2290	1911	1621	1389	1197	1036	896
DEFL mm	1	7	17	30	45	64	85	107	131	155	178	200
TPL kg	6765	6710	6654	5359	4213	3435	2867	2431	2083	1796	1554	1345
DEFL mm	1	6	20	38	58	82	108	137	167	198	227	256
QPL kg	6765	6710	6654	5359	4213	3435	2867	2431	2083	1796	1554	1345
DEFL mm	1	5	18	35	54	76	101	127	155	184	211	238

Connection: Fork fitting. Fixings: STTP truss pin and R4 R Clip

Third and Quarter point loads are displayed as a total load and NOT individual point loads.

Span (metres)		
Cantilever Span		3
UDL	kg	4220
DEFL	mm	6.3
EPL	kg	3390
DEFL	mm	11.3
CPL	kg	3470
DEFL	mm	4.9

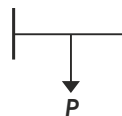
Uniform Load (UDL)



Point Load (Edge)



Point Load (Central)



## Slick Nova Truss Super Beam



- All loads are given in kilograms and are total safe working loads (unfactored) at node points of a chord members only
- Allowance has been made for self-weight of the truss
- Allowance has been made for frequent use factor of 85%
- The payload on a truss has been calculated as a permanent action. Should it be necessary to consider the payload as a variable action, the tabulated figures should be reduced to 90% of the given values
- No allowance for dynamic loading has been made
- Capacity has been calculated in accordance with BS EN 1999 – Design of Aluminium Structures
- All loads applied are symmetrical between bottom 2 chords
- All deflections stated are theoretical deflections which do not account for any connection slippage. As such the values stated in these tables will be less than the actual deflection of the truss
- Care must be taken regarding the correct orientation of the bracing arrangement and support condition of the truss. The figures 1 and 2 show the acceptable orientations and supporting conditions of the truss and figures 3 and 4 show the orientation and support condition that should not be used.

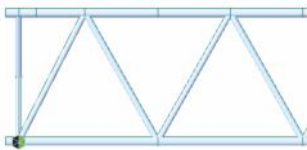


Figure 1: Orientation of the truss supported of bottom chords

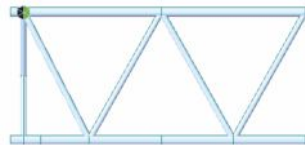


Figure 2: Orientation of the truss supported of top chords

## Slick Nova Truss Super Beam



### Material Specifications

Main Cord:	60mm x 5mm
Braces:	40mm x 3mm
Material Specifications:	EN AW-6082 T6
Fixings:	Fork End : 5TTP pins & R4 Clips

### Accessories

Circles  
Hinges and Swivels  
Bespoke Lengths  
Ladder Sections

### Item Codes, Weights and Dimensions

5T10/BB	Superbeam 1.0Mt Section	1000mm x 917mm x 610mm	29kg
5T12/BB	Superbeam 1.2Mt Section	1200mm x 917mm x 610mm	31kg
5T20/BB	Superbeam 2.0Mt Section	2000mm x 917mm x 610mm	45kg
5T24/BB	Superbeam 2.4Mt Section	2400mm x 917mm x 610mm	48kg
5T30/BB	Superbeam 3.0Mt Section	3000mm x 917mm x 610mm	64kg
5T40/BB	Superbeam 4.0Mt Section	4000mm x 917mm x 610mm	79kg
5T48/BB	Superbeam 4.8Mt Section	4800mm x 917mm x 610mm	86kg
5T4W	Superbeam 4 Way Corner	720mm x 917mm x 720mm	42kg
5TSB	Superbeam Sleeve block GS Tower	720mm x 917mm x 720mm	48kg
NOSB	Superbeam Sleeve block Nova Tower	892mm x 917mm x 892mm	57kg

All versions are available with castors as an option.

### Design Specification

Manufactured in accordance with

BS EN 1090-3:2008 : Technical Requirements for aluminium structures

EN ISO 9001:2008 : Quality management systems

BS EN 1999 Pt 1-1 : Design of Aluminium Structures, General structural rules

EN17115: Entertainment Technology : Specifications for design, manufacture of aluminium and steel trusses and towers

# Slick Nova Truss Super Beam

