



SkyTruss by Proscaff.
A state of the art optimized truss.

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SKY TRUSS

A STATE OF THE ART OPTIMIZED TRUSS

Lightweight 1-2-3m sections 17kg/m.

Eliminate the use and cost of steel beams.

U.S. Patent published.



01

INTRODUCTION:

SkyTruss by Proscaff is a US Patent published, state of the art optimized truss. A revolutionary, light-weight and high strength, modular access and structural system. You can easily create structural support or working platforms using three components:

[01] ALUMINUM TRUSS

WITH STEEL CONNECTORS

[02] BRACE FRAMES

[03] SPIGOT CLAMPS

WHEN BUILDING A PLATFORM ABOVE

02

FEATURES:

- 1m, 2m and 3m sections allow for functional adaptability to many problematic situations over large spans.
- Lightweight product: At only 17kg/m or 5.15 lbs/ft., the product is easily manipulated by your team.
- Over a 12m span the SkyTruss has the equivalent strength of a W18x65 steel beam.
- Vertical tubes 48.3mm are provided every 1m allowing for bracing on any tube or system scaffold leg.
- Spigot clamps, that allow for connection with your scaffold tube and platforms, can be installed every meter.
- Optimized and innovative design for maximized strength and reduced weight.
- Example: on a 12m/39ft span, a single truss can support a point load of 27.5KN/6159 lbs with a factor of safety of 4:1 applied – the actual yield occurs at 110KN/24,728 lbs.
- Bracing can be used every 1m or 2m depending on the application.
- Please review the table with point loads and UDL over main spans 12m, 24m, 36m.

03

BENEFITS:



REDUCED INSTALLATION COST:
The strength of our product is equivalent with a steel beam W18x65 which has a weight of 115kg/m and that is 6.76 times heavier than the SkyTruss. Using our solution, at 17kg/m, you can eliminate the use of a crane altogether, reducing the labor and installation costs by 30-50%.



REUSABILITY:
The SkyTruss sections can be re-configured and re-used for your next job. It does not require painting or inside storage, as aluminum does not rust. You have a re-usable and durable product requiring reduced labor and maintenance.



INCREASED COMPETITIVENESS AND SPEED:
Contractors found that the SkyTruss enabled them to take on jobs which otherwise would have been more expensive in time and materials.



REDUCED COST OF LOGISTICS:
The stackable sections allow for simple storage and transportation, as over 300 meters (975 ft.) of product can fit on a 53' flat deck. Eliminate the need for city permits that cranes and other heavy duty equipment require.

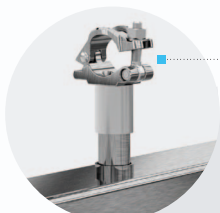


VERSATILITY:
In order to build your scaffold over obstacles that require a wide span clearance, components can be easily handled by one person. Your crew require no special tools or skills to assemble, the SkyTruss can be built in the air or on the ground and then hoisted into position saving time and money.

04

CORE COMPONENTS:

The SkyTruss can support large loads or create walkways over large spans.



SPIGOT CLAMP



TRUSS CONNECTOR



ALUMINUM TRUSS

BRACE FRAMES
THE BRACE FRAME CONNECTS TO THE VERTICAL TUBES OF THE SKY TRUSS.



3M SKY TRUSS

PRODUCT		WEIGHT	
ITEM	PART. NO	KG	LB
3M SkyTruss	35SPT300	50.4	111.8



2M SKY TRUSS

PRODUCT		WEIGHT	
ITEM	PART. NO	KG	LB
2M SkyTruss	35SPT200	35.8	78.8



1M SKY TRUSS

PRODUCT		WEIGHT	
ITEM	PART. NO	KG	LB
1M SkyTruss	35SPT100	17.8	39.1



BRACE FRAME

PRODUCT		WEIGHT	
ITEM	PART. NO	KG	LB
Brace Frame	35BFC100	12	26.4



SPIGOT CLAMP
(WITH 2 CLIPS)

PRODUCT		WEIGHT	
ITEM	PART. NO	KG	LB
Spigot Clamp	35PSC100	1.9	4.2



TRUSS CONNECTOR
(WITH 8 BOLTS, 2 STIFFENERS
NUTS & WASHERS)
Two connectors per Truss

PRODUCT		WEIGHT	
ITEM	PART. NO	KG	LB
Truss Connector	35PCB100	5.6	12.3
Truss Stiffener	35PCS100	0.43	0.95



TRUSS RACK

PRODUCT		WEIGHT	
ITEM	PART. NO	KG	LB
Truss Rack	90STR325	105.1	231.7



SHORING BASKET

PRODUCT		WEIGHT	
ITEM	PART. NO	KG	LB
Shoring Basket	90STR100	78.9	173.9