

DATA SHEET



F32

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Cosmic Truss represents the highest quality and reliability.

Cosmic Truss F32 is a high strength ladder truss system that combines lightweight and high capacity. The ladder construction provides optimum strength and loading capacity for its size, with a standard tube diameter of 50mm (1.96 in). Section pieces connect together using a conical coupler, which is then secured with a locking pin, and a further safety clip for added security.

Cosmic Truss F32 can be used for a variety of applications, such as exhibitions, corporate events, retail environments, and live productions. F32 has a lightweight design making it easy to store and transport. Arcs, circles, and corner sections are available as part of the standard range.

The F32 range can also be ordered in customized designs, and can be supplied in different colored powder coating finishes.

Cosmic Truss products are tested to stringent TÜV safety standards.

TECHNICAL DATA

Main tube diameter:	1.96in (50mm)
Wall thickness:	0.078in (2mm)
Material:	EN AW 6082-T6
Brace tube diameter:	0.78in x .078in (20mm x 2mm)

Conical connectors included



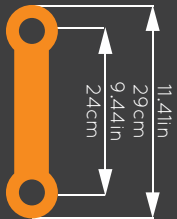
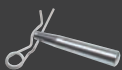
LOAD TABLE

INCLUDED

2x



4x

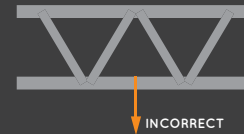
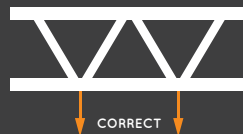


span	Uniform distribution load			Center point load			Point load in third-point			Point load in quarter-point			Point load in fifth-point		
	lbs/ft	Deflection	Deflection	lbs	Deflection	Deflection	lbs	Deflection	Deflection	lbs	Deflection	Deflection	lbs	Deflection	
m/ft	in	in	lbs	in	in	lbs	in	in	lbs	in	in	lbs	in		
2 / 6.56	381.10	0.1181	1560.87	0.0787	1250.02	0.1181	833.34	0.0787	625.01	0.0787					
3 / 9.84	253.39	0.2362	1252.66	0.1968	1110.24	0.3937	740.31	0.2362	614.42	0.2362					
4 / 13.13	168.24	0.5118	1104.51	0.4330	828.49	0.5511	552.25	0.4330	458.34	0.4330					
5 / 16.41	106.93	0.8267	877.65	0.6692	658.29	0.8267	438.94	0.6299	369.71	0.6692					
6 / 19.68	73.73	1.1811	725.32	0.9448	544.21	1.2204	362.66	0.9448	300.93	0.9448					
7 / 22.97	53.61	1.5748	625.53	1.2598	461.64	1.6141	307.76	1.2204	255.51	1.2992					
8 / 26.25	40.58	2.0078	532.41	1.6535	399.25	2.1259	266.31	1.6141	220.90	1.6141					
9 / 29.53	31.64	2.7165	466.93	2.1259	350.31	2.6377	233.46	2.0472	193.78	2.0866					
10 / 32.81	25.26	3.3070	414.02	2.5196	310.63	3.2283	207.01	2.5196	171.73	2.5196					

(*) Values only valid if the load burdens the junction

Compression chord held every 1.0m

Weight of the truss is considered in load table



www.cosmictruss.com