

# DATA SHEET



F23

# F23



Cosmic Truss represents the highest quality and reliability.

Cosmic Truss F23 is a high strength triangular truss system that combines lightweight and high capacity. The triangular construction provides optimum strength and loading capacity for its size, with a standard tube diameter of 35mm (1.37 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 F23 can be used for a variety of applications, such as exhibitions, corporate events, retail environments, and live productions. F23 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 F23 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.

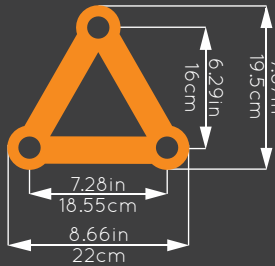
## TECHNICAL DATA

Main tube diameter:	1.37in (35mm)
Wall thickness:	0.063in (1.6mm)
Material:	EN AW 6082-T6
Solid rod bracing:	0.31in (8mm)
Conical connectors included	



## LOAD TABLE

### INCLUDED



Weight of the truss is considered in load table.

Span	Uniform distribution load		Center point load		Point load in third-point		Point load in quarter-point		Point load in fifth-point	
	m/ft	lbs/ft	in	lbs	in	lbs	in	lbs	in	lbs
1 / 3.28	803.00	0.0078	580.76	0.0117	401.50	0.0117	267.67	0.0078	200.75	0.0078
2 / 6.56	400.40	0.0702	435.80	0.0624	373.60	0.0897	266.93	0.0741	200.20	0.0702
3 / 9.84	266.20	0.2418	348.74	0.1677	290.66	0.2418	218.04	0.2028	189.02	0.2184
4 / 13.13	199.10	0.5733	290.66	0.3354	237.86	0.4641	174.46	0.3861	149.91	0.4137
5 / 16.41	130.15	0.9126	249.19	0.5577	201.30	0.7683	145.40	0.6279	124.21	0.6708
6 / 19.68	89.72	1.3065	218.06	0.8463	174.48	1.1544	124.63	0.9282	106.04	0.9867
7 / 22.97	65.32	1.7589	193.84	1.1934	153.96	1.6146	109.08	1.2909	92.49	1.3689
8 / 26.25	49.50	2.2737	174.48	1.6029	137.76	2.1567	96.95	1.7121	82.02	1.8096
9 / 29.53	38.65	2.8470	158.62	2.0748	124.65	2.7807	86.97	2.1840	72.18	2.2659
10 / 32.81	30.89	3.4671	145.42	2.6130	113.81	3.4827	77.22	2.6637	64.09	2.7612

