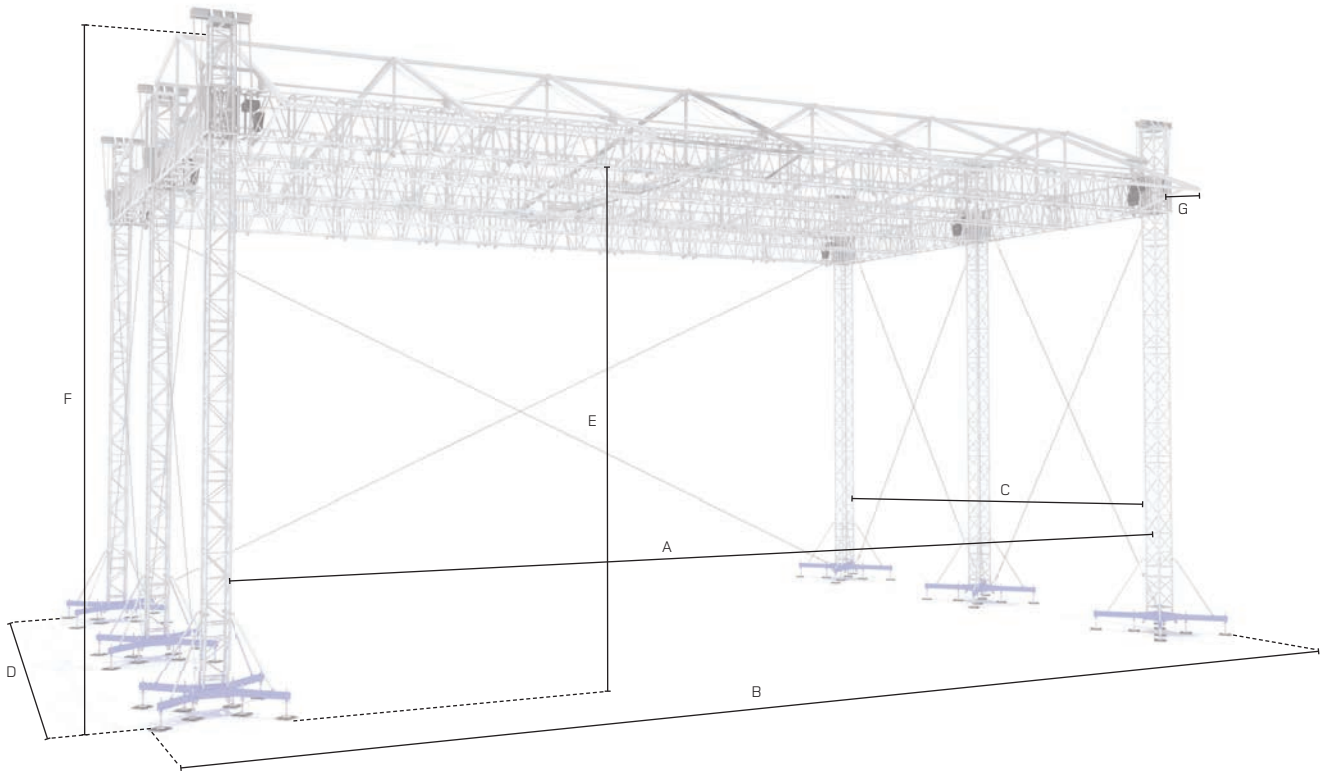
Milos. Works better.

We cover you!

MR5 pitched roofs

- MR5 Mega-Pitched Roof structure for temporary events
- MT2 / MT3 self-climbing towers upto 12,5 m high (41.01 ft) with M950 main grid
- M950 folding series used to minimise volume for storage & transportation
- easy back stage area integration to main structure
- supplied complete with internal wind bracing wires & connection accessories
- full structural calculation report & build manual available
- PVC roof colour and side wall keder options
- integrated tower base / stage components available
- PA / Video wing options available on request

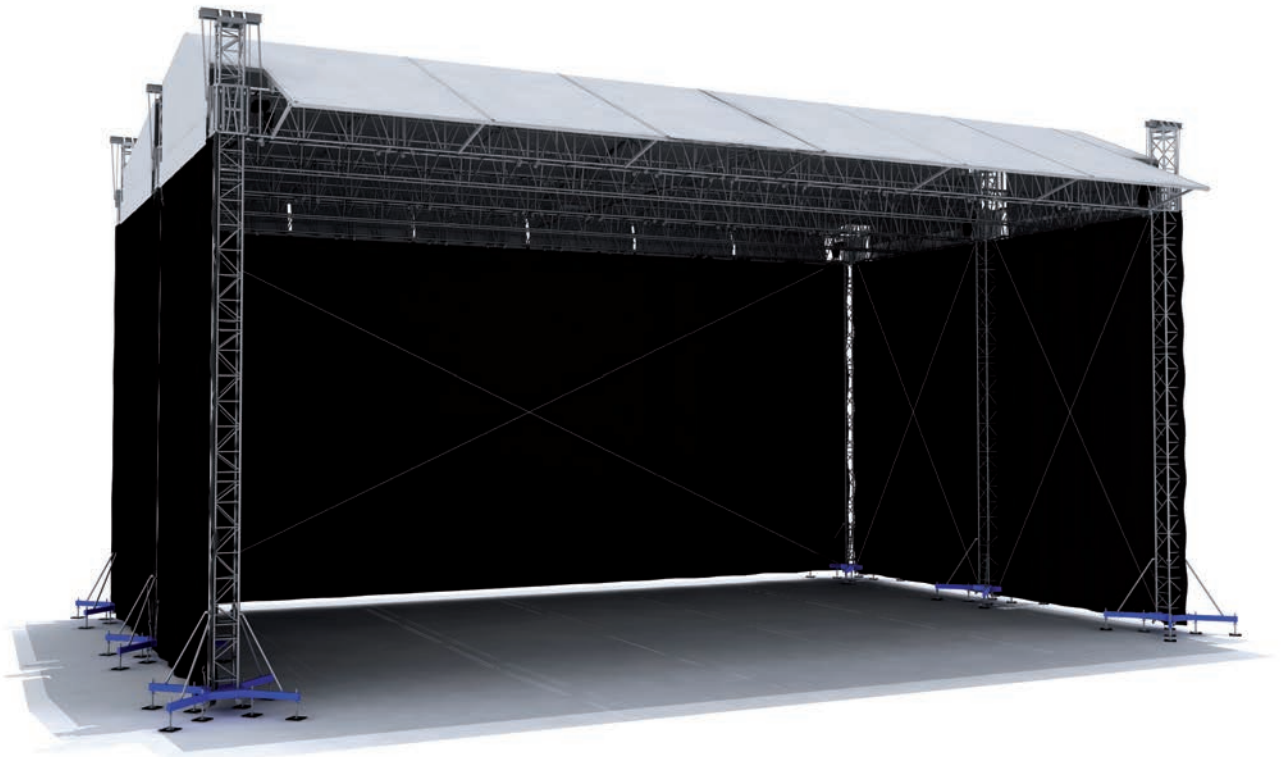


TECHNICAL SPECIFICATIONS

		Stage size ›	24x14 m	78,74x45,93 ft	20x14 m	65,62x32,81 ft	18x14 m	59,06x45,93 ft
Dimensions	A	Internal width	24.76 m	81.23 ft	20,76 m	68.11 ft	18,76 m	61.55 ft
	B	Overall external width	27,84 m	91.34 ft	23,84 m	78.22 ft	21,84 m	71.65 ft
	C	Internal depth	14,74 m	48.36 ft	14,74 m	48.36 ft	14,74 m	48.36 ft
	D	Overall external depth	17,80 m	58.40 ft	17,80 m	58.40 ft	17,80 m	58.40 ft
	E	Clearance	11,48 m	37.66 ft	11,48 m	37.66 ft	11,48 m	37.66 ft
	F	Overall height	14,43 m	47.34 ft	14,43 m	47.34 ft	14,43 m	47.34 ft
	G	Cantilever depth	2,02 m	6.63 ft	2,02 m	6.63 ft	2,02 m	6.63 ft

LOADING CAPACITY

		Stage size ›	24x14 m	78,74x45,93 ft	20x14 m	65,62x32,81 ft	18x14 m	59,06 x45,93 ft
Loading capacity	Main grid	Uniformly distributed (UDL)	12500 kg	27533 lbs	12500 kg	27533 lbs	12500 kg	27533 lbs
		Point loads	17500 kg	38546 lbs	17500 kg	38546 lbs	17500 kg	38546 lbs
	PA wing	Central point load (CPL)	1500 kg	3304 lbs	1500 kg	3304 lbs	1500 kg	3304 lbs
	* See structural report for exact load positioning							



OPERATIONAL SPECIFICATIONS

Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All our structures are standard produced under EN 1090 EXC2, include neccessary guy wires, instruction manual and engineering report	
Wind management	In service	17,8m/s - 64km/h - 40mph (Max. gust windspeed)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28,3m/s - 100km/h - 62mph (Max. gust windspeed)
	Training recommended	
Ballast	This can vary per tower from 2375kg / 5231lbs up to 12700kg / 27973lbs and depends on:	
	• If tower bases are interconnected or freely standing	
	• Lay-out of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
Canopy & sidewalls	B1 fire retardant canopy, in kedders, configurable for different sizes on request	
	Silvergrey; other colors or inside black on request	
	B1 fire retardant side nets in compliance with latest Eurocodes	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on requirement	

TRANSPORTATION DATA

	Stage size ›	24x14 m	78,74x45,93 ft	20x14 m	65,62x32,81 ft	18x14 m	59,06''x45,93 ft
Self-weight	* Exact self-weight depends on configuration	7200 kg	15859 lbs	6435 kg	14174 lbs	6600 kg	14537 lbs
Transport volume	* Packed in carton boxes and bubble foil	120 m^3	4237 ft^3	100 m^3	3531 ft^3	90 m^3	3178 ft^3