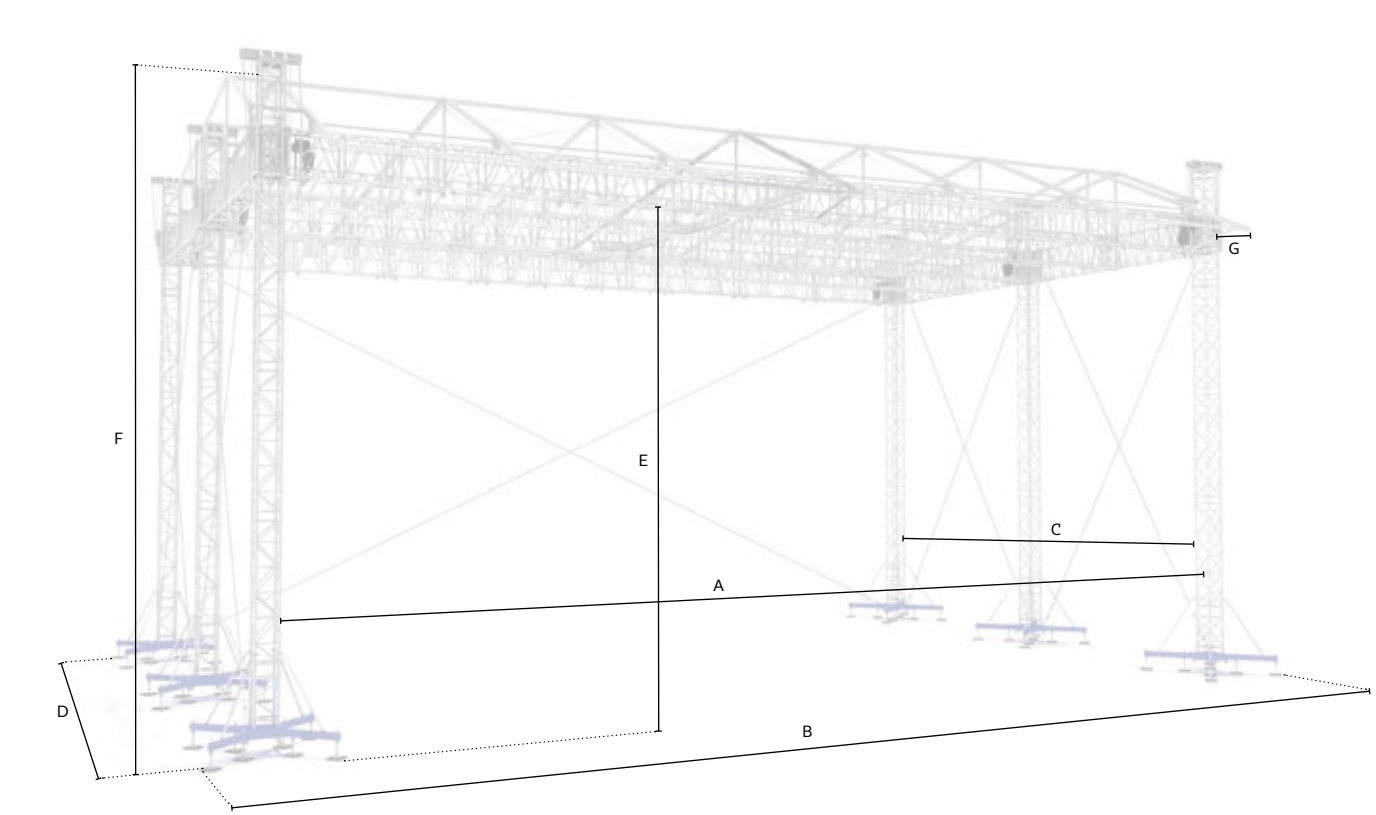
MR5 pitched roofs

- MR5 Mega-Pitched Roof structure for temporary events
- MT2 / MT3 self-climbing towers up to 12.5 m high (41.01 ft) with M950 main grid
- M950 folding series used to minimise storage and transportation volume
- Easy back stage area integration with 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

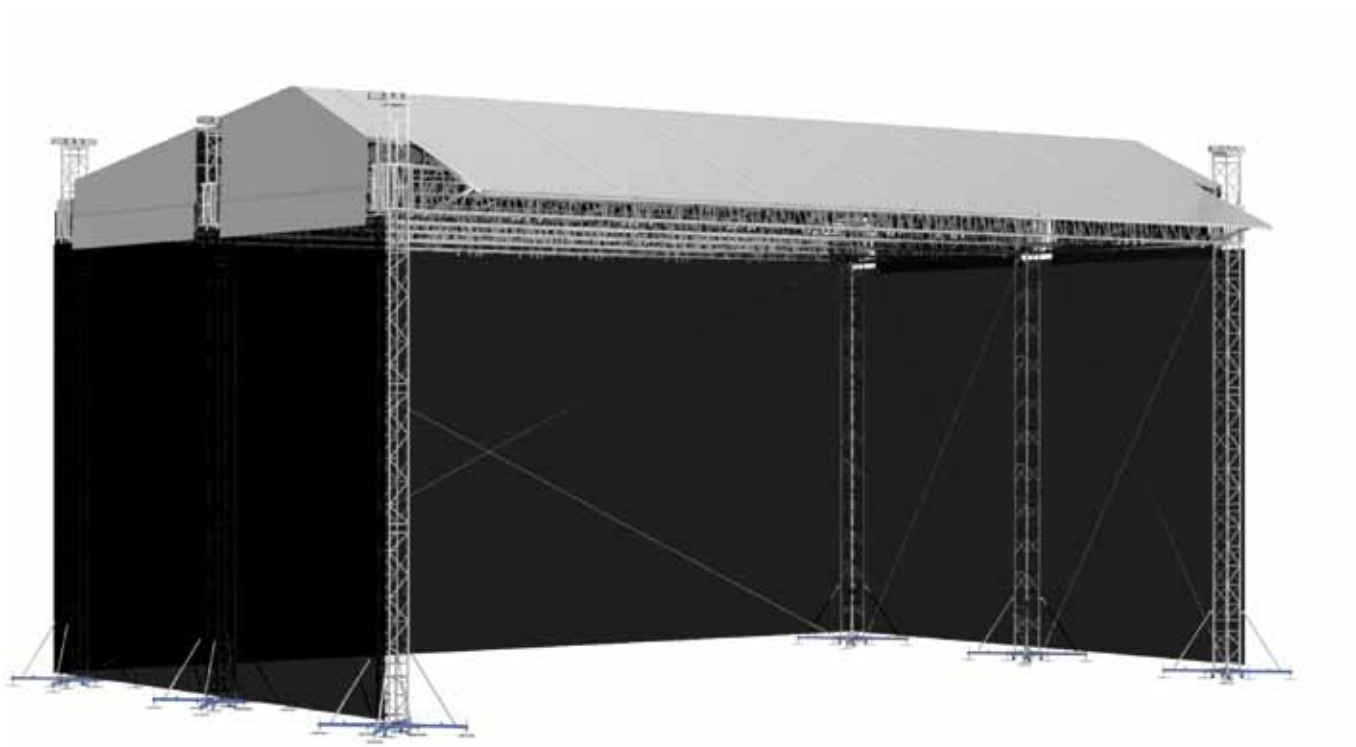


Technical specifications

		Stage size ›	24x14 m	(78.74x45.93 ft)	20x14 m	(65.62x45.93 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	(65.62x45.93 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 of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	In service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* 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 wind speed)
	Training recommended	
Ballast	This can vary per tower from 2375kg / 5231lbs up to 12700kg / 27973lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout 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 keders, 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) upon request	

Transportation data

	Stage size ›	**24x14 m**	(78.74x45.93 ft)	**20x14 m**	(65.62x45.93 ft)	**18x14 m**	(59.06x45.93 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 m³**	(4237 ft³)	**100 m³**	(3531 ft³)	**90 m³**	(3178 ft³)