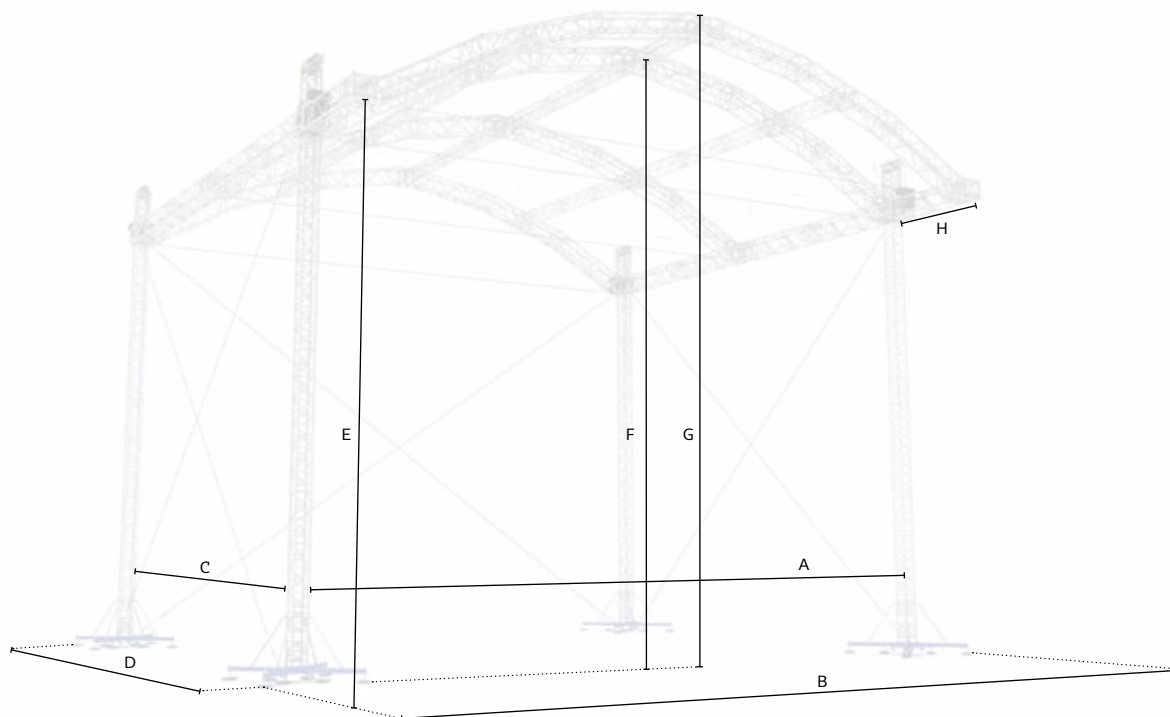


MR4 arched roofs

- MR4 Mega-Arc Roof structure for temporary events
- MT2 self-climbing towers up to 12.5 m high (41.01 ft) with M400 / M520 main grid
- Keystone 'arch' created using standard straight sections & angled hinge parts
- Supplied complete with internal wind bracing wires & connection accessories
- Fast connection for quick, simple and secure assembly
- Full structural calculation report & build manual available
- PVC roof colour and side wall options
- Integrated tower base / stage components available
- PA wing options available on request

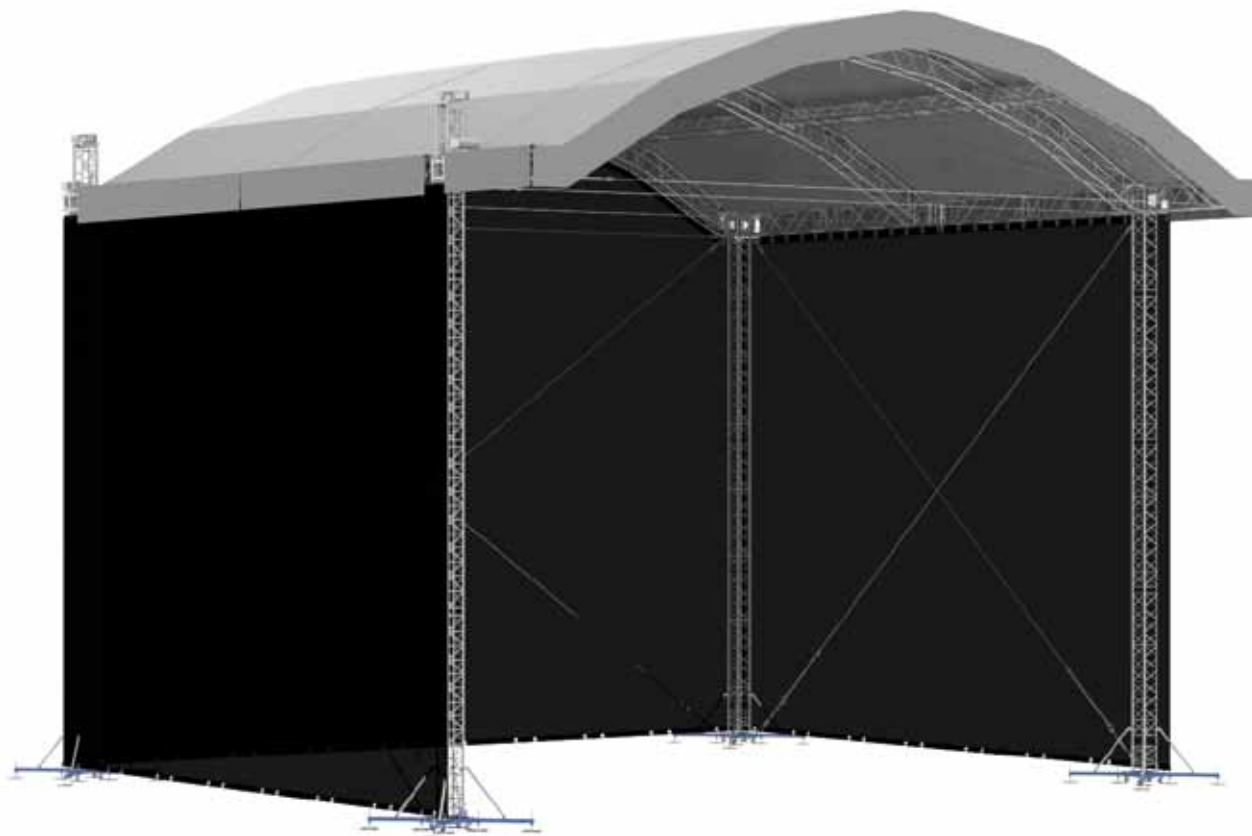


Technical specifications

		Stage size ›	20x12 m (65.62x39.37 ft)	16x12 m (52.50x39.37 ft)	
Dimensions	A	Internal width	20.50 m (67.26 ft)	16.50 m (54.13 ft)	
	B	Overall external width	23.12 m (75.85 ft)	19.12 m (62.73 ft)	
	C	Internal depth	13.03 m (42.75 ft)	13.03 m (42.75 ft)	
	D	Overall external depth	15.65 m (51.35 ft)	15.65 m (51.35 ft)	
	E	Side clearance	11.53 m (37.83 ft)	11.53 m (37.83 ft)	
	F	Middle clearance	14.30 m (46.92 ft)	14.30 m (46.92 ft)	
	G	Overall height	14.90 m (48.88 ft)	14.90 m (48.88 ft)	
	H	Cantilever depth	2.70 m (8.86 ft)	2.70 m (8.86 ft)	

Loading capacity

		Stage size ›	20x12 m (65.62x39.37 ft)	16x12 m (52.50x39.37 ft)	
Loading capacity	Main grid	Uniformly distributed (UDL)	5456 kg (12018 lbs)	4365 kg (9615 lbs)	
		or 8x Point loads of 800kg	8000 kg (17621 lbs)	6400 kg (14097 lbs)	
	PA wing	Central Point load (CPL)	1500 kg (3304 lbs)	1500 kg (3304 lbs)	
	* See structural report for exact load positioning				



Operational Specifications

Design standards	<p>DIN EN 13814 (2005)</p> <p>DIN 1055-4</p> <p>DIN 4113</p> <p>DIN 18800</p> <p>• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report</p>	<p>Fairground and amusement park machinery and structures</p> <p>Actions on structures / wind</p> <p>Design of aluminium structures</p> <p>Design of steel structures</p>
Wind management	<p>In service</p> <p>20.8m/s - 74km/h - 46mph (Max. gust wind speed)</p> <p>* Calculations based on 30% minimum permeable side canopies</p> <p>* Side canopies to be removed above this windspeed if not considered</p> <p>Out of service</p> <p>28.3m/s - 100km/h - 62mph (Max. gust wind speed)</p> <p>Training recommended</p>	
Ballast	<p>This can vary per tower from 4750kg / 10462lbs up to 12634kg / 27828lbs and depends on:</p> <ul style="list-style-type: none"> • 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	<p>B1 fire retardant canopy on request, in keders</p> <p>Silvergrey; other colors or inside black on request</p> <p>B1 fire retardant side nets in compliance with latest Eurocodes</p>	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Stage size >	20x12 m	(65.62x39.37 ft)	16x12 m	(52.50x39.37 ft)	
Self-weight	* Exact self-weight depends on configuration	4680 kg	(10308 lbs)	3200 kg	(7048 lbs)	
Transport volume	* Packed in carton boxes and bubble foil	80 m³	(2825 ft³)	70 m³	(2472 ft³)	