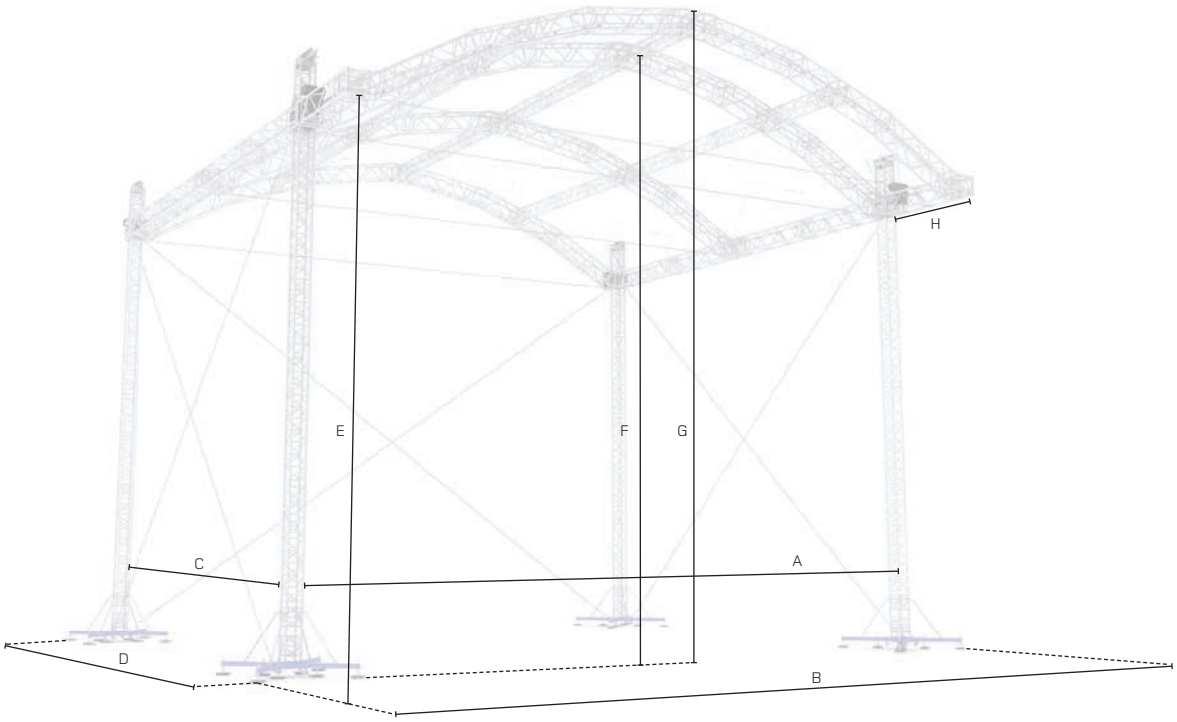
Milos. Works better.

We cover you!

MR4 arched roofs

- MR4 Mega-Arc Roof structure for temporary events
- MT2 self-climbing towers upto 12,5 m high (41.01 ft) with M400 / M520 main grid
- keystone 'arch' created using standard straight sections & angled hinge parts
- fast connection for quick, simple and secure assembly
- supplied complete with internal wind bracing wires & connection accessories
- full structural calculation report & build manual available
- PVC roof colour and side walls options
- integrated tower base / stage components available
- PA wing options available on request



TECHNICAL SPECIFICATIONS

		Stage size ›	20x12 m	65,62x52,50 ft	16x12 m	52,50x45,90 ft		
Dimensions	A	Width internal	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	Depth internal	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	Clearance side	11,53 m	37.83 ft	11,53 m	37.83 ft		
	F	Clearance middle	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	65,62x52,50 ft	16x12 m	52,50x45,90 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	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	20,8m/s - 74km/h - 46mph (Max. gust windspeed)
	* Calculations based on 30% minimum permeable side canopies	
	* Side canopies to be removed above this windspeed 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 4750kg / 10462bs up to 12634kg / 27828lbs 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 on request, in kedders	
	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 ›	20x12 m	65,62x52,50 ft	16x12 m	52,50x45,90 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 m^3	2825 ft^3	70 m^3	2472 ft^3		