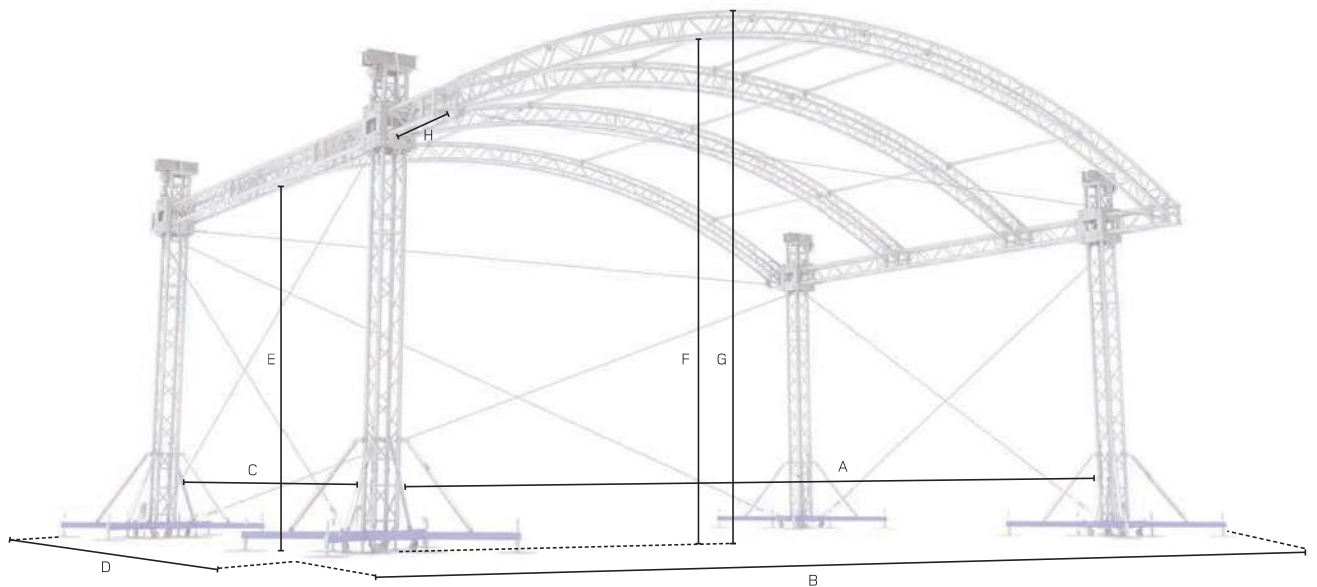


# We've got you covered **MR1T** arched roofs

- 10x6 m (32.81x19.69 ft) Arched Roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Quatro arches
- Fast connection for quick, simple and secure assembly
- Operate with manual chain block or electric chain hoist (bracket required)
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & build manual available
- PVC roof colour and side walls options
- PA wing options available on request
- Integrated tower base / stage components available



TECHNICAL SPECIFICATIONS							
Dimensions		Stage size ›	10x6 m	32.80x19.70 ft	8x6 m	26.25x19.70 ft	
	A	Internal width	10.50 m	34.45 ft	8.50 m	27.89 ft	
	B	Overall external width	12.83 m	42.09 ft	10.83 m	35.53 ft	
	C	Internal depth	6.15 m	20.18 ft	6.15 m	20.18 ft	
	D	Overall external depth	8.48 m	27.82 ft	8.48 m	27.82 ft	
	E	Side clearance	4.05 m	13.29 ft	4.05 m	13.29 ft	
	F	Middle clearance	5.60 m	18.37 ft	5.34 m	17.52 ft	
	G	Overall height	5.91 m	19.39 ft	5.63 m	18.47 ft	
	H	Cantilever depth	1.00 m	3.28ft	1.00 m	3.28 ft	

LOADING CAPACITY							
Loading capacity		Stage size ›	10x6 m	32.80x19.70 ft	8x6 m	26.25x19.70 ft	
	Arches front and rear	Uniformly distributed (UDL)	30 kg/m	20 lbs/ft	30 kg/m	20 lbs/ft	
	Arches mid	Uniformly distributed (UDL)	20 kg/m	13 lbs/ft	20 kg/m	13 lbs/ft	
	Side truss	Uniformly distributed (UDL)	30 kg/m	20 lbs/ft	30 kg/m	20 lbs/ft	
	PA load	2x Point load at cantilever	150 kg	330 lbs	150 kg	330 lbs	*If no load on front arch
* See structural report for exact load positioning							



## OPERATIONAL SPECIFICATIONS

Design standards	<p>DIN EN 13814 (2005)</p> <p>DIN EN 1991 / Eurocode 1</p> <p>DIN EN 1999 / Eurocode 9</p> <p>DIN EN 1993 / Eurocode 3</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</p> <p>Design of aluminium structures</p> <p>Design of steel structures</p>
Wind management	<p>In service</p> <p>17.8m/s - 64km/h - 40mph (Max. gust wind speed)</p> <p>* Calculations based on 100% closed side canopies</p> <p>* Side canopies to be removed above this wind speed if not considered</p> <p>Out of service</p> <p>28.0m/s - 100km/h - 62mph (Max. gust wind speed)</p>	
Ballast	<p>This can vary per tower from 1300kg / 2863lbs up to 3082kg / 6789lbs and depends on:</p> <ul style="list-style-type: none"> <li>• If tower bases are interconnected or free standing</li> <li>• Layout of canopies</li> <li>• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)</li> <li>• Friction material used between screw jacks, padding and sub soil</li> </ul>	
Canopy & sidewalls	<p>B1 fire retardant canopy on request, single piece format or in keder profiles on request</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	10x6 m	32.80x19.70 ft	8x6 m	26.25x19.70 ft		
Self-weight	* Exact self-weight depends on configuration	1834 kg	4040 lbs	1034 kg	2278 lbs		
Transport volume	* Packed in carton boxes and bubble foil	20 m <sup>3</sup>	706 ft <sup>3</sup>	15 m <sup>3</sup>	530 ft <sup>3</sup>		