

**Technical Specifications - M145RV**

Types	Rectangular (RV)
Alloy	EN AW 6082 T6
Main Tubes (Chords)	100 x 8 mm
Braces	60 x 60 x 3,5 / 50 x 4 mm
Coupling System	Pin / Fork connection

**Type M145RV**

Allowable Normal Force in Main Chord	N	200.00	kN
Allowable Normal Force in Diagonals vertical	N	63.30	kN
Allowable Normal Force in Diagonals horizontal	N	46.24	kN
Surface area Complete Truss	A	92.49	cm <sup>2</sup>
Moment of Inertia Y-axis	I <sub>y</sub>	380147.94	cm <sup>4</sup>
Moment of Inertia Z-axis	I <sub>z</sub>	94303.02	cm <sup>4</sup>
Allowable bending moment Y-axis	M <sub>y</sub>	540.00	kNm
Allowable bending moment Z-axis	M <sub>z</sub>	272.00	kNm
Allowable shear force Z-axis	Q <sub>z</sub> /V <sub>z</sub>	116.84	kN
Allowable shear force Y-axis	Q <sub>y</sub> /V <sub>y</sub>	39.81	kN
Self-weight	kg	50.00	kg/m

**M145RV - Standard available Lengths and Codes**

Metres	Feet	Code
2,40	8	M145RV-L240
3,00	9.84	M145RV-L300
4,80	16	M145RV-L480
6,00	19.69	M145RV-L600

**Other Lengths on request**