

Technical Specifications - B100RV Series

Types	Rectangular (R)
Alloy	EN AW 6082 T6
Main Tubes (Chords)	60 x 6 mm
Braces	48 x 3 mm
Coupling System	CCS7

Type

B100RV

Allowable Normal Force in Main Chord	N	63.90	kN
Allowable Normal Force in Diagonals	N	33.93	kN
Surface area Complete Truss	A	40.72	cm ²
Moment of Inertia Y-axis	I _y	78211.50	cm ⁴
Moment of Inertia Z-axis	I _z	23522.60	cm ⁴
Allowable bending moment Y-axis	M _y	121.41	kNm
Allowable bending moment Z-axis	M _z	66.46	kNm
Allowable shear force Z-axis	Q _z /V _z	61.57	kN
Allowable shear force Y-axis	Q _y /V _y	31.08	kN
Self-weight	kg	25.00	kg/m

B100RV Series - Standard available Lengths and Codes

Metres	Feet	Code
0.50/1.00 m in 5 mm steps	0.82'/3.28', in 0.2' steps	
0,74	2.43	B100RV-L074
0,80	2.62	B100RV-L080
1,00	3.28	B100RV-L100
1,20	3.94	B100RV-L120
1,60	5.25	B100RV-L160
2,00	6.56	B100RV-L200
2,40	7.87	B100RV-L240
2,50	8.20	B100RV-L250
3,00	9.84	B100RV-L300
3,20	10.50	B100RV-L320
3,50	11.48	B100RV-L350
4,00	13.12	B100RV-L400
4,80	15.74	B100RV-L480

Other Lengths on request