

Technical Specifications - S66 Series

Types	Rectangular (R), Square (V)
Alloy	EN AW 6082 T6
Main Tubes (Chords)	50 x 4 mm
Braces	30 x 3 mm
Coupling System	CCS7

Type	S66R		
Allowable Normal Force in Main Chord	N	41,62	kN
Allowable Normal Force in Diagonals	N	20,36	kN
Surface area Complete Truss	A	23,12	cm ²
Moment of Inertia Y-axis	I _y	18335,3	cm ⁴
Moment of Inertia Z-axis	I _z	3400,0	cm ⁴
Allowable bending moment Y-axis	M _y	50,78	kNm
Allowable bending moment Z-axis	M _z	--	kNm
Allowable shear force Z-axis	Q _z /V _z	31,24	kN
Allowable shear force Y-axis	Q _y /V _y	--	kN
Self-weight	kg	17	kg/m

S66 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		
1,00	3.28	S66R-L100
1,50	4.92	S66R-L150
1,74*	5.71	S66R-L174
2,00	6.56	S66R-L200
2,50*	8.20	S66R-L250
3,00	9.84	S66R-L300
3,26*	10.69	S66R-L326
3,50	11.48	S66R-L350
4,00	13.12	S66R-L400

*on • indicate R for Rectangular, V for Square truss.