

## 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

### S66V

Type	S66V		
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 <sup>2</sup>
Moment of Inertia Y-axis	I <sub>y</sub>	18335,3	cm <sup>4</sup>
Moment of Inertia Z-axis	I <sub>z</sub>	3550,0	cm <sup>4</sup>
Allowable bending moment Y-axis	M <sub>y</sub>	50,78	kNm
Allowable bending moment Z-axis	M <sub>z</sub>	--	kNm
Allowable shear force Z-axis	Q <sub>z</sub> /V <sub>z</sub>	31,24	kN
Allowable shear force Y-axis	Q <sub>y</sub> /V <sub>y</sub>	--	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	S66V-L100
1,50	4.92	S66V-L150
1,74*	5.71	S66V-L174
2,00	6.56	S66V-L200
2,50*	8.20	S66V-L250
3,00	9.84	S66V-L300
3,26*	10.69	S66V-L326
3,50	11.48	S66V-L350
4,00	13.12	S66V-L400

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