

Technical Specifications - S52 Series

Types	Folding (F), Square (V)
Alloy	EN AW 6082 T6
Main Tubes (Chords)	50 x 4 mm
Braces	S52F - 25 x 3 mm S52V/SV - 30 x 3 mm
Coupling System	CCS7

Type	S52V		
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	10906,2	cm ⁴
Moment of Inertia Z-axis	I _z	--	cm ⁴
Allowable bending moment Y-axis	M _y	39,12	kNm
Allowable bending moment Z-axis	M _z	--	kNm
Allowable shear force Z-axis	Q _z /V _z	28,79	kN
Allowable shear force Y-axis	Q _y /V _y	--	kN
Self-weight	kg	15	kg/m

S52V - 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
0,50	1.64	S52V-L050
0,60	1.97	S52V-L060
0,80	2.62	S52V-L080
1,00	3.28	S52V-L100
1,20	3.94	S52V-L120
1,50	4.57	S52V-L150
1,60	5.25	S52V-L160
2,00	6.56	S52V-L200
2,40	7.87	S52V-L240
2,50	8.20	S52V-L250
3,00	9.84	S52V-L300
3,20	10.50	S52V-L320
4,00	13.12	S52V-L400