

Technical Specifications - S36 Series

Types	Rectangular (R), Square (V)
Alloy	EN AW 6082 T6
Main Tubes (Chords)	50 x 4 mm
Braces	25 x 3 mm
Coupling System	CCS7

Type S36R

Allowable Normal Force in Main Chord	N	41,62	kN
Allowable Normal Force in Diagonals	N	16,59	kN
Surface area Complete Truss	A	23,12	cm ²
Moment of Inertia Y-axis	I _y	4445,1	cm ⁴
Moment of Inertia Z-axis	I _z	1250,0	cm ⁴
Allowable bending moment Y-axis	M _y	24,89	kNm
Allowable bending moment Z-axis	M _z	--	kNm
Allowable shear force Z-axis	Q _z /V _z	23,46	kN
Allowable shear force Y-axis	Q _y /V _y	--	kN
Self-weight	kg	10,5	kg/m

S36 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		
0,50	1.64	S36R-L050
0,60	1.97	S36R-L060
0,80	2.62	S36R-L080
1,00	3.28	S36R-L100
1,20	3.94	S36R-L120
1,50	4.92	S36R-L150
1,60	5.25	S36R-L160
2,00	6.56	S36R-L200
2,40	7.87	S36R-L240
2,50	8.20	S36R-L250
3,00	9.84	S36R-L300
3,20	10.50	S36R-L320
3,50	11.48	S36R-L350
4,00	13.12	S36R-L400