

Technical Specifications - H40R

Types	Rectangle
Alloy	EN AW 6082 T6
Main Tubes (Chords)	48x3
Braces	20x2
Coupling System	CCS6

Type H40R

Allowable Normal Force in Main Chord	N	30.54	kN
Allowable Normal Force in Diagonals vertical	N	9.05	kN
Allowable Normal Force in Diagonals horizontal	N	9.05	kN
Surface area Complete Truss	A	2.073	cm ²
Moment of Inertia Y-axis	I _y	4179.5	cm ⁴
Moment of Inertia Z-axis	I _z	1920	cm ⁴
Allowable bending moment Y-axis	M _y	20.7	kNm
Allowable bending moment Z-axis	M _z	14.6	kNm
Allowable shear force Z-axis	Q _z /V _z	12.8	kN
Allowable shear force Y-axis	Q _y /V _y	5.21	kN
Self-weight	kg	7.1	kg/m

H40R - Standard available Lengths and Codes

Metres	Feet	Code*
0.25/1.00 m in 5 mm steps	0.82'/3.28', in 0.2' steps	
0,25	0.83	H40R-L025
0,50	1.90	H40R-L050
0,75	2.46	H40R-L075
1,00	3.28	H40R-L100
1,50	4.57	H40R-L150
2,00	6.56	H40R-L200
2,50	8.20	H40R-L250
3,00	9.84	H40R-L300
3,50	11.48	H40R-L350
4,00	13.12	H40R-L400