

Technical Specifications - H40V

Types	Ladder (L), Triangular (D), Square (V)
Alloy	EN AW 6082 T6
Main Tubes (Chords)	48,3 x 3 mm
Braces	20 x 2 mm
Coupling System	CCS6

Type	H40V		
Allowable Normal Force in Main Chord	N	30,54	kN
Allowable Normal Force in Diagonals	N	9,05	kN
Surface area Complete Truss	A	16,96	cm ²
Moment of Inertia Y-axis	I _y	4179,5	cm ⁴
Moment of Inertia Z-axis	I _z	4179,5	cm ⁴
Allowable bending moment Y-axis	M _y	20,70	kNm
Allowable bending moment Z-axis	M _z	20,70	kNm
Allowable shear force Z-axis	Q _z /V _z	12,80	kN
Allowable shear force Y-axis	Q _y /V _y	12,80	kN
Self-weight	kg	6,9	kg/m

H40 series - 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	0.82	H40V-L025
0,50	1.90	H40V-L050
0,75	2.46	H40V-L075
0,81	2.65	H40V-L081
1,00	3.28	H40V-L100
1,50	4.57	H40V-L150
2,00	6.56	H40V-L200
2,50	8.20	H40V-L250
3,00	9.84	H40V-L300
3,50	11.48	H40V-L350
4,00	13.12	H40V-L400
4,50	14.76	H40V-L450
5,00	16.40	H40V-L500