

Technical Specifications - D75T

Types	Tower truss
Alloy	EN AW 6082 T6
Main Tubes (Chords)	80 x 10 mm
Braces	40 x 3 mm
Coupling System	Pin / Fork connection

Type

D75T

Allowable Normal Force in Main Chord	N	156.67	kN
Allowable Normal Force in Diagonals	N	27.90	kN
Surface area Complete Truss	A	87.96	cm ²
Moment of Inertia Y-axis	I _y	89341.24	cm ⁴
Moment of Inertia Z-axis	I _z	89341.24	cm ⁴
Allowable bending moment Y-axis	M _y	209.94	kNm
Allowable bending moment Z-axis	M _z	209.94	kNm
Allowable shear force Y-axis	Q _z /V _z	46.80	kN
Allowable shear force Z-axis	Q _y /V _y	46.80	kN
Self-weight	kg	40.00	kg/m

D75T - 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 D75T-L100

2,00 6.56 D75T-L200

3,00 9.84 D75T-L300

3,85 12.62 D75T-L385

4,00 13.11 D75T-L400

6,00 19.68 D75T-L600

Other Lengths on request