

Technical Specifications - X30 Series

Types	Ladder (L), Triangular (D), Square (V)
Alloy	EN AW 6082 T6
Main Tubes (Chords)	51 x 2 mm
Braces	16 x 2 mm
Coupling System	CCS6

Type

X30D

Type	X30D		
Allowable Normal Force in Main Chord	N	22,17	kN
Allowable Normal Force in Diagonals	N	7,04	kN
Surface area Complete Truss	A	9,24	cm ²
Moment of Inertia Y-axis	I _y	771,2	cm ⁴
Moment of Inertia Z-axis	I _z	763,1	cm ⁴
Allowable bending moment Y-axis	M _y	4,59	kNm
Allowable bending moment Z-axis	M _z	5,30	kNm
Allowable shear force Z-axis	Q _z /V _z	8,62	kN
Allowable shear force Y-axis	Q _y /V _y	4,98	kN
Self-weight	kg	3,8	kg/m

X30 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	X30D-L025
0,29	0.95	X30D-L029
0,50	1.64	X30D-L050
0,71	2.33	X30D-L071
0,75	2.46	X30D-L075
1,00	3.28	X30D-L100
1,50	4.57	X30D-L150
2,00	6.56	X30D-L200
2,50	8.20	X30D-L250
3,00	9.84	X30D-L300
3,50	11.48	X30D-L350
4,00	13.12	X30D-L400
4,50	14.76	X30D-L450
5,00	16.40	X30D-L500