



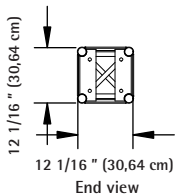
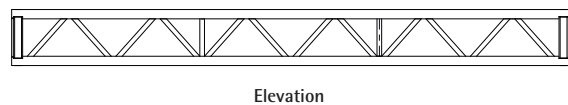
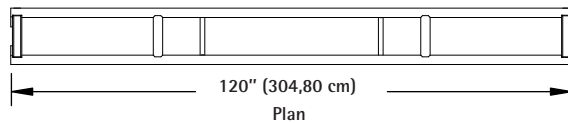
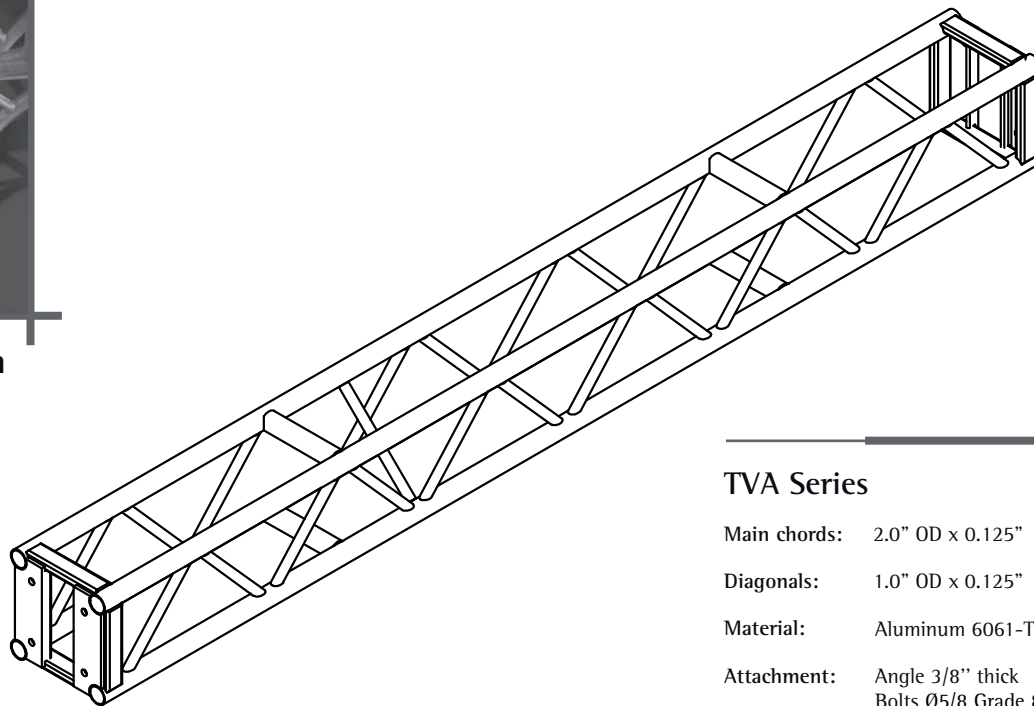
TRUSS • SUPPORT SYSTEMS • STAGING

Evolution Series 1212 LIGHT DUTY TRUSS PLATED

TVA-1212-B
TVC-1212-B



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TVA Series

- Main chords: 2.0" OD x 0.125"
- Diagonals: 1.0" OD x 0.125"
- Material: Aluminum 6061-T6
- Attachment: Angle 3/8" thick
Bolts Ø5/8 Grade 8
- Fabrication: Fabricated by certified welders

TVC Series (option)

- Main chords: 1.9" OD x 0.145"
- Diagonals: 1.0" OD x 0.125"
- Material: Aluminum 6061-T6
- Attachment: Angle 3/8" thick
Bolts Ø5/8 Grade 8
- Fabrication: Fabricated by certified welders



1 888 515-1704 / 450 515-1705 / sales@arcofab.com



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Evolution Series
1212 LIGHT DUTY TRUSS PLATED

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**ALLOWABLE
LOAD DATA**

Span	Uniformly distributed load				Concentrated load			
	Load		Deflection		Load		Deflection	
ft (m)	lb/ft (kg/m)	lb (kg)	in (mm)	in (mm)	lb (kg)	in (mm)	in (mm)	
10 (3.05)	430.0 (639.6)	4300 (1950)	0.21 (5.3)	0.21 (5.3)	2150 (975)	0.2 (5.1)	0.2 (5.1)	
20 (6.10)	119.5 (177.8)	2390 (1084)	0.73 (18.5)	0.73 (18.5)	1195 (542)	0.63 (16.0)	0.63 (16.0)	
30 (9.15)	53.0 (78.8)	1590 (721)	1.45 (36.8)	1.45 (36.8)	795 (361)	1.36 (34.5)	1.36 (34.5)	
40 (12.20)	26.6 (39.6)	1065 (483)	2.39 (60.8)	2.39 (60.8)	530 (240)	2.24 (56.9)	2.24 (56.9)	

Notes

- Data presented in this chart apply to trusses built after January 2011.
- Trusses must be loaded symmetrically on each side.
- All loads must be applied at, or as close as possible to, node points (see General Section).
- For point loads exceeding 200 lb (90 kg) and hung by sling baskets, the load must be located at, or as close as possible to, a transverse bar.
- Deflections are based on the rigidity of the trusses and do not include possible movement between trusses due to attachment tolerance.
- Data are valid for inside use only.
- Data are only valid for static loads and spans with two supporting points (span must be supported at each end). If dynamic loads or more supporting points are applied, contact a professional engineer or Arcofab.
- Bolts must be tightened to 120 to 140 foot pounds of torque.

TVA-1212-B			TVC-1212-B (option)		
Main chords: 2.0" OD x 0.125" Diagonals: 1.0" OD x 0.125"			Main chords: 1.9" OD x 0.145" Diagonals: 1.0" OD x 0.125"		
Item	Weight lb (kg)	Description	Item	Weight lb (kg)	
TVA-1212-120B	60 (27.2)	10' - 12" x 12"	TVC-1212-120B	66 (29.9)	
TVA-1212-096B	50 (22.7)	8' - 12" x 12"	TVC-1212-096B	53 (24.0)	
TVA-1212-060B	35 (15.9)	5' - 12" x 12"	TVC-1212-060B	37 (16.8)	
TVA-1212-048B	30 (13.6)	4' - 12" x 12"	TVC-1212-048B	32 (14.5)	
CEA-1212-690B	25 (11.3)	6-WAY CORNER*	CEC-1212-690B	26 (11.8)	

- Other lengths and accessories are available if requested.
- * When corners are loaded on two adjacent faces, reduce the capacity of the trusses to 50%.