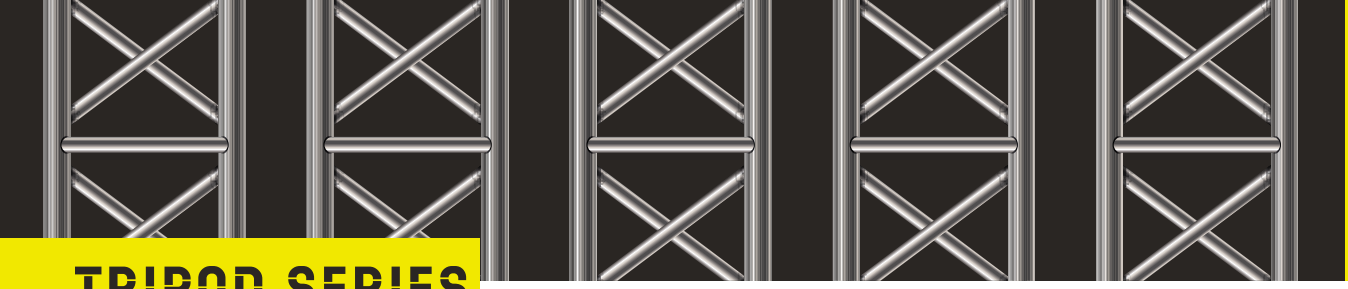
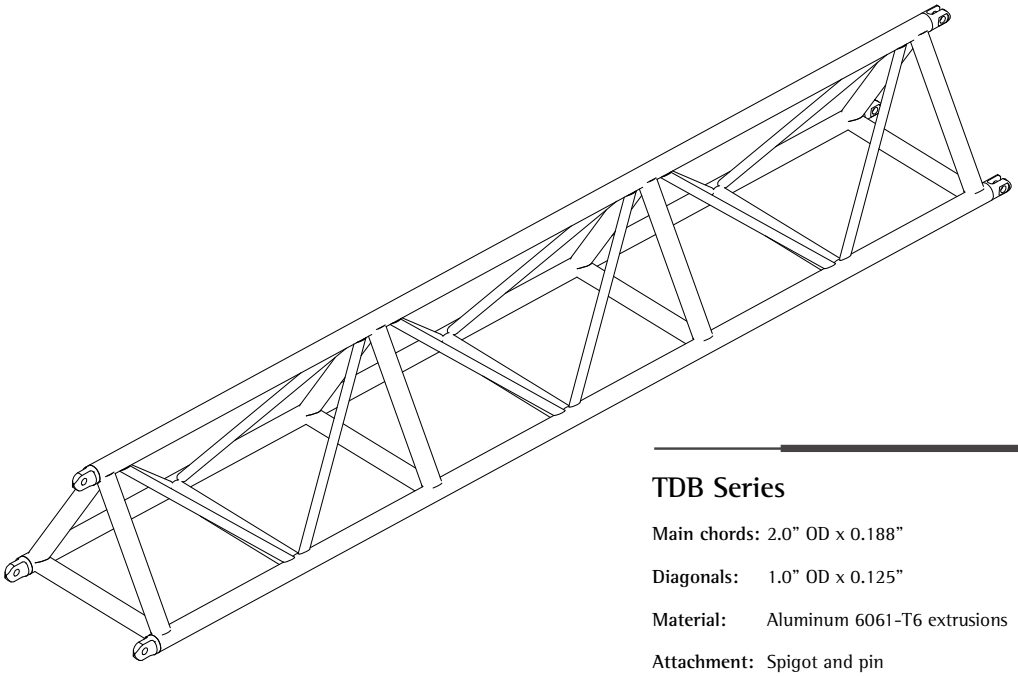


TRIPOD SERIES

20 FIXED TRIANGLE MEDIUM DUTY TRUSS SPIGOTED

TDB-20FX-S
TDD-20FX-S



TDB Series

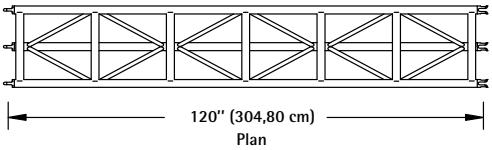
Main chords: 2.0" OD x 0.188"

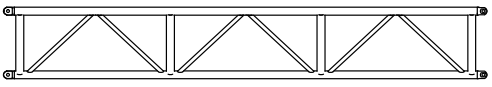
Diagonals: 1.0" OD x 0.125"

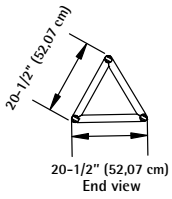
Material: Aluminum 6061-T6 extrusions

Attachment: Spigot and pin

Fabrication: Fabricated by certified welders







TDD Series (option)

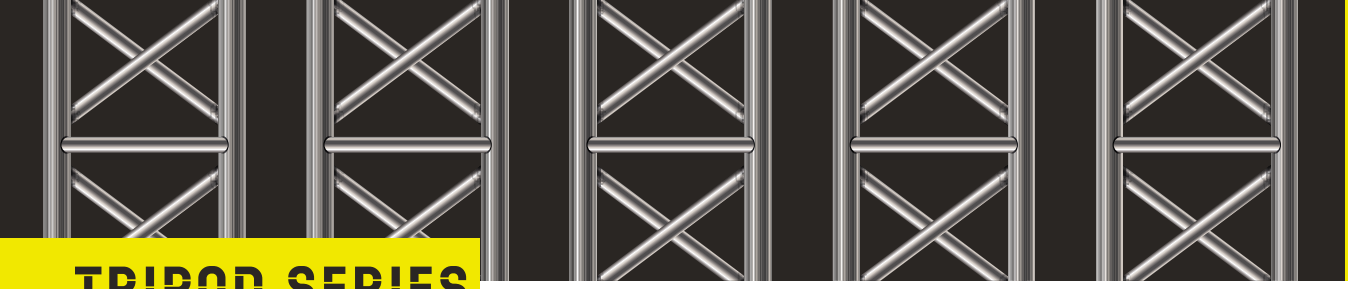
Main chords: 1.9" OD x 0.200"

Diagonals: 1.0" OD x 0.125"

Material: Aluminum 6061-T6 extrusions

Attachment: Spigot and pin

Fabrication: Fabricated by certified welders

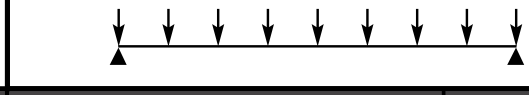


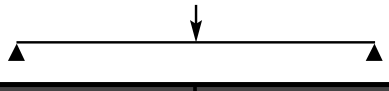
TRIPOD SERIES

20 FIXED TRIANGLE MEDIUM DUTY TRUSS SPIGOTED

TDB-20FX-S
TDD-20FX-S

ALLOWABLE LOAD DATA





Span		Uniformly distributed load						Concentrated load			
		Load				Deflexion		Load		Deflexion	
ft	*(m)*	lb/ft	*(kg/m)*	lb	*(kg)*	in	*(mm)*	lb	*(kg)*	in	*(mm)*
10	*(3.05)*	540.0	*(803.3)*	5400	*(2449)*	0.14	*(3.6)*	3900	*(1769)*	0.15	*(3.8)*
20	*(6.10)*	220.0	*(327.3)*	4400	*(1995)*	0.50	*(12.7)*	2000	*(907)*	0.39	*(9.9)*
30	*(9.15)*	92.3	*(137.3)*	2770	*(1256)*	1.02	*(25.9)*	1430	*(649)*	0.89	*(22.6)*
40	*(12.20)*	50.0	*(74.4)*	2000	*(907)*	1.78	*(45.2)*	960	*(435)*	1.46	*(37.1)*
50	*(15.24)*	29.0	*(43.1)*	1450	*(658)*	2.71	*(68.8)*	730	*(331)*	2.33	*(59.2)*

Notes

- Data presented in this chart apply to trusses built after January 2002.
- 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).
- Deflexions 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 Unisson.

TDB-20FX-S			TDD-20FX-S (option)	
Main chords: 2.0" OD x 0.188" Diagonals: 1.0" OD x 0.125"			Main chords: 1.9" OD x 0.200" Diagonals: 1.0" OD x 0.125"	
Item	Weight lb *(kg)*	◄ Description ►	Item	Weight lb *(kg)*
TDB-20FX-120S	83 *(37.6)*	10' - 20.5"	TDD-20FX-120S	83 *(37.6)*
TDB-20FX-096S	70 *(31.8)*	8' - 20.5"	TDD-20FX-096S	70 *(31.8)*
TDB-20FX-060S	48 *(21.8)*	5' - 20.5"	TDD-20FX-060S	48 *(21.8)*
TDB-20FX-048S	42 *(19.1)*	4' - 20.5"	TDD-20FX-048S	42 *(19.1)*

- Other lengths and accessories are available if requested.