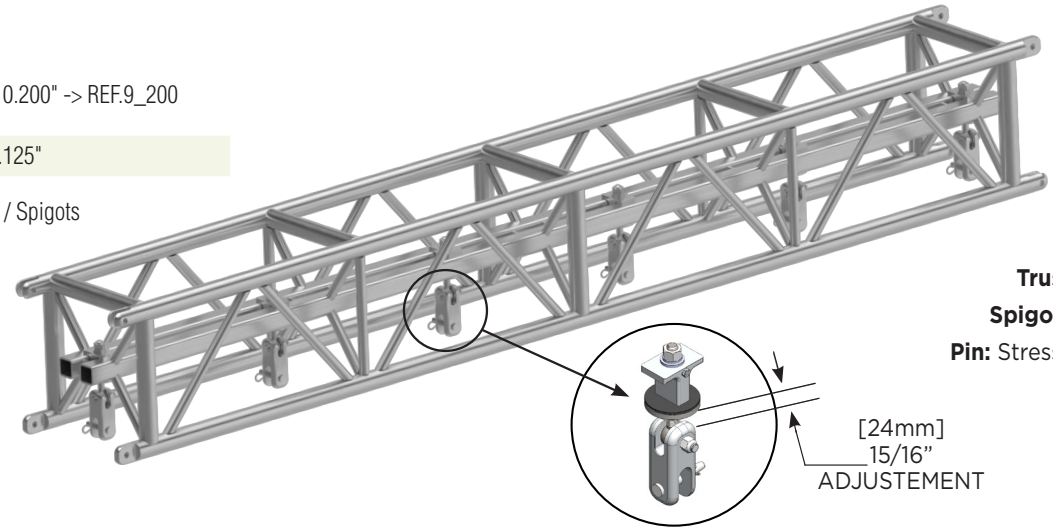
UNIVERSAL LED SERIES

TIUL- 1616-F.9_200 **PRE-RIG**

MAIN CHORDS	1.9" OD x 0.200" -> REF.9_200
DIAGONALS	1" OD x 0.125"
CONNECTION STYLE	Pin Ø5/8" / Spigots

PATENT PENDING – BREVET EN ATTENTE

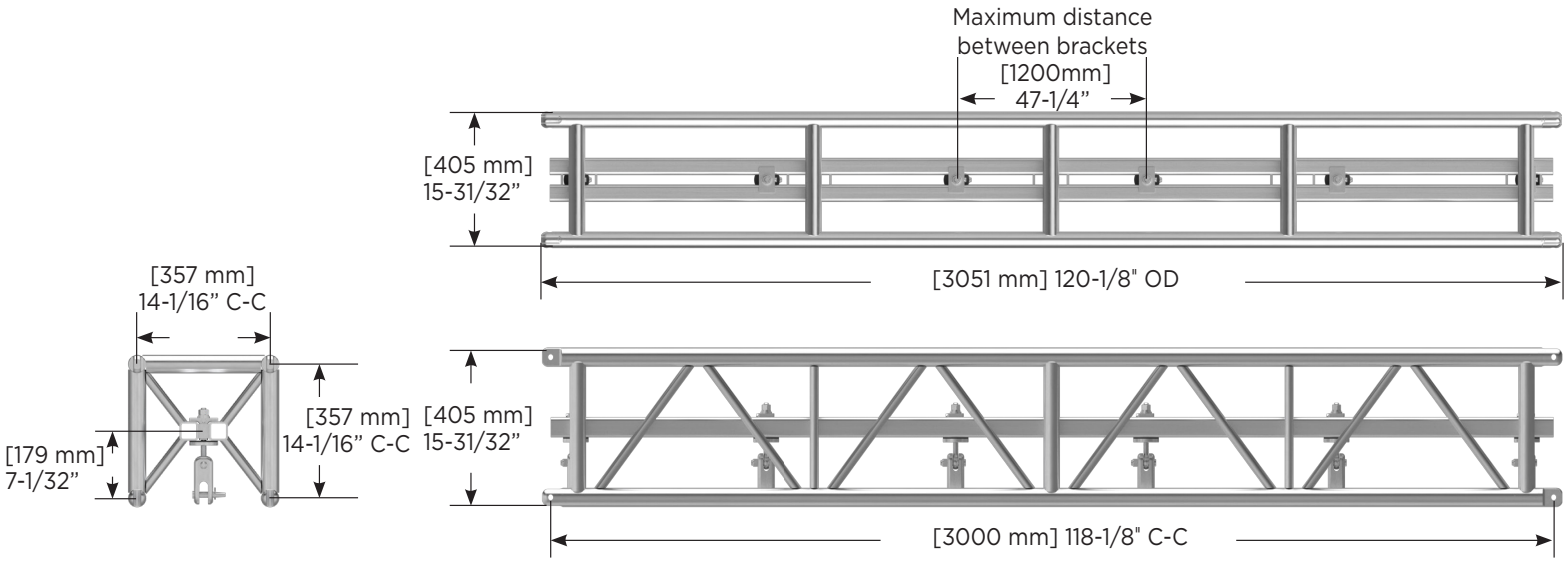


MATERIAL

Truss: 6061-T6

Spigots: 6061-T6

Pin: Stressproof 1144



MAIN CHORDS
1.9" OD x 0.200"

WEIGHT lbs	WEIGHT (kg)	Items references				LENGTH*
53	(24)	TIUL-	1616	-M100	F.9_200	1 000mm ->
72	(32)	TIUL-	1616	-M150	F.9_200	1 500mm ->
91	(41)	TIUL-	1616	-M200	F.9_200	2 000mm ->
113	(51)	TIUL-	1616	-M250	F.9_200	2 500mm ->
131	(59)	TIUL-	1616	-M300	F.9_200	<- 3 000 mm ->

The indicated weights includes the truss and brackets.

*Custom lengths available upon request (also available in imperial).

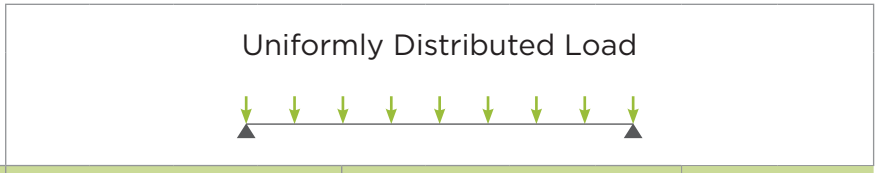
CWB certificationcwb

MANUFACTURED BY CERTIFIED WELDERS

UNIVERSAL LED SERIES

TIUL- 1616-F.9_200 **PRE-RIG**

ALLOWABLE LOAD TABLE



Span Length		Load Capacity per bracket spacing				Load Capacity not on the center track (only on main chords)				Deflection	
ft	(m)	lb/0.5m	lb/0.6m	lb/1m	lb/1.2m	lb/ft	(kg/m)	lb	(kg)	in	(mm)
8	(2.44)	1300	1300	1300	1300	986	(1467)	7888	(3578)	0,04	(1)
10	(3.05)	1270	1300	1300	1300	774	(1152)	7743	(3512)	0,08	(1.9)
16	(4.88)	767	920	1300	1300	467	(696)	7479	(3393)	0,31	(7.8)
20	(6.1)	535	642	1070	1284	326	(485)	6521	(2958)	0,53	(13.4)
24	(7.32)	364	437	728	873	222	(330)	5323	(2415)	0,76	(19.3)
30	(9.14)	224	269	448	538	137	(203)	4096	(1858)	1,19	(30.2)
32	(9.75)	194	233	388	465	118	(176)	3781	(1715)	1,35	(34.3)
40	(12.19)	115	138	230	276	70	(104)	2808	(1274)	2,11	(53.7)
48	(14.63)	72	87	145	174	44	(66)	2119	(961)	3,04	(77.3)
50	(15.24)	65	78	130	155	39	(59)	1975	(896)	3,30	(83.8)

NOTES

- Capacities shown in this table are valid for structures manufactured after January 2022.
- Trusses must be loaded uniformly on both sides of their longitudinal axis.
- Loads must be applied to or as close as possible to the nodes of the trusses.
- Deflection of truss is theoretical and based solely on their rigidity. It therefore does not take into account the possible movement between the truss sections due to the tolerance of the pins/bolts.
- Data are valid for indoor and outdoor use:
  - Snow and rain load must not exceed truss's load capacity.
  - Maximum **constant wind speed of 32 km/h (20 mph).**
  - Maximum **gust wind speed of 80 km/h (49 mph).**
- Trusses are hung from the top chord only.
- Data are valid only for static loads and span, with two support points (one at each end).
  - If dynamic loads or more attachment points are needed, contact **Therio Innovation**.
- Never exceed maximum load capacity (uniformly distributed).
- Never exceed maximum load per bracket.
- The use of a load cell on chain hoists is highly recommended.
- The truss must be leveled when load is applied to it.
- Maximum span between brackets is **47-1/4" (1,200 mm)**.
- Maximum screen height limited to **39'4" (12.0 m)**.