

## **CWT** Catwalk Truss

Originally designed as a Catwalk Truss but redesigned to a multi versatile heavy load catwalk trus.

CWT Truss is the most innovative and versatile structure which can be used as a catwalk truss with aluminium inlay and as two functions as the truss can be used in flat and/ or upright position. By using the special combo connection you have a connical spigot with on the contraside a gable connector. The gable connector is turnable so it can be used horizontally and vertically (to make round shapes).

The truss can be ordered with a wagon (dolly wagon) which can be placed on top or under the truss.

The truss is integrated with fixed welded receivers in order to fix the wagon on top (rigging position) or under the truss (in dolly position). If the wagon is placed under the truss you can leave your lighting fixtures attached and store or transport the Catwalk truss as it is turned into an integrated dolly. The CWT Truss is equipped with square tubes on the bottom side and carries various holes to attach and fix couplers for the lighting fixtures.

The innovative CWT Truss has proven to be a pure riggers delight!

Made with the fast connection system and approved according the DIN EN 1999-1-1 & 1999-1-1/A2 (Eurocode 9).

#### Facts

- One solution for three applications
- Functional design and easy assembly
- Saving trucking volume
- Hinges for various hanging
- High wear resistance
- TüV approved
- 4mm wall thickness of main tubes

#### Specifications CWT Catwalk truss

CWT Truss section	Metric	Imperial			
High inside: Width inside: High outside: Width outside:	350 mm 750 mm 400 mm 800 mm	13.78 in 29.53 in 15.75 in 31.50 in			
Main Tube: Braces: Material: Square braces: Material:	50 x 4 mm 40 (30) x 3 mm EN AW-6082 T6 50 x 50 x 4 mm EN AW-6060	1.97 x 0.16 in 1.57 (1.18) x 0.12 in 1.97 x 1.97 x 0.16 in			
Weight excl. catwalk: Weight incl. catwalk: Connection:	21,6 kg 40,1 kg CS3-CON	47.6 in 88.4 in			
Pre Rig Upright	Metric	Imperial			
Hanging: Transport:	520 x 810 mm 400 x 800 mm	20.47 x 31.89 in 15.75 x 31.50 in			
Pre Rig flat	Metric	Imperial			
Hanging: Transport:	810 x 520 mm 800 x 400 mm	31.89 x 20.47 in 31.50 x 15.75 in			
CWT Truss complete	Metric	Imperial			
Hanging: Transport:	1580 x 800 mm 1790 x 844 mm	62.20 x 31.50 in 70.47 x 33.23 in			





# **CWT** Loading charts

Metric loading charts

Flat position Span*	U <u>~~~~~~</u>		C A	PL ✓	1/3 Poi ~	int Load ▽	1/4 Poi	int Load ▼ ▼	1/5 Po 	int Load v v
	kg/m		kg		kg (2x)		kg (3x)		kg (4x)	
10	240	67	1201	55	901	69	601	64	501	68
20	45	275	449	239	337	279	225	266	187	277
30	9	645	131	609	99	649	66	636	55	647
Upright position										
Span*	kg/m	mm* *	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
10	538	31	2475	23	1896	30	1345	30	1121	32
20	119	127	1194	106	895	129	597	122	497	128
30	42	292	628	254	471	296	314	282	261	293

\* in meters / \*\* mm is the deflection of the truss at the given load

### Imperial loading charts

Flat position Span*	U <u> </u>			ΡL 7 Δ	1/3 Poi ~	int Load ▼	1/4 Poi 	nt Load	1/5 Poi 	nt Load vv
	lbs/ft		lbs/ft		lbs/ft (2x)		lbs/ft (3x)		lbs/ft (4x)	
32,81	161.3	2.6	807.0	2.1	605.4	2.7	403.8	2.5	336.6	1.18
65,62	30.2	10.8	301.7	9.4	226.4	10.9	151.1	10.4	125.6	4.8
98,43	6.0	25.3	88.0	23.9	66.5	25.5	44.3	25	36.9	11.1
Upright position										
Span*	lbs/ft	in**	lbs/ft	in	lbs/ft (2x)	in	lbs/ft (3x)	in	lbs/ft (4x)	in
32,81	361.6	1.2	1663.1	0.9	1274.0	1.1	903.7	1.18	753.2	1.2
65,62	79.9	5	802.3	4.1	601.4	5	401.1	4.8	333.9	5
98,43	28.2	11.4	421.9	10	316.4	11.6	210.9	11.1	175.3	11.5

\* in feet / \*\* in is the deflection of the truss at the given load Loading figures are based on Eurocde 9 standards and calculated according DIN EN 1991-1-1 (& /A2); to comply to ANSI, the loading data needs to be multiplied by 0,85.

