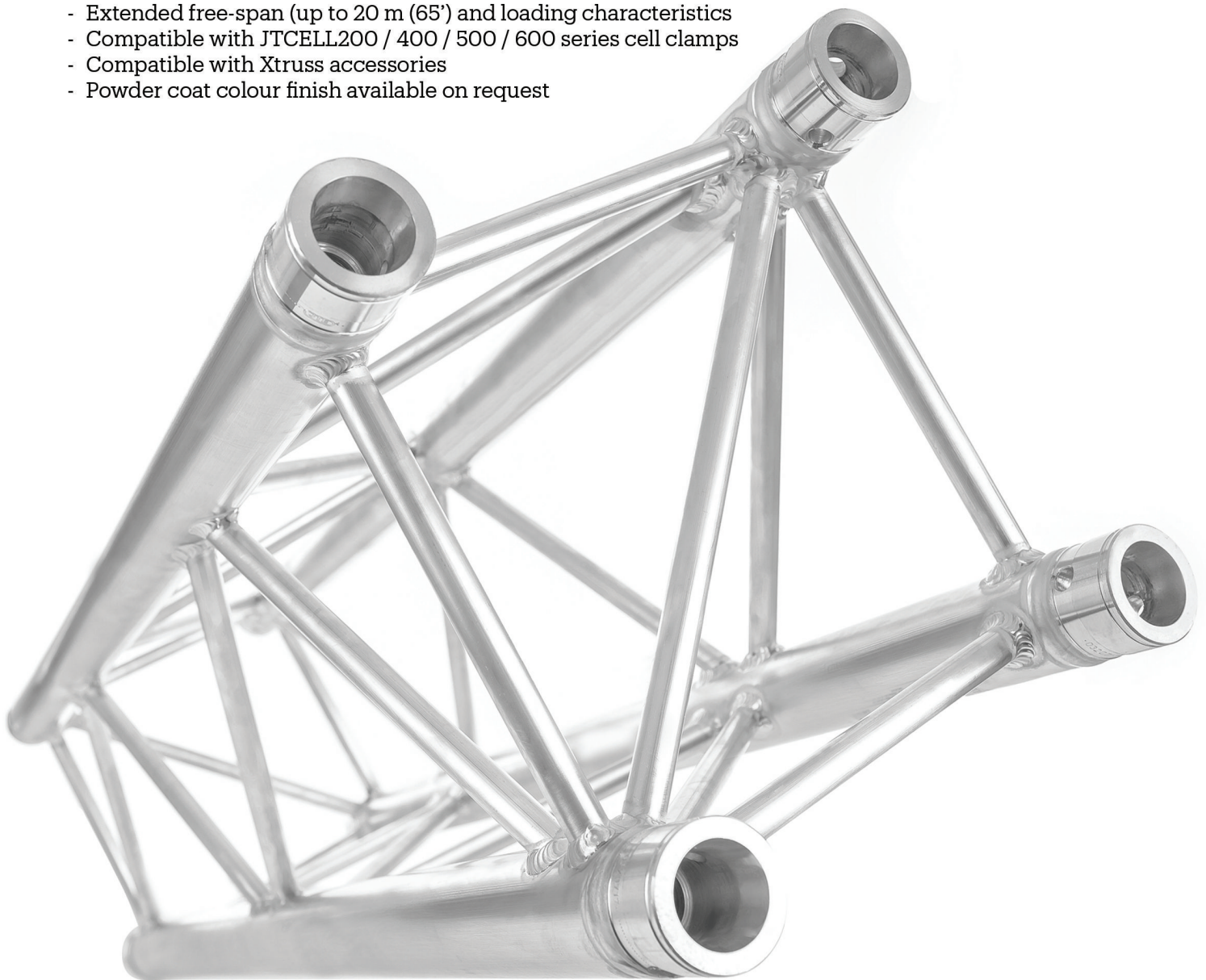


JT30

conical truss

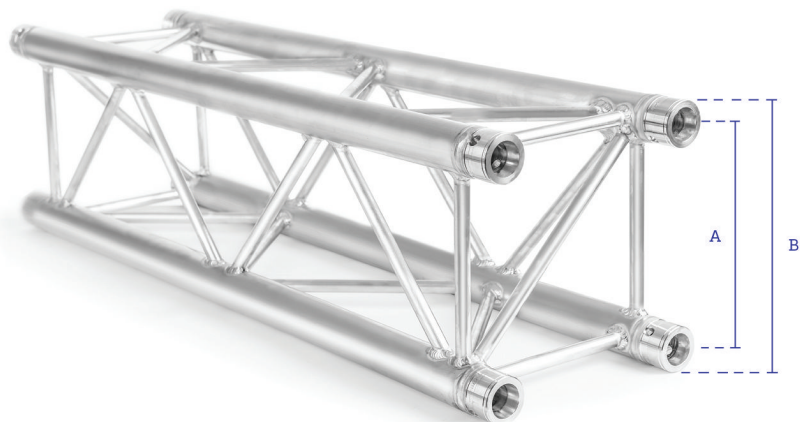
The JT30 series is our standard, mid-sized conical truss for multi-purpose use. Constructed from high quality 50 mm (2") aluminium tubes, it features a diagonal anti-twist end brace for extended durability. Conical connectors allow for quick, simple and secure assembly. Perfect for both interior and exterior applications.

- High quality 50 mm (2") aluminium tubes
- Conical connectors for quick, simple and secure assembly
- Anti-twist end brace for extreme durability
- Extended free-span (up to 20 m (65')) and loading characteristics
- Compatible with JTCELL200 / 400 / 500 / 600 series cell clamps
- Compatible with Xtruss accessories
- Powder coat colour finish available on request





JT30 QUATRO



Code:			4CF30
Main tubes:	mm	in	50x2 (2"x3/32")
Braces:	mm	in	16x2 (5/8"x3/32")
Alloy:			EN - AW-6082 T6
A	mm	in	240 (9 7/16")
B	mm	in	290 (11 13/32")
Coupler:			CCF

Standard lengths and weights

Code	4CF30-L500	4CF30-L1000	4CF30-L1500	4CF30-L2000	4CF30-L2500	4CF30-L3000	4CF30-L4000	4CF30-L5000
m ft	0.50 (1' 8")	1.00 (3' 3")	1.50 (4' 11")	2.00 (6' 7")	2.50 (8' 2")	3.00 (9' 10")	4.00 (13' 1")	5.00 (16' 5")
kg lbs	3.5 (7.72)	5.7 (12.57)	7.9 (17.42)	10.0 (22.05)	12.2 (26.90)	14.4 (31.75)	18.8 (41.45)	23.1 (50.94)

Loading chart

Span m	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
4	428.5	11.4	1022	10.9	703	12.8	554	14	428.5	13.8
5	341.8	22.4	841	17.7	593	21.2	446	22.2	356	22.5
6	253.8	34.6	712	26.1	508	31.6	373	32.3	301	33.2
7	185.1	47.2	612	36	442	44	324	44.9	259	45.7
8	140.6	61.7	537	47.7	392	58.7	281.1	58.7	227	60.3
9	110	78.1	475	60.9	349	75.2	247.5	74.4	200	76.5
10	88.1	96.5	425	75.8	314	93.9	220.3	92	180	95.4
12	59.7	139.4	347	110.8	260	138.3	179	133	149.2	140.4
14	42.5	190.3	289	152.6	219	190.6	148.7	181.9	124	191.6
16	31.4	249.4	250.8	207.1	188.1	254.1	125.4	238.9	104.5	251.1

Span ft	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (3x)	in	lbs (4x)	in
13' 1"	287.94	7/16"	686.75	27/64"	472.39	1/2"	372.27	35/64"	287.94	17/32"
16' 5"	229.68	7/8"	565.12	11/16"	398.47	53/64"	299.70	55/64"	239.22	7/8"
19' 8"	170.54	1 23/64"	478.44	11/64"	341.36	1 15/64"	250.64	1 17/64"	202.26	1 19/64"
22' 12"	124.38	1 27/32"	411.24	1 13/32"	297.01	1 23/32"	217.72	1 49/64"	174.04	1 51/64"
26' 3"	94.48	2 27/64"	360.84	1 7/8"	263.41	2 19/64"	188.89	2 19/64"	152.54	2 23/64"
29' 6"	73.92	3 1/16"	319.18	2 25/64"	234.51	2 61/64"	166.31	2 59/64"	134.39	3 "
32' 10"	59.20	3 51/64"	285.58	2 31/32"	211.00	3 11/16"	148.03	3 39/64"	120.95	3 3/4"
39' 4"	40.12	5 31/64"	233.17	4 23/64"	174.71	5 7/16"	120.28	5 15/64"	100.26	5 33/64"
45' 11"	28.56	7 31/64"	194.20	6 "	147.16	7 1/2"	99.92	7 5/32"	83.32	7 17/32"
52' 6"	21.10	9 13/16"	168.53	8 9/64"	126.40	10"	84.26	9 25/64"	70.22	9 7/8"

TRIO figures are based on use in apex up/down orientation

All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self weight of trusses included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector • Structural calculations made in 2014 are based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 / ANSI E12-2006 / CWA 15902-2 • For any other application, or in case of an assembled structure, contact JTE or a Structural Engineer • Safety factors used – self weight 1.35 / loading 1.5