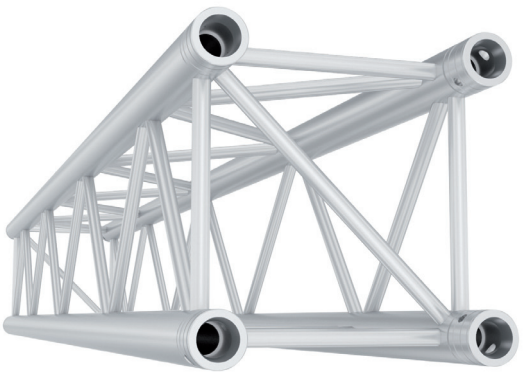
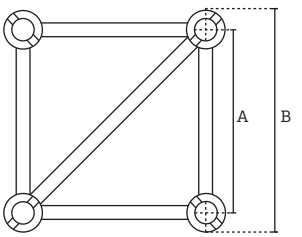
JT30H QUATRO

- High quality 48 mm (1 7/8") heavy-duty aluminium tubes
- Versatile system widely used for PA Towers, Rigging Towers and Roofs
- 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





Code:			4CF30H
Main Chords:	mm	in	48x3 (1 7/8"x7/64")
Diagonals:	mm	in	16x2 (5/8"x3/32")
Alloy:			EN-AW 6082 T6
A	mm	in	239 (9 7/16")
B	mm	in	287 (11 21/64")
Coupler:			CCF

Standard lengths and weights

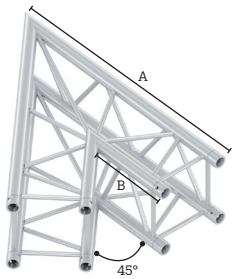
Code	4CF30H-L500	4CF30H-L1000	4CF30H-L1500	4CF30H-L2000	4CF30H-L2500	4CF30H-L3000	4CF30H-L4000	4CF30H-L5000
m / ft	0.50 (1' 8")	1.00 (3' 3")	1.50 (4' 11")	2.00 (6' 7")	2.50 (8' 2")	3.00 (9' 10")	4.00 (13' 1")	5.00 (16' 5")
kg / lbs	3.9 (8.60)	6.8 (14.99)	9.6 (21.17)	12.4 (27.34)	15.2 (33.52)	18.1 (39.91)	23.9 (52.70)	29.4 (64.83)

Loading chart

Span	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
4	427.5	8.2	1456	11.1	855.1	11.1	570.1	10.3	427.5	9.8
5	340.8	15.9	1198	17.9	852.1	21.6	568.1	20.1	426.1	19.2
6	283	27.6	1009	26.2	721	31.8	528.2	32.5	424.6	33.2
7	241.8	43.8	873	36.3	628	44.2	450	44.2	367	45.9
8	195.5	60.8	762	47.8	557	59.1	390.9	57.8	325.8	61.2
10	123	95.1	614.8	77.1	447	94.3	307.4	90.6	256.1	95.8
12	83.6	137.3	501.4	111.8	376	140.1	250.7	130.9	208.9	138.3
14	59.8	187.3	418.7	153.6	314	191.1	209.3	178.9	174.4	188.7
16	44.4	245.4	355.1	202.7	266.4	250.2	177.6	234.7	148	247.1
18	33.8	311.7	304.4	259.6	228.3	317.5	152.2	298.7	126.8	313.8

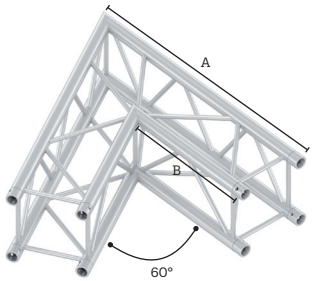
Span	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
ft	lbs/ft	in	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in
13' 1"	287.26	5/16"	978.38	27/64"	574.59	27/64"	383.09	25/64"	287.26	3/8"
16' 5"	229.00	5/8"	805.01	45/64"	572.58	27/32"	381.74	25/32"	286.32	3/4"
19' 8"	190.17	1 5/64"	678.01	1 1/32"	484.48	1 1/4"	354.93	1 17/64"	285.32	1 19/64"
22' 12"	162.48	1 23/32"	586.62	1 27/64"	421.99	1 47/64"	302.38	1 47/64"	246.61	1 51/64"
26' 3"	131.37	2 25/64"	512.04	1 7/8"	374.28	2 5/16"	262.67	2 17/64"	218.93	2 13/32"
32' 10"	82.65	3 47/64"	413.12	3 1/32"	300.37	3 45/64"	206.56	3 9/16"	172.09	3 49/64"
39' 4"	56.18	5 25/64"	336.92	4 25/64"	252.66	5 33/64"	168.46	5 9/64"	140.37	5 7/16"
45' 11"	40.18	7 23/64"	281.35	6 3/64"	211.00	7 33/64"	140.64	7 1/32"	117.19	7 27/64"
52' 6"	29.84	9 21/32"	238.61	7 31/32"	179.01	9 27/32"	119.34	9 15/64"	99.45	9 23/32"
59' 1"	22.71	12 17/64"	204.55	10 7/32"	153.41	12 1/2"	102.27	11 3/4"	85.20	12 11/32"

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applies in the node points • Self-weight of the truss included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural calculations are based on EN 1991, EN 1993 and EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 / prEN 17115 • For any other application, or in case of an assembled structure contact JTE or a structural engineer • Included safety factors: self-weight 1.35 / loading 1.50



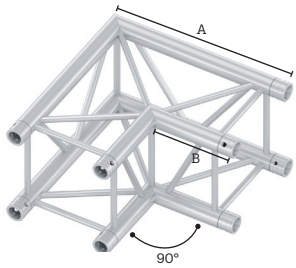
2 way corner 45°

Code	kg	lbs	mm	in
4CF30H-J19	8.7	(19.18)	A 1000	(39 23/64")
			B 300	(11 51/64")



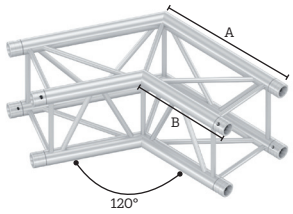
2 way corner 60°

Code	kg	lbs	mm	in
4CF30H-J20	9.6	(21.17)	A 1000	(39 23/64")
			B 498	(19 19/32")



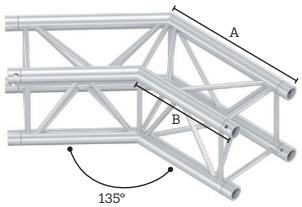
2 way corner 90°

Code	kg	lbs	mm	in
4CF30H-J21	5.1	(11.25)	A 500	(19 43/64")
			B 210	(8 17/64")



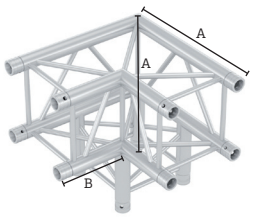
2 way corner 120°

Code	kg	lbs	mm	in
4CF30H-J22	5.8	(12.79)	A 500	(19 43/64")
			B 333	(13 7/64")



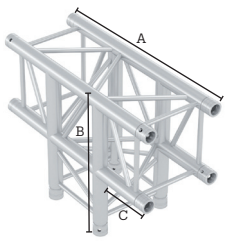
2 way corner 135°

Code	kg	lbs	mm	in
4CF30H-J23	6.2	(13.67)	A 500	(19 43/64")
			B 380	(14 61/64")



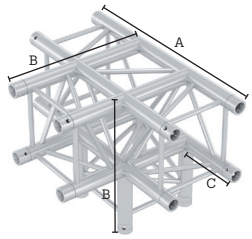
3 way corner 90°

Code	kg	lbs	mm	in
4CF30H-J30	6.8	(14.99)	A 500	(19 43/64")
			B 210	(8 17/64")



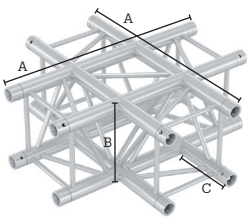
3 way T-piece

Code	kg	lbs	mm	in
4CF30H-J35	7.7	(16.98)	A 710	(27 15/16")
			B 500	(19 43/64")
			C 210	(8 17/64")



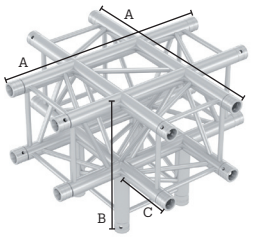
4 way T-piece leg down

Code	kg	lbs	mm	in
4CF30H-J40	9.4	(20.73)	A 710	(27 15/16")
			B 500	(19 43/64")
			C 210	(8 17/64")



4 way cross piece

Code	kg	lbs	mm	in
4CF30H-J41	9.4	(20.73)	A 710	(27 15/16")
			B 210	(8 17/64")



5 way cross down leg

Code	kg	lbs	mm	in
4CF30H-J51	11.1	(24.48)	A 710	(27 15/16")
			B 500	(19 43/64")
			C 210	(8 17/64")