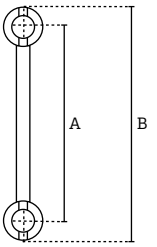
JT30 DUO

- 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



Code:		2CF30
Main Chords:	mm in	50x2 (2"x3/32")
Diagonals:	mm in	16x2 (5/8"x3/32")
Alloy:		EN – AW-6082 T6
A	mm in	239 (9 13/32")
B	mm in	289 (11 3/8")
Coupler:		CCF

Standard lengths and weights

Code	2CF30-L500	2CF30-L1000	2CF30-L1500	2CF30-L2000	2CF30-L2500	2CF30-L3000	2CF30-L4000	2CF30-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	**1.50** (3.31)	**2.50** (5.51)	**3.4** (7.50)	**4.3** (9.48)	**5.3** (11.69)	**6.2** (13.67)	**8.1** (17.86)	**10.0** (22.05)

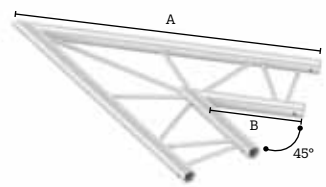
Loading chart

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
3	286.3	4.8	641	5.8	429.4	6.6	286.3	6.1	214.7	5.8
4	214	11.4	508	10.9	351	12.8	274	13.9	214	13.8
5	170.6	22.4	418	17.6	296	21.2	223	22.2	180	22.8
6	126.7	34.6	353	26	254	31.6	186	32.3	150	33.2
7	92.3	47.2	304	35.8	221	44	161.6	44.9	129	45.7
8	70	61.7	266	47.5	195	58.8	140.1	58.7	113	60.4
9	54.8	78.1	237	61	174	75.2	123.2	74.4	100	76.5
10	43.8	96.6	210	75.6	156	94	109.6	92.1	90	95.5
11	35.8	117	191	92.9	142	115	98.3	111.6	81.9	117.9
12	29.6	139.5	172	111.2	129	138.4	88.8	133.2	74	140.5

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
9' 10"	192.38	3/16"	430.73	7/32"	288.54	1/4"	192.38	15/64"	144.27	7/32"
13' 1"	143.80	7/16"	341.36	27/64"	235.86	1/2"	184.12	35/64"	143.80	17/32"
16' 5"	114.64	7/8"	280.88	11/16"	198.90	53/64"	149.85	55/64"	120.95	57/64"
19' 8"	85.14	1 23/64"	237.20	1 1/64"	170.68	1 15/64"	124.98	1 17/64"	100.79	1 19/64"
22' 12"	62.02	1 27/32"	204.28	1 13/32"	148.50	1 23/32"	108.59	1 49/64"	86.68	1 51/64"
26' 3"	47.04	2 27/64"	178.74	1 55/64"	131.03	2 5/16"	94.14	2 19/64"	75.93	2 3/8"
29' 6"	36.82	3 1/16"	159.26	2 25/64"	116.92	2 61/64"	82.79	2 59/64"	67.20	3"
32' 10"	29.43	3 51/64"	141.11	2 31/32"	104.83	3 11/16"	73.65	3 5/8"	60.48	3 3/4"
36' 1"	24.06	4 19/32"	128.34	3 21/32"	95.42	4 33/64"	66.05	4 25/64"	55.03	4 41/64"
39' 4"	19.89	5 31/64"	115.58	4 3/8"	86.68	5 7/16"	59.67	5 15/64"	49.73	5 17/32"

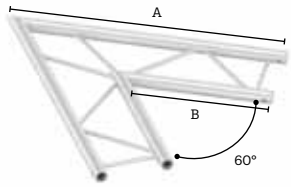
DUO figures are based on use in vertical mode and stabilized every 1 m (3' 3")

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



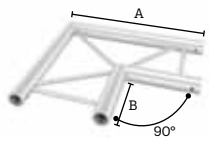
2 way horizontal corner 45°

Code	kg	lbs	mm	in
2CF30-JH19	3.1	(6.84)	A 1000	(39 23/64")
			B 300	(11 51/64")



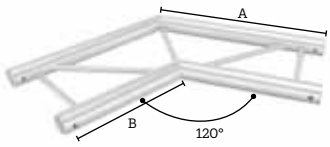
2 way horizontal corner 60°

Code	kg	lbs	mm	in
2CF30-JH20	3.4	(7.50)	A 1000	(39 23/64")
			B 498	(19 19/32")



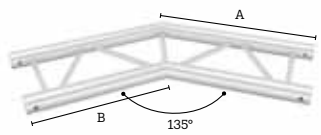
2 way horizontal corner 90°

Code	kg	lbs	mm	in
2CF30-JH21	1.9	(4.19)	A 500	(19 43/64")
			B 210	(8 17/64")



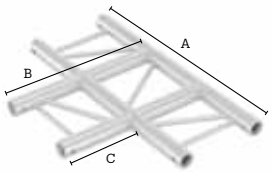
2 way horizontal corner 120°

Code	kg	lbs	mm	in
2CF30-JH22	2.1	(4.63)	A 500	(19 43/64")
			B 333	(13 7/64")



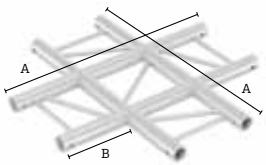
2 way horizontal corner 135°

Code	kg	lbs	mm	in
2CF30-JH23	2.3	(5.07)	A 500	(19 43/64")
			B 380	(14 61/64")



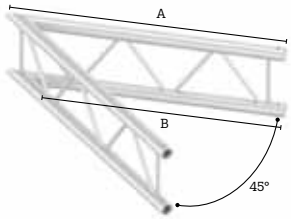
3 way horizontal T-piece

Code	kg	lbs	mm	in
2CF30-JH35	2.9	(6.39)	A 710	(27 15/16")
			B 500	(19 43/64")
			C 210	(8 17/64")



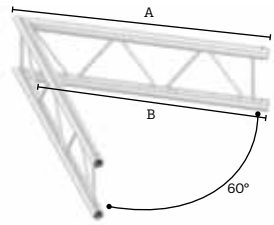
4 way horizontal cross piece

Code	kg	lbs	mm	in
2CF30-JH41	3.6	(7.94)	A 710	(27 15/16")
			B 210	(8 17/64")



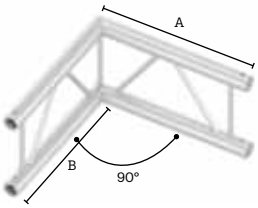
2 way vertical corner 45°

Code	kg	lbs	mm	in
2CF30-JV19	4.2	(9.26)	A 1000	(39 23/64")
			B 879	(34 19/32")



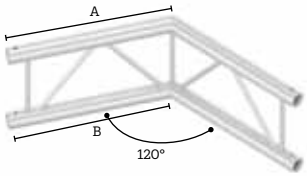
2 way vertical corner 60°

Code	kg	lbs	mm	in
2CF30-JV20	4.3	(9.48)	A 1000	(39 23/64")
			B 913	(35 15/16")



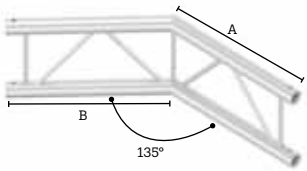
2 way vertical corner 90°

Code	kg	lbs	mm	in
2CF30-JV21	2.4	(5.29)	A 500	(19 43/64")
			B 450	(17 45/64")



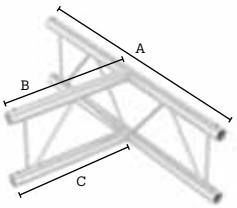
2 way vertical corner 120°

Code	kg	lbs	mm	in
2CF30-JV22	2.4	(5.29)	A 500	(19 43/64")
			B 471	(18 17/32")



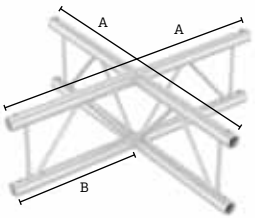
2 way vertical corner 135°

Code	kg	lbs	mm	in
2CF30-JV23	2.5	(5.51)	A 500	(19 43/64")
			B 479	(18 27/32")



3 way vertical T-piece

Code	kg	lbs	mm	in
2CF30-JV36	3.5	(7.72)	A 950	(37 25/64")
			B 500	(19 43/64")
			C 450	(17 45/64")



4 way vertical cross piece

Code	kg	lbs	mm	in
2CF30-JV41	4.7	(10.36)	A 950	(37 25/64")
			B 450	(19 43/64")