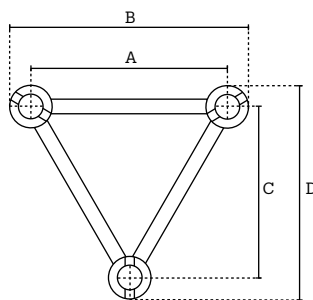


JT30 TRIO

- 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:	3CF30	
Main Chords:	mm	in
Diagonals:	mm	in
Alloy:	EN - AW-6082 T6	
A	mm	in
B	mm	in
C	mm	in
D	mm	in
Coupler:	CCF	

Standard lengths and weights

Code	3CF30-L500	3CF30-L1000	3CF30-L1500	3CF30-L2000	3CF30-L2500	3CF30-L3000	3CF30-L4000	3CF30-L5000
m	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	2.6 (5.73)	4.2 (9.26)	5.8 (12.79)	7.4 (16.32)	9.0 (19.85)	10.6 (23.37)	13.9 (30.65)	17.1 (37.71)

Loading chart

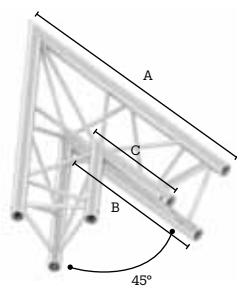
Span	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
3	444.7	7.4	620	5.5	445	6.8	327	6.9	264	7.1
4	248.5	13.2	472	10.1	343	12.4	244	12.3	201	12.9
5	157.7	20.6	383	16.1	281	20	197.2	19.6	161	20.4
6	108.4	29.7	315	23.3	234	29.2	162.6	28.3	135.5	30
7	78.7	40.5	270	32.2	200	40.2	137.7	38.6	114.7	40.8
8	59.4	53	237.5	43.1	175	53.1	118.8	50.5	99	53.4
9	46.1	67.2	207.7	54.9	155.7	68.6	103.8	64.1	86.5	67.7
10	36.7	83.1	183.4	68.2	137.6	84.8	91.7	79.4	76.4	83.7
11	29.7	100.8	163.2	83.1	122.4	102.8	81.6	96.4	68	101.5
12	24.4	120.2	146.1	99.6	109.6	122.5	73.1	115.1	60.9	121.1

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"	298.82	9/32"	416.62	13/64"	299.02	17/64"	219.73	17/64"	177.40	17/64"
13' 1"	166.98	33/64"	317.17	25/64"	230.48	31/64"	163.96	15/32"	135.06	1/2"
16' 5"	105.97	51/64"	257.36	5/8"	188.82	25/32"	132.51	49/64"	108.19	51/64"
19' 8"	72.84	1 5/32"	211.67	29/32"	157.24	1 9/64"	109.26	1 7/64"	91.05	1 11/64"
22' 12"	52.88	1 19/32"	181.43	1 17/64"	134.39	1 37/64"	92.53	1 33/64"	77.07	1 19/32"
26' 3"	39.91	2 5/64"	159.59	1 11/16"	117.59	2 5/64"	79.83	1 63/64"	66.52	2 3/32"
29' 6"	30.98	2 41/64"	139.57	2 5/32"	104.62	2 11/16"	69.75	2 33/64"	58.12	2 21/32"
32' 10"	24.66	3 17/64"	123.24	2 43/64"	92.46	3 21/64"	61.62	3 1/8"	51.34	3 9/32"
36' 1"	19.96	3 61/64"	109.66	3 17/64"	82.25	4 3/64"	54.83	3 25/32"	45.69	3 63/64"
39' 4"	16.40	4 23/32"	98.17	3 29/32"	73.65	4 13/16"	49.12	4 17/32"	40.92	4 49/64"

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

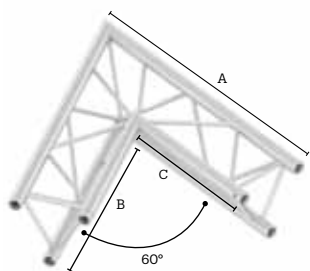
All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of 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



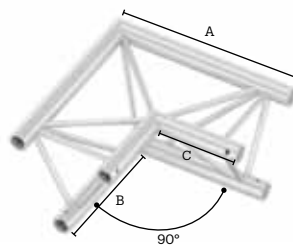
2 way corner 45°

Code	kg	lbs	mm	in
3CF30-J19	5.3	(11.69)	A 1000	(39 23/64")
			B 590	(23 7/32")
			C 300	(11 51/64")



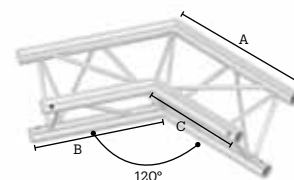
2 way corner 60°

Code	kg	lbs	mm	in
3CF30-J20	5.8	(12.79)	A 1000	(39 23/64")
			B 706	(27 25/32")
			C 498	(19 19/32")



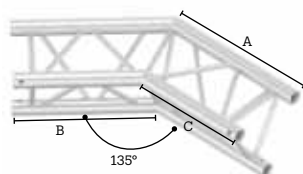
2 way corner 90°

Code	kg	lbs	mm	in
3CF30-J21	3.3	(7.28)	A 500	(19 43/64")
			B 330	(12 63/64")
			C 210	(8 17/64")



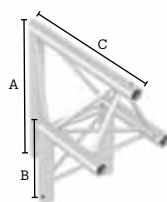
2 way corner 120°

Code	kg	lbs	mm	in
3CF30-J22	3.7	(8.16)	A 500	(19 43/64")
			B 402	(15 13/16")
			C 333	(13 7/64")



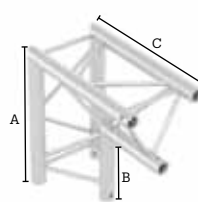
2 way corner 135°

Code	kg	lbs	mm	in
3CF30-J23	3.9	(8.60)	A 500	(19 43/64")
			B 430	(16 59/64")
			C 380	(14 61/64")



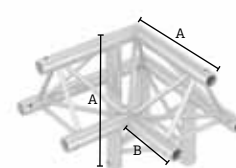
2 way corner 90° apex out

Code	kg	lbs	mm	in
3CF30-J24	3.1	(6.84)	A 500	(19 43/64")
			B 242	(9 33/64")
			C 500	(19 43/64")



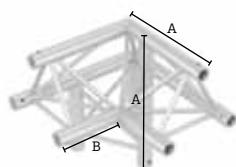
2 way corner 90° apex in

Code	kg	lbs	mm	in
3CF30-J25	3.6	(7.94)	A 500	(19 43/64")
			B 242	(9 33/64")
			C 500	(19 43/64")



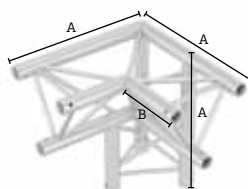
3 way corner 90° apex up right

Code	kg	lbs	mm	in
3CF30-J31	4.7	(10.36)	A 500	(19 43/64")
			B 210	(8 17/64")



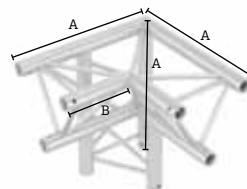
3 way corner 90° apex up left

Code	kg	lbs	mm	in
3CF30-J32	4.7	(10.36)	A 500	(19 43/64")
			B 210	(8 17/64")



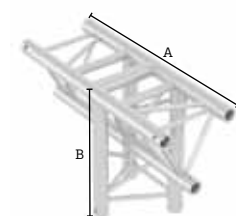
3 way corner 90° apex down right

Code	kg	lbs	mm	in
3CF30-J33	4.9	(10.80)	A 500	(19 43/64")
			B 210	(8 17/64")



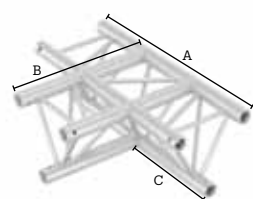
3 way corner 90° apex down left

Code	kg	lbs	mm	in
3CF30-J34	4.9	(10.80)	A 500	(19 43/64")
			B 210	(8 17/64")



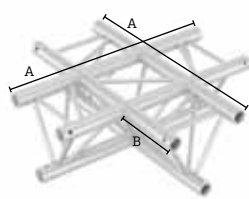
3 way vertical T-piece apex down

Code	kg	lbs	mm	in
3CF30-J35	5.5	(12.13)	A 710	(27 15/16")
			B 500	(19 43/64")



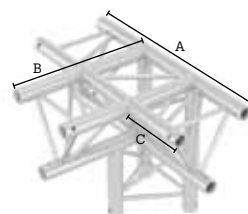
3 way horizontal T-piece

Code	kg	lbs	mm	in
3CF30-J36	4.9	(10.80)	A 710	(27 15/16")
			B 500	(19 43/64")
			C 330	(12 63/64")



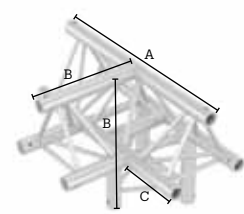
4 way cross piece

Code	kg	lbs	mm	in
3CF30-J41	6.2	(13.67)	A 710	(27 15/16")
			B 210	(8 17/64")



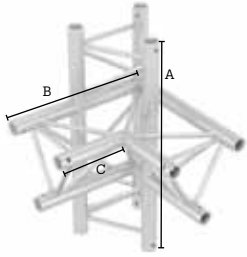
4 way T-piece apex down

Code	kg	lbs	mm	in
3CF30-J42	6.5	(14.33)	A 710	(27 15/16")
			B 500	(19 43/64")
			C 330	(12 63/64")



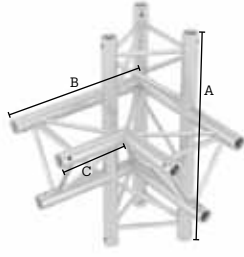
4 way T-piece apex up

Code	kg	lbs	mm	in
3CF30-J43	6.2	(13.67)	A 710	(27 15/16")
			B 500	(19 43/64")
			C 210	(8 17/64")



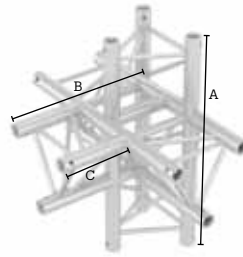
4 way corner 90° right

Code	kg	lbs	mm	in
3CF30-J44	6.4 (14.11)		A 742 (29 13/64")	
			B 500 (19 43/64")	
			C 330 (12 63/64")	



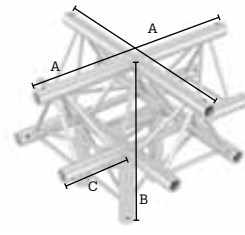
4 way corner 90° left

Code	kg	lbs	mm	in
3CF30-J45	6.4 (14.11)		A 742 (29 13/64")	
			B 500 (19 43/64")	
			C 330 (12 63/64")	



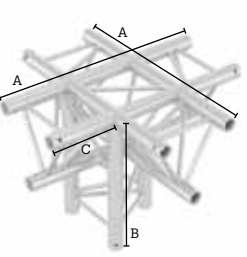
5 way T-piece

Code	kg	lbs	mm	in
3CF30-J51	8.0 (17.64)		A 742 (29 13/64")	
			B 500 (19 43/64")	
			C 710 (27 15/16")	



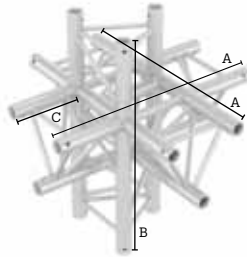
5 way cross down leg apex up

Code	kg	lbs	mm	in
3CF30-J52	7.5 (16.54)		A 710 (27 15/16")	
			B 500 (19 43/64")	
			C 210 (8 17/64")	



5 way cross down leg apex down

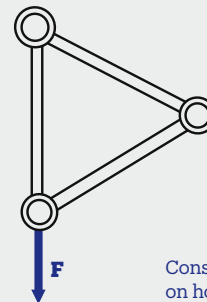
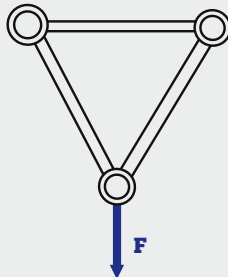
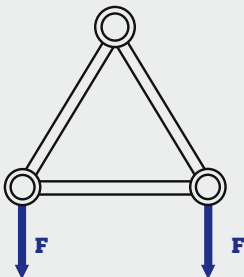
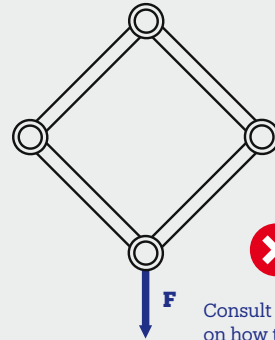
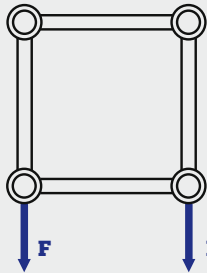
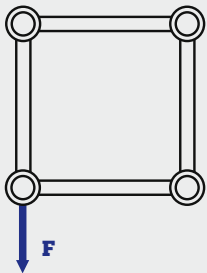
Code	kg	lbs	mm	in
3CF30-J53	7.8 (17.20)		A 710 (27 15/16")	
			B 500 (19 43/64")	
			C 210 (8 17/64")	



6 way T-piece

Code	kg	lbs	mm	in
3CF30-J61	9.3 (20.51)		A 710 (27 15/16")	
			B 742 (29 13/64")	
			C 210 (8 17/64")	

Attaching loads



Make sure:
Loads are equally divided over both bottom or top chords. Loading truss on one side lead to internal torsional forces which are not considered in the data provided.

