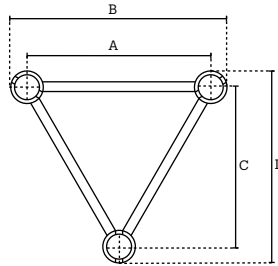


JT22 TRIO

- Compact display system
- Lightweight, modular construction
- Impressive free span parameters for its size
- Compatible with JTCELL 130 series cell clamps
- Compatible with Xtruss accessories
- Powder coat colour finish available



Code:		3CM22
Main Chords:	mm in	32x1.5 (1 1/4"x3/64")
Diagonals:	mm in	10x1.5 (25/64"x3/64")
Alloy:		EN-AW-6082 T6
A	mm in	190 (7 15/32")
B	mm in	222 (8 47/64")
C	mm in	164 (6 29/64")
D	mm in	196 (7 45/64")
Coupler:		CCM

Standard lengths and weights

Code	3CM22-L500	3CM22-L1000	3CM22-L1500	3CM22-L2000	3CM22-L2500	3CM22-L3000	3CM22-L4000
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")
kg lbs	1.2 (2.54)	2.3 (5.07)	3.5 (7.61)	4.6 (10.14)	5.8 (12.68)	6.9 (15.21)	9.2 (20.29)

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
1	450.1	0.3	315*	0.3	194*	0.4	146*	0.4	112.5	0.4
2	224.2	2.5	193*	1.7	131*	2	104*	2.2	83*	2.2
3	98.8	5.6	136*	4.2	96*	5	72*	5.2	58*	5.3
4	54.8	10	103*	7.6	75*	9.4	54*	9.4	44*	9.7
5	34.5	15.7	83*	12.3	61*	15.1	42*	14.7	35*	15.4
6	23.4	22.7	68*	18	50*	22.1	35*	21.4	29*	22.4
7	16.7	30.9	57*	24.7	43*	30.7	29*	29.3	24*	30.6
8	12.4	40.5	48*	32.7	36*	40.6	25*	38.4	20*	40.5
9	9.4	51.5	42*	42.3	32*	52	21*	48.9	18*	51.4
10	7.3	63.8	36*	52.9	27.4	64.9	18*	60.8	15.2	64.2

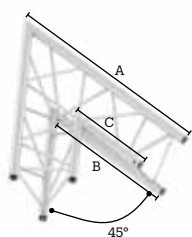
Span ft	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
	lbs/ft	in	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in
3' 3"	302.45	0"	694.58*	0"	427.77*	1/64"	321.93*	1/64"	248.06	1/64"
6' 7"	150.66	3/32"	425.57*	1/16"	288.86*	5/64"	229.32*	5/64"	183.02*	5/64"
9' 10"	66.39	7/32"	299.88*	5/32"	211.68*	3/16"	158.76*	13/64"	127.89*	13/64"
13' 1"	36.82	25/64"	227.12*	19/64"	165.38*	23/64"	119.07*	23/64"	97.02*	3/8"
16' 5"	23.18	39/64"	183.02*	15/32"	134.51*	19/32"	92.61*	37/64"	77.18*	19/32"
19' 8"	15.72	57/64"	149.94*	45/64"	110.25*	55/64"	77.16*	53/64"	63.95*	7/8"
22' 12"	11.22	113/64"	125.69*	31/32"	94.82*	113/64"	63.95*	19/64"	52.92*	113/64"
26' 3"	8.33	119/32"	105.84*	19/32"	79.38*	119/32"	55.13*	1 1/2"	44.10*	119/32"
29' 6"	6.32	2 1/64"	92.61*	1 21/32"	70.56*	2 3/64"	46.31*	1 59/64"	39.69*	2 1/64"
32' 10"	4.91	2 1/2"	79.38*	2 5/64"	60.42*	2 35/64"	39.69*	2 25/64"	33.52	2 33/64"

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

* limited by interaction of shear and moment at the connection

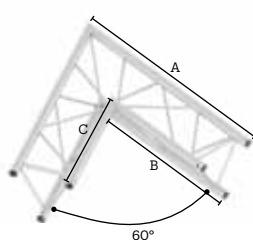
All truss loading calculations and TUV certifications are based on:

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



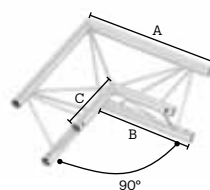
2 way corner 45°

Code	kg	lbs	mm	in
3CM22-J19	1.8	(3.97)	A 800	(31 31/64")
			B 493	(19 13/32")
			C 264	(10 25/64")



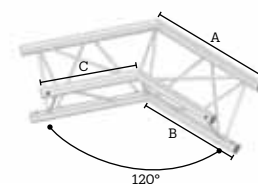
2 way corner 60°

Code	kg	lbs	mm	in
3CM22-J20	1.4	(3.09)	A 600	(23 39/64")
			B 380	(14 61/64")
			C 215	(8 29/64")



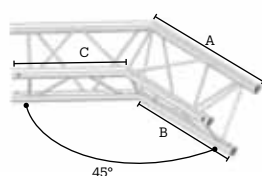
2 way corner 90°

Code	kg	lbs	mm	in
3CM22-J21	1.1	(2.43)	A 400	(15 47/64")
			B 273	(10 47/64")
			C 178	(7")



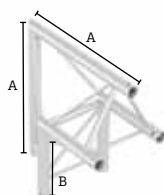
2 way corner 120°

Code	kg	lbs	mm	in
3CM22-J22	1.3	(2.87)	A 400	(15 47/64")
			B 327	(12 55/64")
			C 272	(10 45/64")



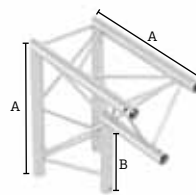
2 way corner 135°

Code	kg	lbs	mm	in
3CM22-J23	1.3	(2.87)	A 400	(15 47/64")
			B 347	(13 21/32")
			C 308	(12 1/8")



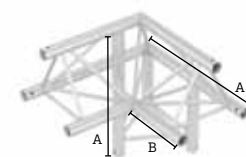
2 way corner 90° apex out

Code	kg	lbs	mm	in
3CM22-J24	1.1	(2.43)	A 400	(15 47/64")
			B 204	(8 1/32")



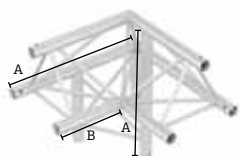
2 way corner 90° apex in

Code	kg	lbs	mm	in
3CM22-J25	1.3	(2.87)	A 400	(15 47/64")
			B 204	(8 1/32")



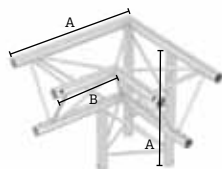
3 way corner 90° apex up right

Code	kg	lbs	mm	in
3CM22-J31	1.6	(3.53)	A 400	(15 47/64")
			B 178	(7")



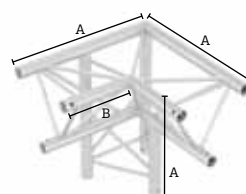
3 way corner 90° apex up left

Code	kg	lbs	mm	in
3CM22-J32	1.6	(3.53)	A 400	(15 47/64")
			B 178	(7")



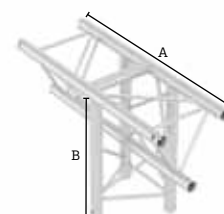
3 way corner 90° apex down right

Code	kg	lbs	mm	in
3CM22-J33	1.7	(3.75)	A 400	(15 47/64")
			B 178	(7")



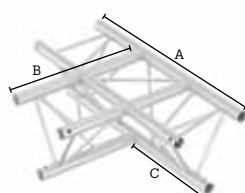
3 way corner 90° apex down left

Code	kg	lbs	mm	in
3CM22-J34	1.7	(3.75)	A 400	(15 47/64")
			B 178	(7")



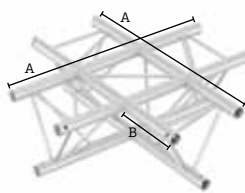
3 way vertical T-piece apex down

Code	kg	lbs	mm	in
3CM22-J35	1.8	(3.97)	A 578	(22 3/4")
			B 400	(15 47/64")
			C 203	(7 63/64")



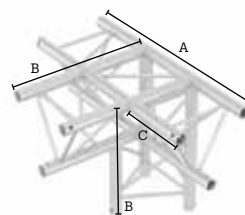
3 way horizontal T-piece

Code	kg	lbs	mm	in
3CM22-J36	1.5	(3.31)	A 578	(22 3/4")
			B 400	(15 47/64")
			C 273	(10 47/64")



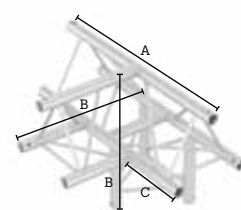
4 way cross piece

Code	kg	lbs	mm	in
3CM22-J41	1.9	(4.19)	A 578	(22 3/4")
			B 178	(7")



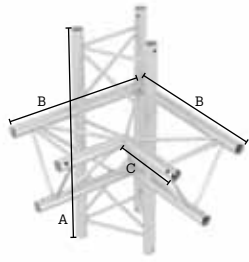
4 way T-piece apex down

Code	kg	lbs	mm	in
3CM22-J42	2.1	(4.63)	A 578	(22 3/4")
			B 400	(15 47/64")
			C 273	(10 47/64")



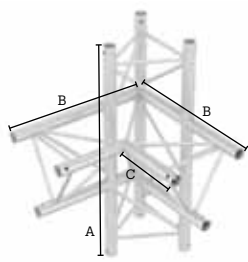
4 Way T-piece apex up

Code	kg	lbs	mm	in
3CM22-J43	2.0	(4.41)	A 578	(22 3/4")
			B 400	(15 47/64")
			C 178	(7")



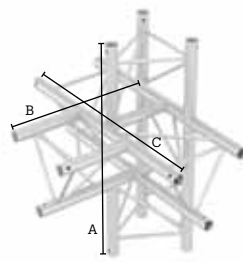
4 Way corner 90° right

Code	kg	lbs	mm	in
3CM22-J44	2.2	(4.85)	A 603.5	(23 3/4")
			B 400	(15 47/64")
			C 273	(10 47/64")



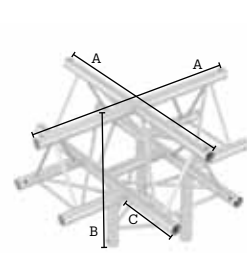
4 way corner 90° left

Code	kg	lbs	mm	in
3CM22-J45	2.2	(4.85)	A 603.5	(23 3/4")
			B 400	(15 47/64")
			C 273	(10 47/64")



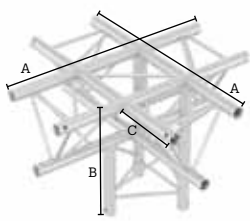
5 way T-piece

Code	kg	lbs	mm	in
3CM22-J51	2.6	(5.73)	A 603.5	(23 3/4")
			B 400	(15 47/64")
			C 578	(22 3/4")



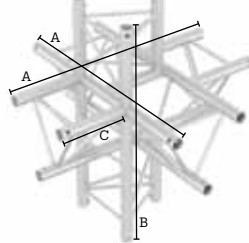
5 way cross down leg apex up

Code	kg	lbs	mm	in
3CM22-J52	2.4	(5.29)	A 578	(22 3/4")
			B 400	(15 47/64")
			C 178	(7")



5 way cross down leg apex down

Code	kg	lbs	mm	in
3CM22-J53	2.5	(5.51)	A 603.5	(23 3/4")
			B 400	(15 47/64")
			C 178	(7")

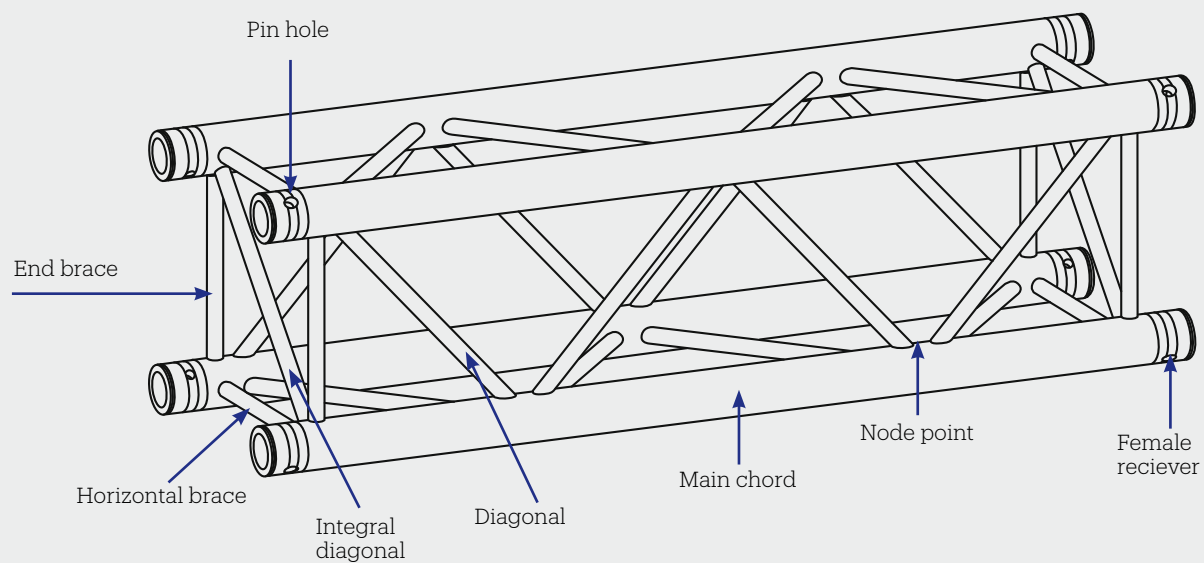


6 way T-piece

Code	kg	lbs	mm	in
3CM22-J61	3.0	(6.61)	A 578	(22 3/4")
			B 603.5	(23 3/4")
			C 178	(7")

Truss identification

Conical truss



JTE conical products can be recognised by the specific id-tag on all trusses as well as the embossed logo with unique number on each coupler. For the ease of communication truss parts have the following names.

