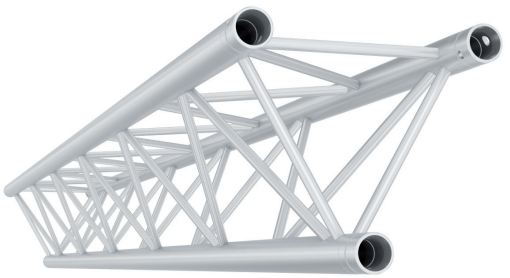
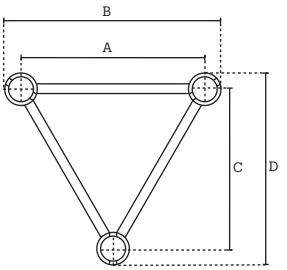
JT22 TRIO

- 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 6060 T66
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

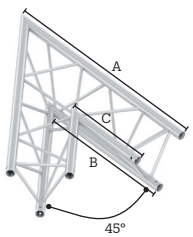
Span	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
1	450.1	0.3	315*	0.3	194*	0.4	146*	0.4	112.5	0.4
2	224.2	2.5	193*	1.7	131*	2	104*	2.2	83*	2.2
3	98.8	5.6	136*	4.2	96*	5	72*	5.2	58*	5.3
4	54.8	10	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	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
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	1 13/64"	125.69*	31/32"	94.82*	1 13/64"	63.95*	1 9/64"	52.92*	1 13/64"
26' 3"	8.33	1 19/32"	105.84*	1 9/32"	79.38*	1 19/32"	55.13*	1 1/2"	44.10*	1 19/32"
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

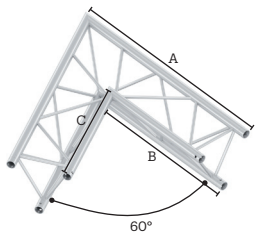
* limited by interaction of shear and moment at the connection

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads 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



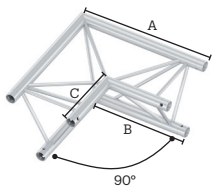
2 way corner 45°

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



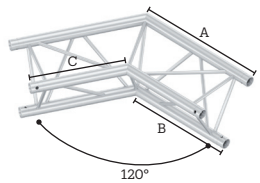
2 way corner 60°

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")	



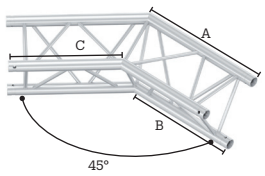
2 way corner 90°

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



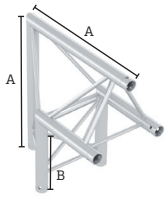
2 way corner 120°

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")	



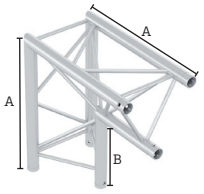
2 way corner 135°

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")	



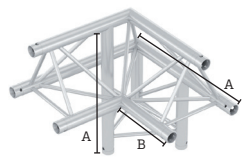
2 way corner 90° apex out

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



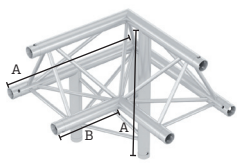
2 way corner 90° apex in

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



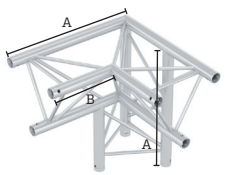
3 way corner 90° apex up right

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



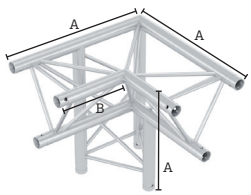
3 way corner 90° apex up left

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



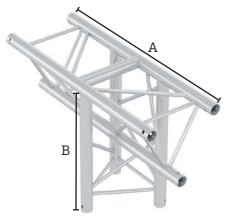
3 way corner 90° apex down right

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



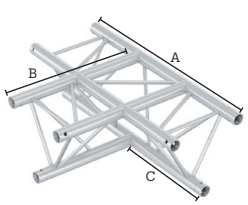
3 way corner 90° apex down left

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



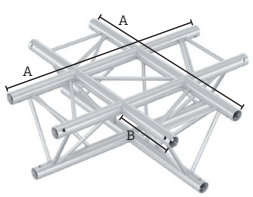
3 way vertical T-piece apex down

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")	



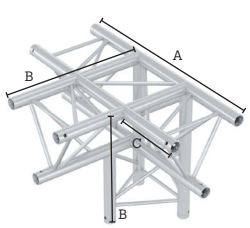
3 way horizontal T-piece

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")	



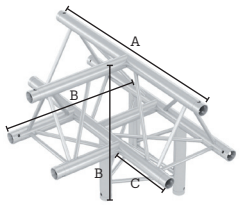
4 way cross piece

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



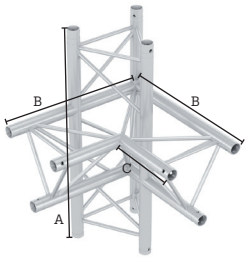
4 way T-piece apex down

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")	



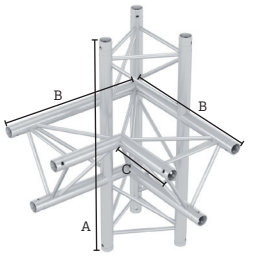
4 Way T-piece apex up

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



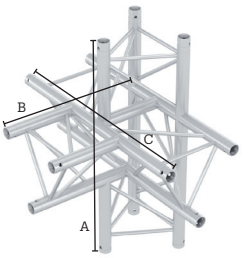
4 Way corner 90° right

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")	



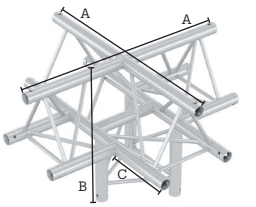
4 way corner 90° left

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")	



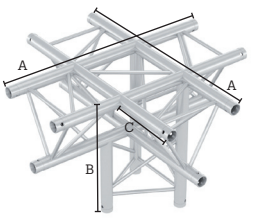
5 way T-piece

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")	



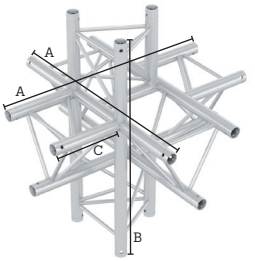
5 way cross down leg apex up

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")	

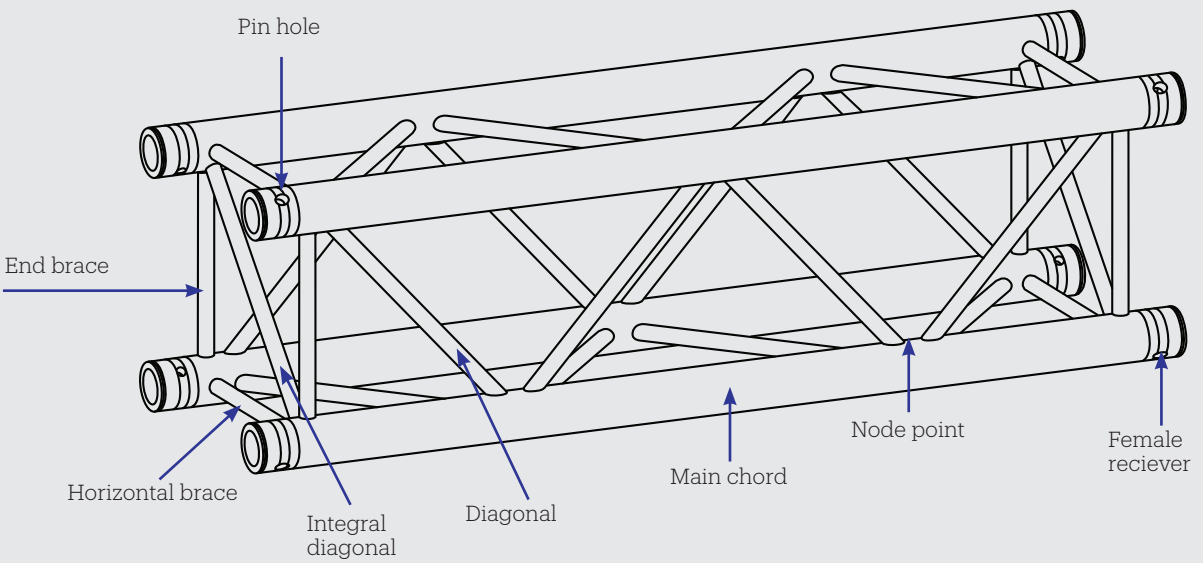


6 way T-piece

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.

JT22 TRIO