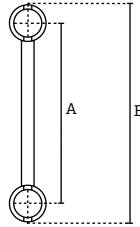


JT22 DUO

- 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:			2CM22
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")
Coupler:			CCM

Standard lengths and weights

Code	2CM22-L500	2CM22-L1000	2CM22-L1500	2CM22-L2000	2CM22-L2500	2CM22-L3000	2CM22-L4000
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")
kg	0.9 (1.87)	1.7 (3.75)	2.6 (5.62)	3.4 (7.50)	4.3 (9.37)	5.1 (11.25)	6.8 (14.99)

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	259.9	0.2	252*	0.3	129.9	0.2	86.6	0.2	65	0.2
2	129.4	1.5	181*	1.6	111*	1.7	84*	1.8	64.7	1.8
3	85.9	4.9	138*	4.2	90*	4.7	70*	5.1	58*	5.3
4	64.2	11.6	111*	8.1	75*	9.3	60*	10.3	48*	10.5
5	40.8	18.2	91*	13.1	63*	15.5	49*	16.6	39*	16.9
6	28	26.2	77*	19.4	55*	23.4	41*	24.2	33*	24.9
7	20.3	35.8	66*	27.1	47*	32.7	35*	33.4	28*	34.3
8	15.3	46.8	58*	36	42*	43.7	30*	43.8	25*	45.4
9	11.9	59.3	51*	46.3	37*	56.6	26*	55.6	22*	58.1
10	9.4	73.4	45*	57.6	33*	70.8	23*	69.5	19*	71.9

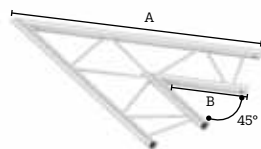
Span ft	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
	lbs/ft	in	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in
3' 3"	174.64	0"	555.66*	0"	286.43	0"	190.95	0"	143.33	0"
6' 7"	86.95	3/64"	399.11*	1/16"	244.76*	1/16"	185.22*	1/16"	142.66	1/16"
9' 10"	57.72	3/16"	304.29*	5/32"	198.45*	11/64"	154.35*	3/16"	127.89*	13/64"
13' 1"	43.14	29/64"	244.76*	5/16"	165.38*	23/64"	132.30*	25/64"	105.84*	13/32"
16' 5"	27.42	45/64"	200.66*	33/64"	138.92*	39/64"	108.05*	41/64"	86.00*	21/32"
19' 8"	18.82	11/32"	169.79*	3/4"	121.28*	29/32"	90.41*	15/16"	72.77*	31/32"
22' 12"	13.64	113/32"	145.53*	11/16"	103.64*	19/32"	77.18*	15/16"	61.74*	111/32"
26' 3"	10.28	153/64"	127.89*	113/32"	92.61*	123/32"	66.15*	123/32"	55.13*	125/32"
29' 6"	8.00	221/64"	112.46*	113/16"	81.59*	27/32"	57.33*	23/16"	48.51*	29/32"
32' 10"	6.32	27/8"	99.23*	217/64"	72.77*	225/32"	50.72*	247/64"	41.90*	253/64"

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

* limited by interaction of shear and moment at the connection

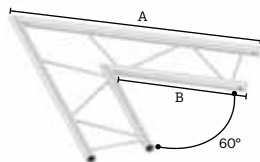
All truss loading calculations and TUV certifications are based on:

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



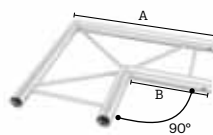
2 way horizontal corner 45°

Code	kg	lbs	mm	in
2CM22-JH19	1.1	(2.43)	A 800	(31 31/64")
			B 264	(10 25/64")



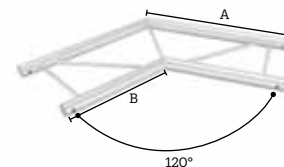
2 way horizontal corner 60°

Code	kg	lbs	mm	in
2CM22-JH20	0.9	(1.98)	A 600	(23 39/64")
			B 215	(8 29/64")



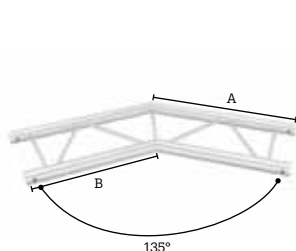
2 way horizontal corner 90°

Code	kg	lbs	mm	in
2CM22-JH21	0.6	(1.32)	A 400	(15 47/64")
			B 178	(7")



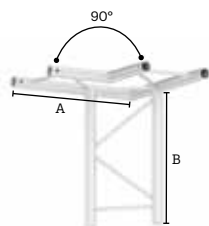
2 way horizontal corner 120°

Code	kg	lbs	mm	in
2CM22-JH22	0.7	(1.54)	A 400	(15 47/64")
			B 272	(10 45/64")



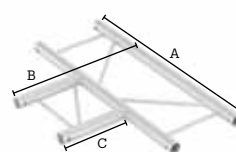
2 way horizontal corner 135°

Code	kg	lbs	mm	in
2CM22-JH23	0.8	(1.76)	A 400	(15 47/64")
			B 308	(12 1/8")



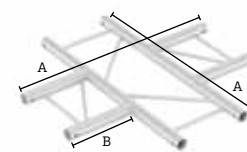
3 way horizontal corner 90° leg down

Code	kg	lbs	mm	in
2CM22-JH31	1.0	(2.20)	A 400	(15 47/64")
			B 368	(14 31/64")



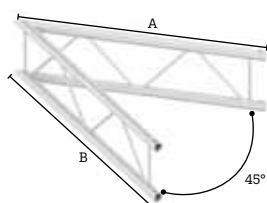
3 way horizontal T-piece

Code	kg	lbs	mm	in
2CM22-JH35	0.9	(1.98)	A 578	(22 3/4")
			B 400	(15 47/64")
			C 178	(7")



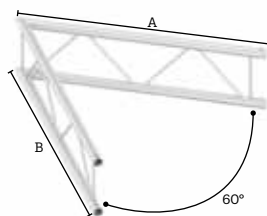
4 way horizontal cross piece

Code	kg	lbs	mm	in
2CM22-JH41	1.1	(2.43)	A 578	(22 3/4")
			B 179	(7 3/64")



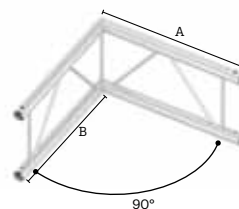
2 way vertical corner 45°

Code	kg	lbs	mm	in
2CM22-JV19	1.5	(3.31)	A 800	(31 31/64")
			B 723	(28 29/64")



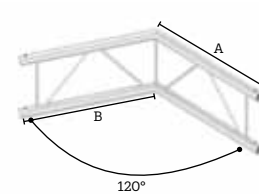
2 way vertical corner 60°

Code	kg	lbs	mm	in
2CM22-JV20	1.2	(2.65)	A 600	(23 39/64")
			B 545	(21 29/64")



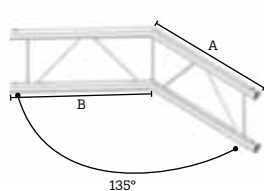
2 way vertical corner 90°

Code	kg	lbs	mm	in
2CM22-JV21	0.8	(1.76)	A 400	(15 47/64")
			B 368	(14 31/64")



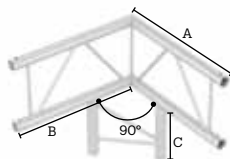
2 way vertical corner 120°

Code	kg	lbs	mm	in
2CM22-JV22	0.8	(1.76)	A 400	(15 47/64")
			B 382	(15 1/32")



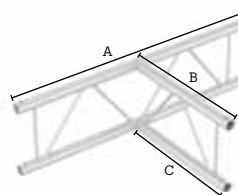
2 way vertical corner 135°

Code	kg	lbs	mm	in
2CM22-JV23	0.9	(1.98)	A 400	(15 47/64")
			B 387	(15 15/64")



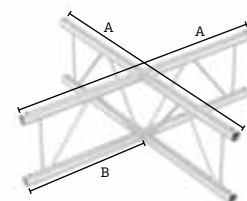
3 way vertical corner 90° leg down

Code	kg	lbs	mm	in
2CM22-JV31	1.1	(2.43)	A 400	(15 47/64")
			B 368	(14 31/64")
			C 178	(7")



3 way vertical T-piece

Code	kg	lbs	mm	in
2CM22-JV36	1.0	(2.20)	A 578	(22 3/4")
			B 400	(15 47/64")
			C 368	(14 31/64")



4 way vertical cross piece

Code	kg	lbs	mm	in
2CM22-JV41	1.2	(2.65)	A 578	(22 3/4")
			B 368	(14 31/64")