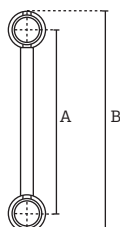


JT40H DUO

- High quality 48 mm (1 7/8") heavy-duty aluminium tubes
- Conical connectors for quick, simple and secure assembly
- Extended free-span (up to 20 m / 65') and loading characteristics
- Custom lengths, junctions and curves available
- Compatible with JTCELL200 / 400 / 500 / 600 series cell clamps
- Compatible with Xtruss accessories
- Powder coat colour finish available on request



Code:		2CF40H
Main Chords:	mm in	48x3 (1 7/8"x7/64")
Diagonals:	mm in	20x2 (25/32"x5/34")
Alloy:		EN-AW 6082 T6
A	mm in	339 (13 3/8")
B	mm in	387 (15 17/64")
Coupler:		CCF

Standard lengths and weights

Code	2CF40H-L500	2CF40H-L1000	2CF40H-L1500	2CF40H-L2000	2CF40H-L2500	2CF40H-L3000	2CF40H-L4000	2CF40H-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	1.8 (3.97)	3.2 (7.06)	4.5 (9.92)	5.8 (12.79)	7.1 (15.66)	8.5 (18.74)	11.2 (24.70)	13.8 (30.43)

Loading chart

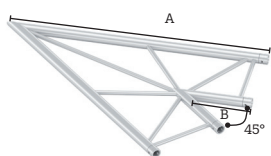
Span	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
3	343.5	2.1	1030.4	3.3	515.2	2.8	343.5	2.6	257.6	2.5
4	256.8	4.9	955	7.3	513.6	6.7	342.4	6.2	256.8	5.9
5	204.8	9.6	801	12	512	13	341.3	12.1	256	11.6
6	170.1	16.6	687	17.9	480	21.2	340.3	21	255.2	20
7	145.4	26.4	600	24.9	425	30	316	31	254.4	31.8
8	126.8	39.4	528	33	379	40.1	278	41	225	42.1
9	111.4	55.7	471	42.3	342	51.9	246	51.9	200	53.9
10	89.6	68.8	426	52.9	309	64.8	220	64.2	181	67.3
11	73.5	83.3	384	64.2	282	79.3	198	77.8	163	81.5
12	61.2	99.2	353	77.4	259	95.5	182	93.6	149	97.1

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"	230.82	5/64"	692.39	1/8"	346.19	7/64"	230.82	3/32"	173.10	3/32"
13' 1"	172.56	3/16"	641.72	9/32"	345.12	1/4"	230.08	15/64"	172.56	7/32"
16' 5"	137.62	3/8"	538.24	15/32"	344.04	1/2"	229.34	15/32"	172.02	29/64"
19' 8"	114.30	41/64"	461.64	45/64"	322.54	53/64"	228.67	13/16"	171.48	25/32"
22' 12"	97.70	1 1/32"	403.18	31/32"	285.58	1 11/64"	212.34	1 7/32"	170.95	1 1/4"
26' 3"	85.20	1 35/64"	354.80	1 19/64"	254.67	1 37/64"	186.81	1 39/64"	151.19	1 21/32"
29' 6"	74.86	2 3/16"	316.49	1 21/32"	229.81	2 1/32"	165.30	2 1/32"	134.39	2 7/64"
32' 10"	60.21	2 45/64"	286.26	2 5/64"	207.64	2 35/64"	147.83	2 33/64"	121.63	2 41/64"
36' 1"	49.39	3 17/64"	258.03	2 33/64"	189.49	3 7/64"	133.05	3 1/16"	109.53	3 13/64"
39' 4"	41.12	3 57/64"	237.20	3 3/64"	174.04	3 3/4"	122.30	3 43/64"	100.12	3 13/16"

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

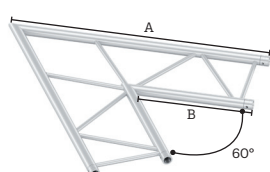
All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads 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



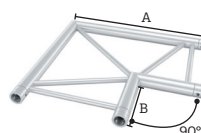
2 way horizontal corner 45°

Code	kg	lbs	mm	in
2CF40H-JH19	4.5	(9.92)	A 1200	(47 15/64")
			B 263	(10 11/32")



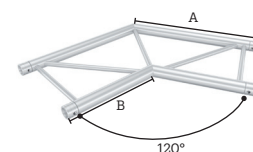
2 way horizontal corner 60°

Code	kg	lbs	mm	in
2CF40H-JH20	5.1	(11.25)	A 1200	(47 15/64")
			B 528	(20 25/32")



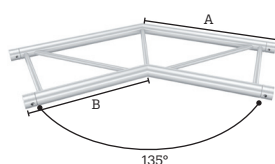
2 way horizontal corner 90°

Code	kg	lbs	mm	in
2CF40H-JH21	2.7	(5.95)	A 600	(23 39/64")
			B 212	(8 11/32")



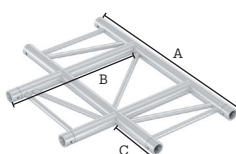
2 way horizontal corner 120°

Code	kg	lbs	mm	in
2CF40H-JH22	3.1	(6.84)	A 600	(23 39/64")
			B 376	(14 51/64")



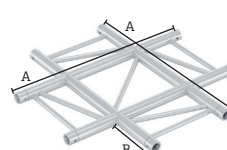
2 way horizontal corner 135°

Code	kg	lbs	mm	in
2CF40H-JH23	3.2	(7.06)	A 600	(23 39/64")
			B 439	(17 9/32")



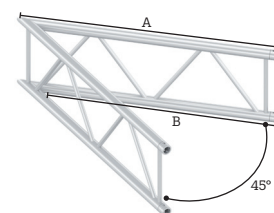
3 way horizontal T-piece

Code	kg	lbs	mm	in
2CF40H-JH35	4.2	(9.26)	A 810	(31 7/8")
			B 600	(23 39/64")
			C 212	(8 11/32")



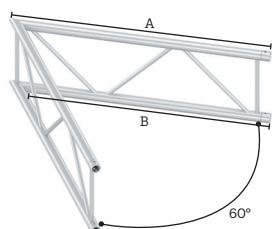
4 way horizontal cross piece

Code	kg	lbs	mm	in
2CF40H-JH41	5.1	(11.25)	A 810	(31 7/8")
			B 212	(8 11/32")



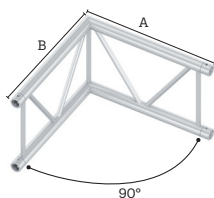
2 way vertical corner 45°

Code	kg	lbs	mm	in
2CF40H-JV19	6.7	(14.77)	A 1200	(47 15/64")
			B 1084	(42 43/64")



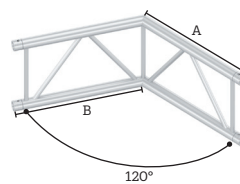
2 way vertical corner 60°

Code	kg	lbs	mm	in
2CF40H-JV20	6.7	(14.77)	A 1200	(47 15/64")
			B 1117	(43 31/32")



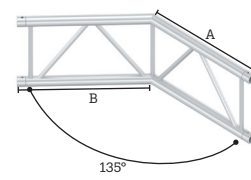
2 way vertical corner 90°

Code	kg	lbs	mm	in
2CF40H-JV21	3.7	(8.16)	A 600	(23 39/64")
			B 552	(21 23/32")



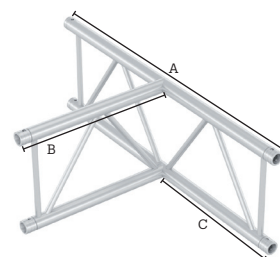
2 way vertical corner 120°

Code	kg	lbs	mm	in
2CF40H-JV22	3.7	(8.16)	A 600	(23 39/64")
			B 572	(22 33/64")



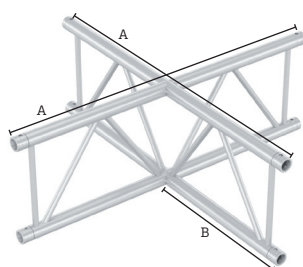
2 way vertical corner 135°

Code	kg	lbs	mm	in
2CF40H-JV23	3.8	(8.38)	A 600	(23 39/64")
			B 580	(22 53/64")



3 way vertical T-piece

Code	kg	lbs	mm	in
2CF40H-JV36	5.4	(11.91)	A 1150	(45 17/64")
			B 600	(23 39/64")
			C 552	(21 23/32")



4 way vertical cross piece

Code	kg	lbs	mm	in
2CF40H-JV41	7.1	(15.66)	A 1150	(45 17/64")
			B 551	(21 11/16")