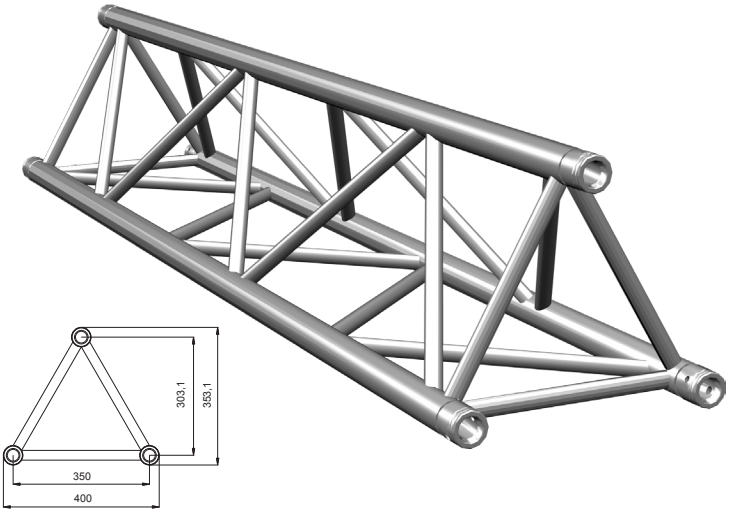
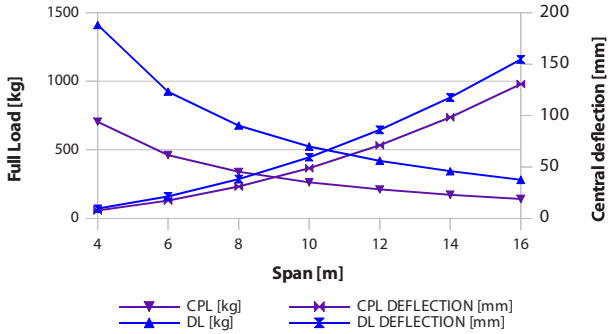
ST40

Triangle section aluminium truss with 40cm sides

- Lengthwise: extruded tubes, Ø 50x3 mm 6082 T6
- Diagonal: extruded tubes, Ø 25x3 mm 6082 T6
- Plate: conical quick-lock connectors
- Fast connection kit FCT5 included





SPAN [m]	Distributed Load			Centre Point Load	
	Point load [kg/m]	Full load [kg]	Central deflection [mm]	Full load [kg]	Central deflection [mm]
4	352.5	1410	9.4	705.1	7.6
6	154.1	924.6	21.3	462.2	17.2
8	84.6	676.8	38	338.5	30.8
10	52.5	525	59.5	262.4	48.7
12	35	420	86	210.1	71
14	24.5	343	117.6	171.4	98.2
16	17.6	281.6	154.5	141.2	130.6

Variants

Code	Black Vers.	Tube (mm)	Diagonal (mm)	W (cm)	H (cm)	D (cm)	Weight (kg)	Volume (mc)
ST40050	**ST40050B**	50x3	25x3	50	40	40	3.20	0.035
ST40100	**ST40100B**	50x3	25x3	100	40	40	4.90	0.069
ST40150	**ST40150B**	50x3	25x3	150	40	40	6.70	0.104
ST40200	**ST40200B**	50x3	25x3	200	40	40	8.50	0.139
ST40250	**ST40250B**	50x3	25x3	250	40	40	10.40	0.173
ST40300	**ST40300B**	50x3	25x3	300	40	40	12.20	0.208
ST40350	**ST40350B**	50x3	25x3	350	40	40	14	0.242
ST40400	**ST40400B**	50x3	25x3	400	40	40	15.80	0.277
ST40450	**ST40450B**	50x3	25x3	450	40	40	17.60	0.312
ST40500	**ST40500B**	50x3	25x3	500	40	40	19.40	0.346



Included

FCT5

Quick connection, 3 spigots, 6 pins, 6 safety spring, ST30/40

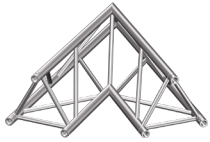


ST40FP

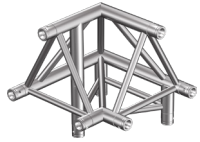
Aluminium ground base for triangular section trusses, ST4

Joints

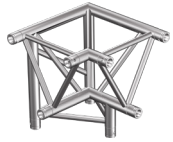
Variants									
Code	Black Vers.	Type	Way (nr)	Angle	Orient.	Vertex	W (cm)	H (cm)	D (cm)
ST40L2045U	**ST40L2045UB**	L2	2	45°	-	up	50	40	50
ST40L2060U	**ST40L2060UB**	L2	2	60°	-	up	50	40	50
ST40L2090U	**ST40L2090UB**	L2	2	90°	-	up	50	40	50
ST40L2090E	**ST40L2090EB**	L2	2	90°	-	external	50	40	50
ST40L2090I	**ST40L2090IB**	L2	2	90°	-	internal	50	40	50
ST40L2120U	**ST40L2120UB**	L2	2	120°	-	up	50	40	50
ST40L2135U	**ST40L2135UB**	L2	2	135°	-	up	50	40	50
ST40L3RU	**ST40L3RUB**	L3	3	90°	right	up	50	50	50
ST40L3LU	**ST40L3LUB**	L3	3	90°	left	up	50	50	50
ST40L3RD	**ST40L3RDB**	L3	3	90°	right	down	50	50	50
ST40L3LD	**ST40L3LDB**	L3	3	90°	left	down	50	50	50
ST40T3LD	**ST40T3LDB**	T3	3	90°	left	down	50	50	50
ST40T3LE	**ST40T3LEB**	T3	3	90°	left	external	50	50	50
ST40T3LU	**ST40T3LUB**	T3	3	90°	left	up	50	50	50
ST40T3D	**ST40T3DB**	T3	3	90°	-	down	50	50	50
ST40X4U	**ST40X4UB**	X4	4	90°	-	up	50	50	50
ST40X4L	**ST40X4LB**	X4	4	90°	left	-	50	50	50
ST40X4R	**ST40X4RB**	X4	4	90°	right	-	50	50	50
ST40T4U	**ST40T4UB**	T4	4	90°	-	up	50	50	50
ST40T4D	**ST40T4DB**	T4	4	90°	-	down	50	50	50
ST40X5U	**ST40X5UB**	X5	5	90°	-	up	50	50	50
ST40X5D	**ST40X5DB**	X5	5	90°	-	down	50	50	50
ST40T5U	**ST40T5UB**	T5	5	90°	-	up	50	50	50
ST40X6D	**ST40X6DB**	X6	6	90°	-	down	50	50	50



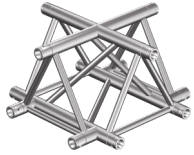
ST40L2045U



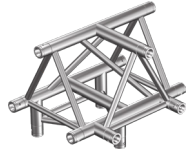
ST40L3RU



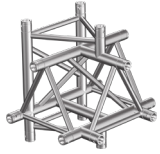
ST40T3LD



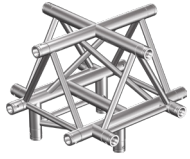
ST40X4U



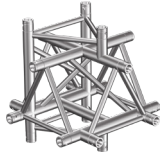
ST40T4U



ST40T5U



ST40X5U



ST40X6D

Circular Trusses

Variants									
Code	Black Vers.	Orient.	Vertex	D.Ext (cm)	D.Int. (cm)	H (cm)	D (cm)	Weight (kg)	Arc num
ST40C300U	**ST40C300UB**	-	up	300	220	40	40	11.50	4
ST40C400U	**ST40C400UB**	-	up	400	320	40	40	15.90	4
ST40C500U	**ST40C500UB**	-	up	500	420	40	40	20.20	8
ST40C600U	**ST40C600UB**	-	up	600	520	40	40	24.60	8
ST40C300I	**ST40C300IB**	-	internal	300	220	40	40	11.50	4
ST40C400I	**ST40C400IB**	-	internal	400	320	40	40	15.90	4
ST40C500I	**ST40C500IB**	-	internal	500	420	40	40	20.20	8
ST40C600I	**ST40C600IB**	-	internal	600	520	40	40	24.60	8
ST40C300E	**ST40C300EB**	-	external	300	220	40	40	11.50	4
ST40C400E	**ST40C400EB**	-	external	400	320	40	40	15.90	4
ST40C500E	**ST40C500EB**	-	external	500	420	40	40	20.20	8
ST40C600E	**ST40C600EB**	-	external	600	520	40	40	24. 60	8

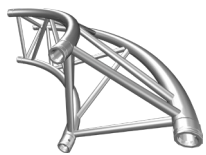
Vertex



UPPER



INTERNAL



EXTERNAL

Triangle section circular aluminium truss structure with 40cm sides

- Lengthwise: extruded tubes, Ø 50x2 mm 6082 T6
- Diagonal: extruded tubes, Ø 25x2 mm 6082 T6
- Plate: conical quick-lock connectors
- x4 Fast connection kits FCT5 included