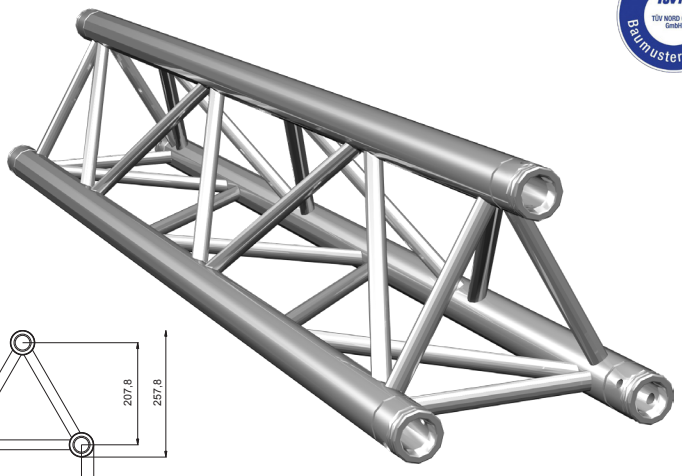
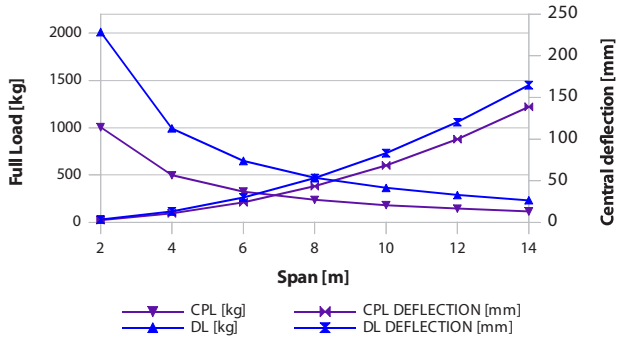
ST30

Triangular section aluminium truss with 29cm long sides

- Lengthwise: extruded tubes, Ø 50x2 mm 6082 T6
- Diagonal: extruded tubes, Ø 20x2 mm 6082 T6
- Plate: conical quick-lock connectors
- Fast connection kit FCT5 included

CERTIFIED BY





SPAN [m]	Distributed Load: Point load [kg/m]	Distributed Load: Full load [kg]	Distributed Load: Central deflection [mm]	Centre Point Load: Full load [kg]	Centre Point Load: Central deflection [mm]
2	1005.5	2011	3.3	1005.5	2.6
4	248.3	993.2	13.2	496.7	10.6
6	108.1	648.6	29.7	324.4	24
8	59.1	472.8	53	236.2	43.2
10	36.3	363	83.2	181.7	68.3
12	24	288	120.3	144	100
14	16.6	232.4	164.7	116	138.8

Variants

Code	Black Vers.	Tube (mm)	Diagonal (mm)	W (cm)	H (cm)	D (cm)	Weight (kg)	Volume (mc)
ST30050	**ST30050B**	50x2	20x2	50	29	29	3.4	0.018
ST30100	**ST30100B**	50x2	20x2	100	29	29	5.7	0.036
ST30150	**ST30150B**	50x2	20x2	150	29	29	8	0.055
ST30200	**ST30200B**	50x2	20x2	200	29	29	11.5	0.073
ST30250	**ST30250B**	50x2	20x2	250	29	29	12.6	0.091
ST30300	**ST30300B**	50x2	20x2	300	29	29	14.9	0.109
ST30350	**ST30350B**	50x2	20x2	350	29	29	17.2	0.127
ST30400	**ST30400B**	50x2	20x2	400	29	29	19.5	0.146
ST30450	**ST30450B**	50x2	20x2	450	29	29	21.8	0.164
ST30500	**ST30500B**	50x2	20x2	500	29	29	24.1	0.182



Included

FCT5

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

Optional accessories



ST30FP

Aluminium ground base for triangular section trusses, ST30

Joints

Variants

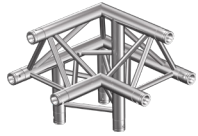
Code	Black Vers.	Type	Way (nr)	Angle	Orient.	Vertex	W (cm)	H (cm)	D (cm)
ST30L2045U	**ST30L2045UB**	L2	2	45°	-	up	50	29	50
ST30L2060U	**ST30L2060UB**	L2	2	60°	-	up	50	29	50
ST30L2090U	**ST30L2090UB**	L2	2	90°	-	up	50	29	50
ST30L2090E	**ST30L2090EB**	L2	2	90°	-	external	50	29	50
ST30L2090I	**ST30L2090IB**	L2	2	90°	-	internal	50	29	50
ST30L2120U	**ST30L2120UB**	L2	2	120°	-	up	50	29	50
ST30L2135U	**ST30L2135UB**	L2	2	135°	-	up	50	29	50
ST30L3RU	**ST30L3RUB**	L3	3	90°	right	up	50	50	50
ST30L3LU	**ST30L3LUB**	L3	3	90°	left	up	50	50	50
ST30L3RD	**ST30L3RDB**	L3	3	90°	right	down	50	50	50
ST30L3LD	**ST30L3LDB**	L3	3	90°	left	down	50	50	50
ST30T3LD	**ST30T3LDB**	T3	3	90°	left	down	50	50	50
ST30T3LE	**ST30T3LEB**	T3	3	90°	left	external	50	50	50
ST30T3LU	**ST30T3LUB**	T3	3	90°	left	up	50	50	50
ST30T3D	**ST30T3DB**	T3	3	90°	-	down	50	50	50
ST30T3U	**ST30T3UB**	T3	3	90°	-	up	50	50	50
ST30X4U	**ST30X4UB**	X4	4	90°	-	up	50	50	50
ST30X4LD	**ST30X4LDB**	X4	4	90°	left	down	50	50	50
ST30X4RD	**ST30X4RDB**	X4	4	90°	right	down	50	50	50
ST30T4D	**ST30T4DB**	T4	4	90°	-	down	50	50	50
ST30T4U	**ST30T4UB**	T4	4	90°	-	up	50	50	50
ST30T5U	**ST30T5UB**	T5	5	90°	-	up	50	50	50
ST30X5U	**ST30X5UB**	X5	5	90°	-	up	50	50	50
ST30X5D	**ST30X5DB**	X5	5	90°	-	down	50	50	50
ST30X6D	**ST30X6DB**	X6	6	90°	-	down	50	50	50



ST30L2090U



ST30T4U



ST30L3LU



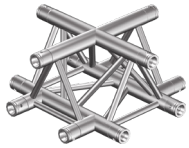
ST30T5U



ST30T3U



ST30X5U



ST30X4U



ST30X6D

Circular Trusses

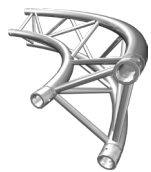
Variants

Code	Black Vers.	Orient.	Vertex	D.Ext (cm)	D.Int. (cm)	H (cm)	D (cm)	Weight (kg)	Arch num
ST30C200U	**ST30C200UB**	-	up	200	142	29	29	7.60	4
ST30C300U	**ST30C300UB**	-	up	300	242	29	29	11.90	4
ST30C400U	**ST30C400UB**	-	up	400	342	29	29	16.30	4
ST30C500U	**ST30C500UB**	-	up	500	442	29	29	20.70	8
ST30C600U	**ST30C600UB**	-	up	600	542	29	29	25.10	8
ST30C200I	**ST30C200IB**	-	internal	200	142	29	29	7.60	4
ST30C300I	**ST30C300IB**	-	internal	300	242	29	29	11.90	4
ST30C400I	**ST30C400IB**	-	internal	400	342	29	29	16.30	4
ST30C500I	**ST30C500IB**	-	internal	500	442	29	29	20.70	8
ST30C600I	**ST30C600IB**	-	internal	600	542	29	29	25.10	8
ST30C200E	**ST30C200EB**	-	external	200	142	29	29	7.60	4
ST30C300E	**ST30C300EB**	-	external	300	242	29	29	11.90	4
ST30C400E	**ST30C400EB**	-	external	400	342	29	29	16.30	4
ST30C500E	**ST30C500EB**	-	external	500	442	29	29	20.70	8
ST30C600E	**ST30C600EB**	-	external	600	542	29	29	25.10	8

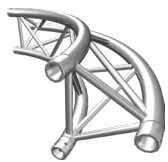
Vertex



UPPER



INTERNAL



EXTERNAL

Triangle section circular aluminium truss structure with 30cm 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