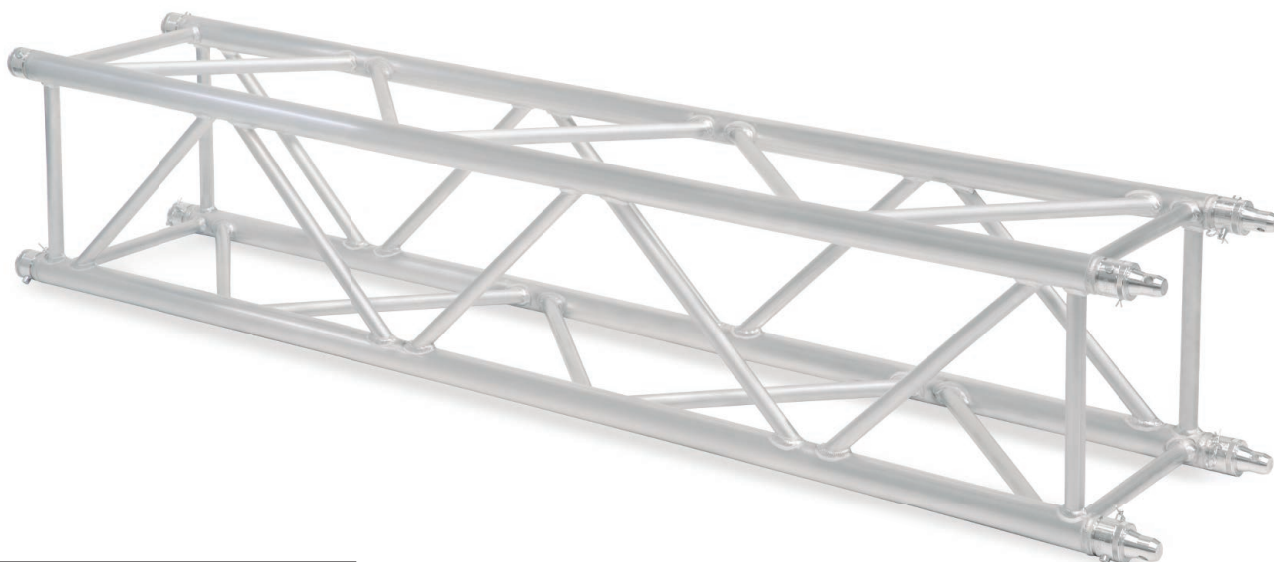




40 x 40 cm Square truss

UTR-10 coupling system included

The TQN400XL square truss connection is made using the UTR-10 coupling system, made up of solid aluminium conical coupler, locking pins (spigots) and safety R-Springs, which allows a fast, quick and reliable assembly. Each truss comes complete with the coupling system included (4 x UTR-10: 4 double conical couplers, 8 locking pins and 8 safety R-springs).



SPECIFICATIONS **TQN400XL**

- Size: **40 x 40 cm**
- Lengths: **50 – 100 – 200 and 300 cm**
- Main tubes: **Ø 50 x 3 mm**
- Braces/diagonals: **Ø 25 x 2 mm**
- Coupling System: **UTR-10 (included)**
- Material (Alloy): **Aluminium (EN-AW 6082 T6)**



Aluminium square truss of 40 x 40 cm with quick connection system, made from extruded aluminium tube (Alloy: EN-AW 6082 T6) to guarantee maximum strength and reliability.

Our Square truss can be painted in any colour you require with powder coating treatment.

STANDARD LENGTHS

REFERENCES	LENGTHS	NET WEIGHT
TQN400XL-500	50 cm / 1.64 ft	6.40 Kg / 14.11 lbs
TQN400XL-1000	100 cm / 3.28 ft	9.55 Kg / 21.03 lbs
TQN400XL-2000	200 cm / 6.56 ft	16.45 Kg / 36.31 lbs
TQN400XL-3000	300 cm / 9.84 ft	22.25 Kg / 49.08 lbs



UTR-10



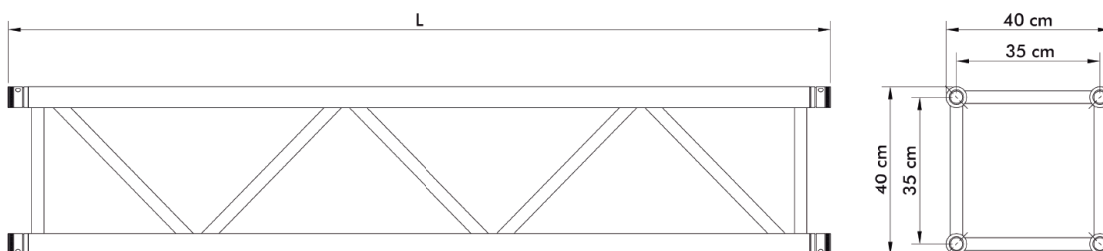


GUIL®

Since 1983

40 x 40 cm SQUARE TRUSS

TQN400XL



Size: 40 x 40 cm - Main tubes: Ø 50 x 3 mm - Brazes/diagonals: Ø 25 x 2 mm

PERMISSIBLE LOAD TABLE

Truss TQN400XL 400x400 mm	Uniformly distributed load (q)		Point loads (P)							
Length (L) (m)	Load (kg/m)	Deflection (mm)	Load (kg)	Deflection (mm)	Load (kg)	Deflection (mm)	Load (kg)	Deflection (mm)	Load (kg)	Deflection (mm)
4	942	15	1801	8	1180	9	888	11	757	10
5	706	18	1520	11	1018	15	787	14	650	15
6	503	23	1311	20	893	24	706	22	559	23
7	374	32	1151	25	793	28	624	28	489	30
8	288	45	1023	32	712	38	549	39	433	38
9	228	56	919	43	644	49	490	49	389	49
10	185	67	832	49	588	59	441	55	352	57
11	152	75	759	55	539	69	401	69	321	64
12	127	90	697	63	497	78	366	74	294	72
13	108	102	642	71	460	84	336	86	271	89
14	92	118	594	89	427	103	310	105	251	102
15	79	130	552	102	398	121	288	120	233	118
16	69	149	514	115	372	138	267	132	217	134
17	60	162	480	124	349	148	249	147	202	150
18	53	175	449	137	327	162	233	167	189	169
19	47	204	420	169	307	195	218	193	177	190
20	42	249	395	198	289	223	204	222	166	218

- Load data is accurate only when referring to static loads.
- Load data is accurate only when referring to individual gantries supported at both ends.
- Load data is calculated following and completely observing European standards (Eurocode).
- The weight of the trusses themselves is already taken into account.





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Since 1983

40 x 40 cm SQUARE TRUSS

TQN400XL



STANDARDS

GUIL's TQN400XL trusses have been designed and manufactured to provide maximum quality and reliability, satisfying the safety and resistance requirements of the following European norms:

❖ EN 17115

Entertainment technology - Specifications for design and manufacture of aluminium and steel trusses.

❖ EN 1090-1

Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment of structural components.

❖ EN 1090-3

Execution of steel structures and aluminium structures - Part 3: Technical requirements for aluminium structures.

◆ EN 1990

Eurocode - Basis of structural design.

◆ EN 1991-1-1

Eurocode 1: Actions on structures.

◆ EN 1993-1-1

Eurocode 3: Design of steel structures.

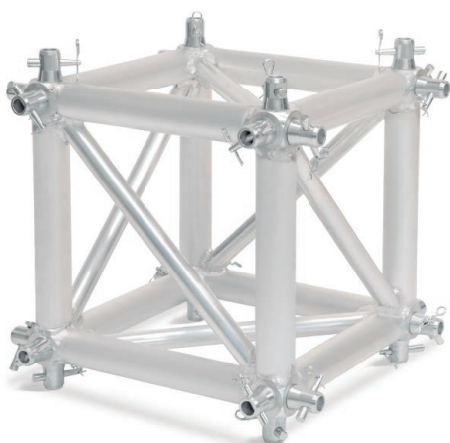
◆ EN 1999-1-1

Eurocode 9: Design of aluminium structures.

ACCESSORIES

GUIL manufactures a wide range of accessories and adaptors that can be used in combination with the TQN400XL Square Truss series:

SIX-SIDED BOX CORNER



BASE PLATES



HANGING TRUSS ADAPTORS



MORE ACCESSORIES

- ▶ Clamps & Couplers
- ▶ Manual hoists
- ▶ Safety bonds
- ▶ Brake winches

