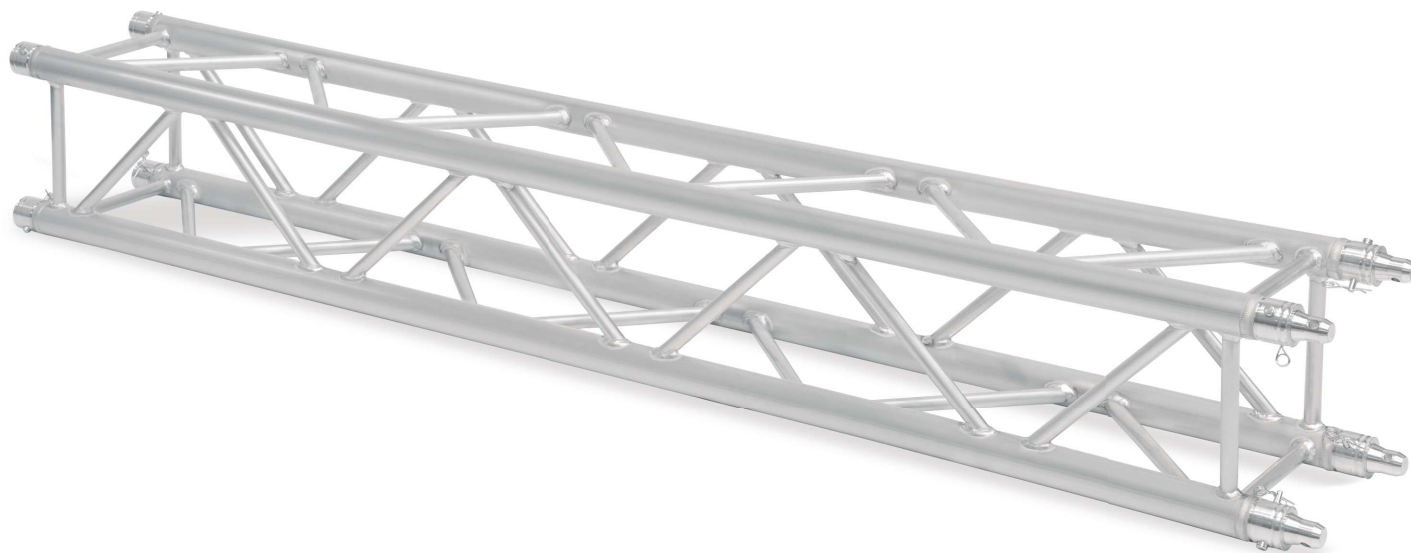




29 x 29 cm Square truss

UTR-10 coupling system included

The TQN290 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 **TQN290**

- | | | | |
|---------------|---------------------------------------|---------------------|----------------------------------|
| ► Size: | 29 x 29 cm | ► Braces/diagonals: | Ø 20 x 2 mm |
| ► Lengths: | 25 – 50 – 100 – 200 and 300 cm | ► Coupling System: | UTR-10 (included) |
| ► Main tubes: | Ø 50 x 2 mm | ► Material (Alloy): | Aluminium (EN-AW 6082 T6) |



Aluminium square truss of 29 x 29 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
TQN290-250	25 cm / 9.8 in	4.15 Kg / 9 lbs
TQN290-500	50 cm / 1ft 8 in	5.25 Kg / 12 lbs
TQN290-1000	100 cm / 3 ft 3 in	7.40 Kg / 16 lbs
TQN290-2000	200 cm / 6 ft 7 in	12.50 Kg / 28 lbs
TQN290-3000	300 cm / 9 ft 10 in	17.20 Kg / 38 lbs



UTR-10



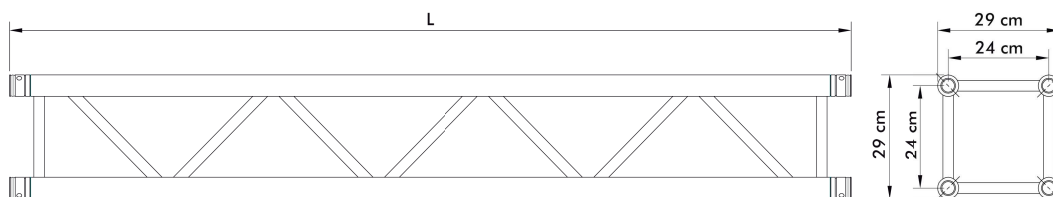


GUIL®

Since 1983

29 x 29 cm SQUARE TRUSS

TQN290



Size: 29 x 29 cm - Main tubes: Ø 50 x 2 mm - Brazes/diagonals: Ø 20 x 2 mm

PERMISSIBLE LOAD TABLE

Truss TQN290 290x290 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	501	17	922	13	672	15	496	15	393	15
5	344	25	763	20	528	24	411	23	324	22
6	241	37	649	29	455	34	346	32	274	32
7	177	47	562	36	398	38	297	41	237	40
8	135	60	494	49	353	58	260	55	208	56
9	106	71	440	58	316	65	230	68	185	68
10	85	83	395	67	285	76	205	74	166	74
11	69	98	357	87	258	92	185	94	150	90
12	58	115	324	100	236	106	168	104	136	108
13	48	139	296	114	216	128	153	125	125	124
14	41	158	271	130	199	149	140	148	114	146
15	35	194	249	159	183	182	128	180	105	175

- 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

29 x 29 cm SQUARE TRUSS

TQN290



STANDARDS

GUIL's TQN290 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 TQN290 Square Truss series:

SIX-SIDED BOX CORNER



BASE PLATES



HANGING TRUSS ADAPTORS



MORE ACCESSORIES

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

