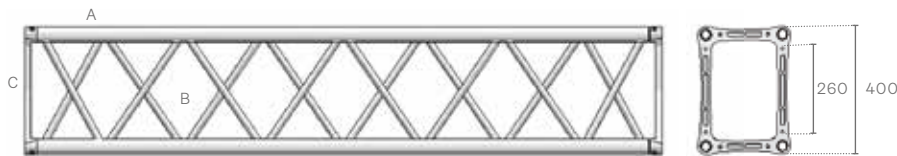


RH40SA



RH40SA is on the front line of rectangular truss that meets the needs of your demanding projects, as it has been specifically developed for applications that require heavy-duty performance. A perfect choice for rental companies, it features LITEC's end plated connection system for greater resistance to twisting, decrease in bending and absolute connection compatibility between other trusses throughout the years due to no risk of deformation.



Chords A
Extruded tube \varnothing 48 x 3 mm
EN AW – 6082 T6

Diagonals B
Extruded tube \varnothing 22 x 2 mm
EN AW – 6082 T6

End C
Aluminium casting plate
EN AC – 42200 KT6

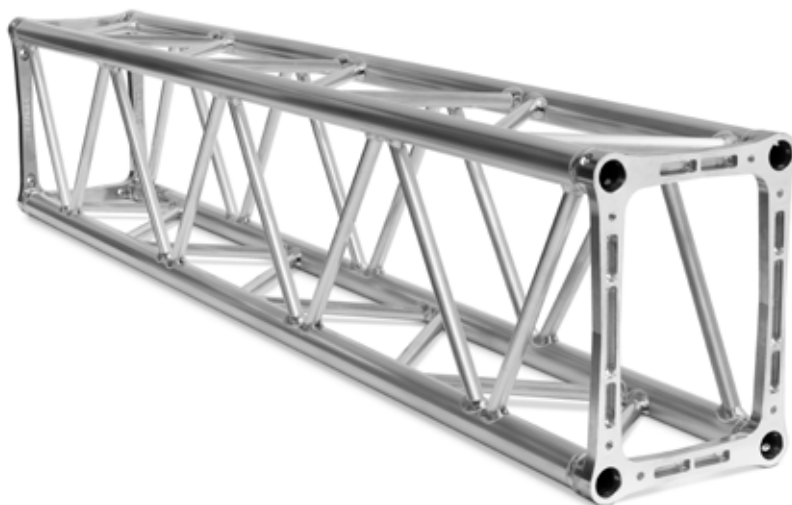
Connection systems
QXFC: quick-fit kit

Linear elements

code	cm	kg
RH40SA010	40 x 29 x 10	4.4
RH40SA025	40 x 29 x 25	5.6
RH40SA050	40 x 29 x 50	7.6
RH40SA100	40 x 29 x 100	11.3
RH40SA150	40 x 29 x 150	14.9
RH40SA200	40 x 29 x 200	18.6
RH40SA250	40 x 29 x 250	22.3
RH40SA300	40 x 29 x 300	26.0
RH40SA350	40 x 29 x 350	29.6
RH40SA400	40 x 29 x 400	33.3

Corners and fittings

code	cm	kg
RH40K8	40 x 29 x 29	10.6
RH40K12	40 x 29 x 29	13.0



Load table / Spigot connection

SPAN	Unif. distributed load			Centre point load			Third point load			Quarter point load			Fifth point load		
	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection	Point load	Full load	Central deflection
m	kg/m	kg	mm	kg	kg	mm	kg	kg	mm	kg	kg	mm	kg	kg	mm
1	3175	3175	0	3043	3043	0	1588	3175	0	1058	3175	0	794	3175	0
2	1584	3168	1	2389	2389	2	1390	2780	2	1012	3036	2	792	3168	2
3	1054	3162	5	1977	1977	5	1191	2382	5	887	2662	5	717	2869	5
4	789	3155	11	1688	1688	9	1044	2088	10	792	2376	10	648	2594	11
5	630	3148	21	1460	1460	16	929	1857	17	715	2146	18	592	2369	19
6	450	2700	32	1236	1236	23	837	1674	27	648	1944	29	524	2094	30
7	329	2302	43	1069	1069	32	761	1522	39	556	1668	40	451	1806	41
8	250	2001	56	939	939	43	680	1359	52	485	1455	52	396	1584	54
9	196	1766	71	835	835	55	608	1216	67	430	1289	66	352	1407	69
10	158	1576	88	750	750	68	549	1097	84	385	1154	82	316	1262	86
11	129	1420	107	679	679	83	499	997	102	347	1042	100	286	1142	104
12	107	1289	127	619	619	100	456	912	123	316	947	119	260	1040	124
13	91	1177	149	567	567	118	419	838	145	289	866	140	238	953	147
14	77	1080	174	522	522	138	387	773	170	265	796	163	219	876	171
15	66	994	199	481	481	159	358	716	196	245	734	188	202	809	197
16	57	919	227	446	446	182	333	665	225	227	680	214	187	749	224
17	50	852	257	414	414	207	310	619	255	210	630	243	174	696	254
18	44	791	289	385	385	234	289	578	287	195	586	273	162	648	286

Cantilever load table / Spigot connection

SPAN	Distributed load (q)			Point load (F)	
	Point load	Full load	Central deflection	Point load	Central deflection
m	kg/m	kg	mm	kg	mm
1	151	151	1	119	2
2	591	118	5	838	9
3	324	971	14	616	23
4	205	820	28	468	42
5	141	704	47	373	66
6	98	586	70	308	96

Axial load table

m	kg
1	14100
2	11900
3	8850
4	6220
5	4440

Load table has been prepared in accordance with din4113 and DIN18800. When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end. The values shown in the table are the allowable static loads that can be applied to the truss. This is the live load or the payload. The

self-weight of the truss has been taken into account when calculating the values in the table. It should be noted that this are idealized loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.




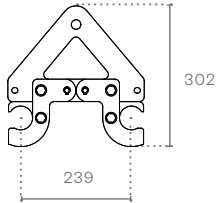


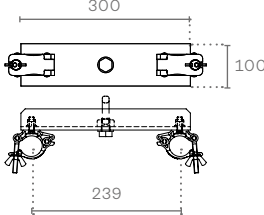
RH40SA System

To further enhance the standard products, LITEC offers a wide range of corners, connections and accessories useful for many different applications and needs. "Quick connect" or "nult & bolt connect". End-plated trusses allow to use two different systems of connection. The quick-fit system is certainly the most wide-spread and mainly used when the structure is frequently assembled and dismantled. In case of permanent installations, on the other hand, a more economical bolt connection system may be used. Our plate is made in such a way that bolts may be completely inserted so that there are no edges or external protuberances which could damage canvases or other fabrics or which might simply be unaesthetic on certain structures.

Connections

					
KSG Litetruss aluminium spigot, set of 10	KCP R-spring, set of 100	KSP Steel pin, set of 10	K370 Half truss spigot + 1 steel pin + 1 R-spring (not for Dado)	KSF Threaded pin, set of 12	KCFS Kit for vert. connec incl. bolts, spigots and accessories
					
QXFC Quick connection set	QXSM10 Bolt connection set for 30-40 series	QUKFC 4 special steel half spigots with screws for Heavy Duty Dado			

Accessories

				
CS029-40 Ceiling support for 30-40 truss series - silver	CBQ3040 4 points Bridle Hook for 29/40 cm. truss	CL2D50 Transport clip. Plastic casting for truss stacking. Fits 48 - 51 mm tube	CBT3040 2 points Bridle Hook for 29/40 cm. truss	
				
TZ40K01 Assembly tool for half-spigot in 40 cm side trusses with Heavy Duty Dado	TZ40C01 Assembly tool for half-spigot in 40 cm side trusses with Light Duty Dado	C030 Bar hook for 29 cm. truss		

Corners & fittings



RU40K8
Dado 6 way box corner
(8 nodules)



RU40K12
Dado 6 way box corner
(12 nodules)