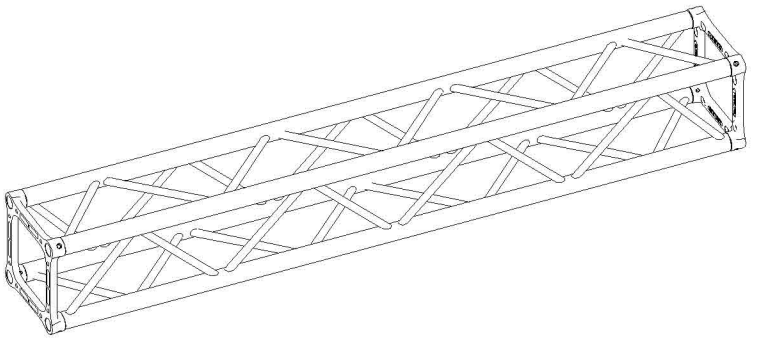
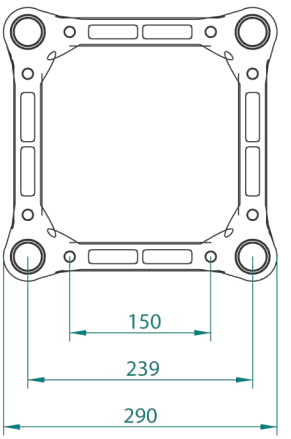


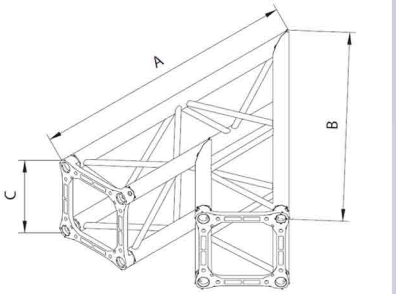


Description	Specification
External dimensions (height x width)	287 mm x 287 mm
Distance between axis	239 mm x 239 mm
Lenghtways tubes	Extruded alluminium EN AW 6082 T6 - Ø48X3mm
Crossways tubes	Extruded alluminium EN AW 6082 T6 - Ø20X2mm
Connecting plate	Cast alluminium EN AC 42200 T6
Welding process	TIG - 141 / ISO 4063
Available lenght (cm)	100 - 150 - 200 - 250 - 300 - 350 - 400
Connection systems	QXFC - QXSM10

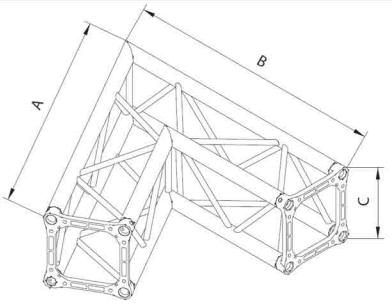
Section Area (mm²)	Moment of inertia Y - axis (mm)	Moment of inertia Z - axis (mm4)	Selfweight (approx.) (N/m)			
1696	24.657.198	24.657.198	70			

	UNIF. DISTRIBUTED LOAD			CENTRE POINT LOAD			THIRD POINT LOAD			QUARTER POINT LOAD			FIFTH POINT LOAD		
SPAN m	point load kg/m	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm
1	2775	2775	0	2775	2775	0	1387	2775	0	925	2775	0	694	2775	0
2	1384	2768	2	2677	2677	3	1384	2768	2	923	2768	2	692	2768	2
3	920	2760	6	1894	1894	6	1335	2670	7	920	2760	7	690	2760	7
4	688	2753	13	1454	1454	11	1046	2092	14	753	2259	14	614	2454	14
5	492	2462	24	1175	1175	18	855	1709	22	603	1809	22	494	1976	23
6	340	2039	34	982	982	26	720	1439	33	501	1503	32	412	1649	33
7	248	1734	46	840	840	36	619	1239	45	427	1282	43	352	1410	45
8	188	1503	60	732	732	47	542	1083	59	371	1114	57	307	1227	60
9	147	1323	76	646	646	60	480	960	76	327	981	72	271	1083	76
10	118	1176	94	576	576	75	429	859	94	291	874	89	241	966	94
11	96	1056	114	518	518	91	387	774	114	262	785	108	217	869	114
12	79	954	136	469	469	109	351	703	136	237	710	129	197	786	135
13	67	866	159	427	427	129	320	641	161	215	645	151	179	715	159
14	56	790	185	390	390	150	294	587	187	196	589	176	163	654	185
15	48	723	212	357	357	173	270	540	215	180	539	202	150	600	213
16	42	664	241	328	328	198	249	497	246	165	495	230	138	551	242
17	36	611	272	302	302	225	230	459	278	152	456	260	127	508	274
18	31	563	305	278	278	254	213	425	313	140	420	292	117	469	307

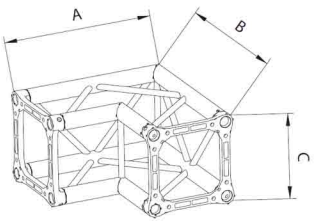
Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9).
When calculating the allowable loads shown in the table, it is assumed that the trusses are simply supported at the end connection and that static loads will be applied to the node points.
The application of the load shall be on the centre line of the truss.
The values shown in the table are the allowable statics 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 idealised loading condition and the User shall re-analyze the truss for the loading condition which prevail for the application begin considered.



QH30SAL2045



QH30SAL2060



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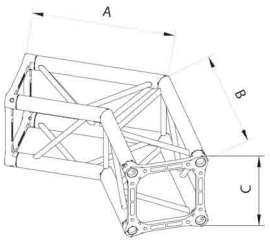

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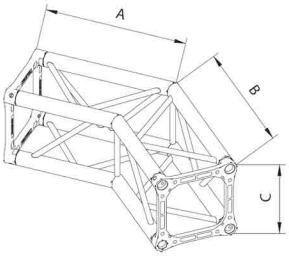

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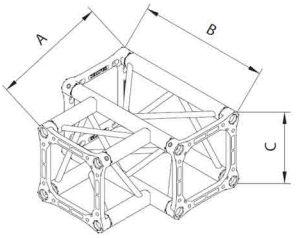

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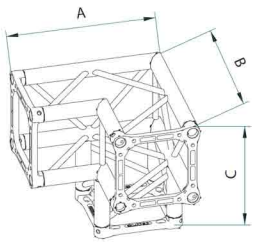

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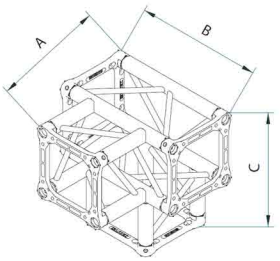

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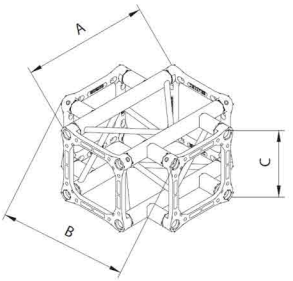

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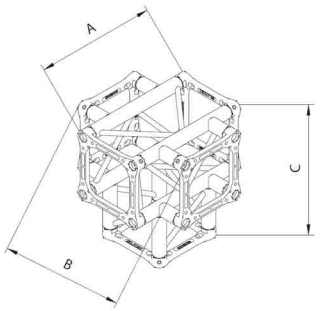

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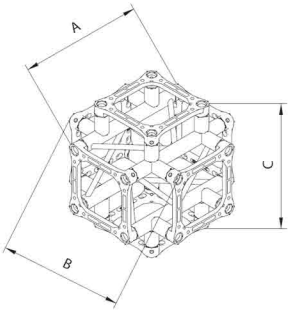

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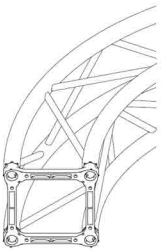
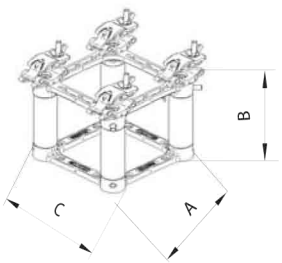


Q = square truss



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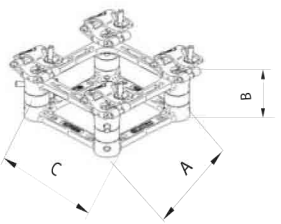

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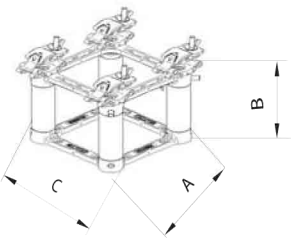

QH30SAACSC

LINEAR ELEMENTS

code	cm	kg
QH30SA010M5	29x29x10.5	3,1
QH30SA021	29x29x21	3,6
QH30SA025	29x29x25	4,1
QH30SA029	29x29x29	4,3
QH30SA050	29x29x50	5,8
QH30SA100	29x29x100	9,1
QH30SA150	29x29x150	12,3
QH30SA200	29x29x200	15,5
QH30SA250	29x29x250	18,7
QH30SA300	29x29x300	21,9
QH30SA350	29x29x350	25,2
QH30SA400	29x29x400	28,4

CORNERS AND FITTINGS

code	cm	kg
QH30SAACL	29x21x29	6,1
QH30SAACS	29x10.5x29	5,6
QH30SAL2045	100x100x29	9,4
QH30SAL2060	100x100x29	10,5
QH30SAL2090	50x50x29	11,7
QH30SAL2120	50x50x29	6,8
QH30SAL2135	50x50x29	7,7
QH30SAL3	50x50x50	8
QH30SAT3	50x50x29	8,2
QH30SAT4	50x50x50	10,8
QH30SAX4	50x50x29	9,3
QH30SAX5	50x50x50	11,8
QH30SAX6	50x50x50	12,9

Curves, rings and ellipses are available on demand

Minimum diameter	2 m
Diameter measurement	external
Weight per meter	approx. 10.4kg