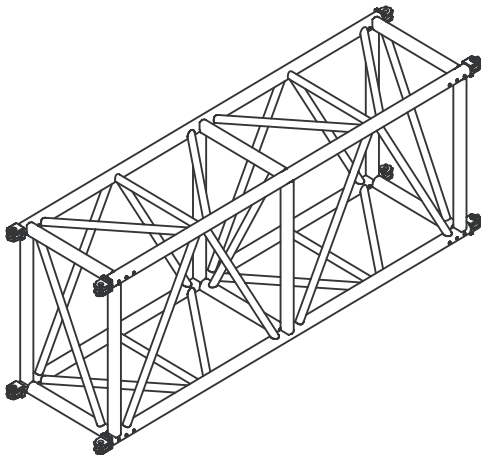
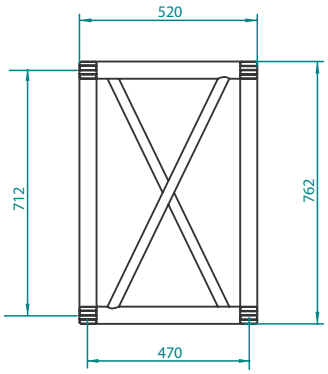
RL76A TRUSS SYSTEM
TECHNICAL DATA

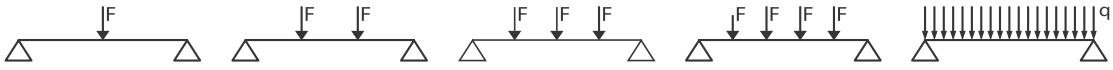
RL76A





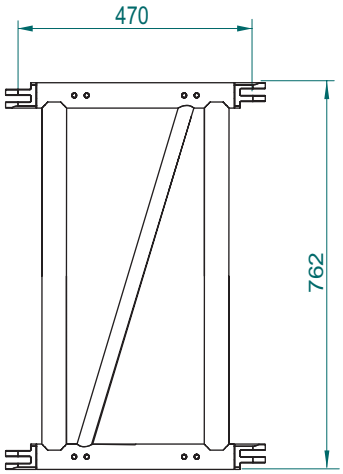
Description	Specification
External dimensions (height x width)	520 mm x 762 mm
Distance between axis	470 mm x 712 mm
Lenghtways tubes	Extruded aluminium EN AW 6082 T6 - Ø50x4
Crossways tubes	Extruded aluminium EN AW 6082 T6 - Ø30x3 mm
Connecting fork	Steel 11SMnPb37
Welding process	TIG -141 / ISO 4063
Available lenght (cm)	100 - 200 - 300
Connection systems	KHLP

Section Area (mm²)	Moment of inertia Y - axis (mm)	Moment of inertia Z - axis (mm4)	Selfweight (approx.) (N/m)			
2312	249.608.200	109.061.900	190			

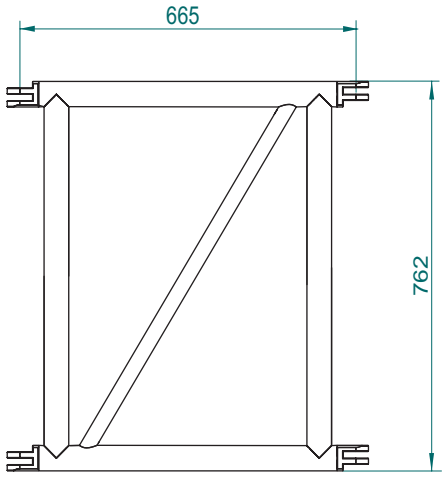


	Centre Point Load (C.P.L.)			Third Point Load (T.P.L.)			Quarter Point Load (Q.P.L.)			Fifth Point Load (F.P.L.)			Uniformly Distributed Load (U.D.L.)		
Span [m]	Point Load [kg]	Full Load [kg]	Central Deflection [mm]	Point Load [kg]	Full Load [kg]	Central Deflection [mm]	Point Load [kg]	Full Load [kg]	Central Deflection [mm]	Point Load [kg]	Full Load [kg]	Central Deflection [mm]	Load [kg/m]	Full Load [k]	Central Deflection [mm]
3	3287	3287	1	1749	3498	1	1203	3609	1	919	3676	1	1314	3941	1
4	3073	3073	2	1667	3333	2	1159	3476	2	891	3564	2	980	3918	2
5	2877	2877	4	1588	3176	4	1115	3346	3	863	3454	3	780	3898	3
6	2698	2698	6	1514	3028	6	1074	3221	6	836	3345	6	646	3873	5
7	2536	2536	9	1444	2887	9	1033	3100	9	810	3239	9	550	3852	9
8	2389	2389	13	1378	2755	13	994	2983	13	784	3136	13	479	3828	13
9	2254	2254	18	1315	2631	17	957	2872	18	759	3036	18	423	3807	19
10	2131	2131	23	1257	2514	23	922	2765	24	735	2939	24	378	3783	25
11	2017	2017	29	1202	2403	30	888	2663	31	711	2845	31	342	3761	34
12	1913	1913	36	1149	2299	37	855	2564	39	689	2754	39	312	3738	44
13	1816	1816	45	1100	2200	46	823	2470	48	667	2666	49	286	3716	56
14	1726	1726	53	1053	2107	55	793	2380	58	645	2581	60	264	3694	70
15	1642	1642	63	1009	2018	66	764	2293	69	624	2498	72	245	3671	86
16	1564	1564	74	967	1934	78	737	2210	82	604	2418	85	223	3572	102
17	1490	1490	86	927	1854	91	710	2129	96	585	2340	100	202	3441	119
18	1421	1421	99	889	1778	104	684	2052	111	566	2265	116	184	3315	137
19	1357	1357	113	852	1705	120	659	1978	127	548	2192	134	168	3196	157
20	1295	1295	128	818	1635	136	635	1906	145	530	2121	153	152	3046	177
21	1236	1236	144	785	1569	153	612	1837	164	513	2050	173	137	2872	196
22	1171	1171	160	752	1505	172	590	1770	185	496	1983	195	123	2710	216
23	1111	1111	177	722	1443	191	568	1705	206	473	1891	216	111	2560	237
24	1055	1055	195	692	1384	212	548	1643	230	448	1793	237	101	2419	259
25	1001	1001	214	663	1327	235	527	1582	254	425	1700	259	91	2287	282
26	950	950	234	636	1272	258	508	1523	280	403	1612	282	83	2163	306
27	902	902	256	609	1219	283	489	1466	307	382	1528	306	76	2046	331
28	856	856	278	584	1167	309	462	1387	332	362	1448	331	69	1935	357
29	812	812	301	559	1118	336	437	1312	358	343	1373	357	63	1830	384
30	769	769	326	535	1070	365	414	1241	384	325	1300	384	58	1730	411

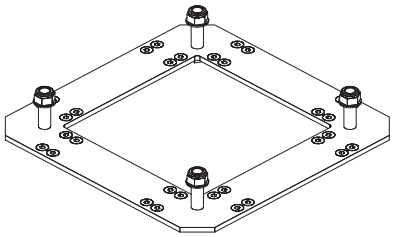
Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9).
When calculating the allowable loads shown in the table, it is assumed that the trusses are simply supported at the end connection and that static loads will be applied to the node points.
The application of the load shall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



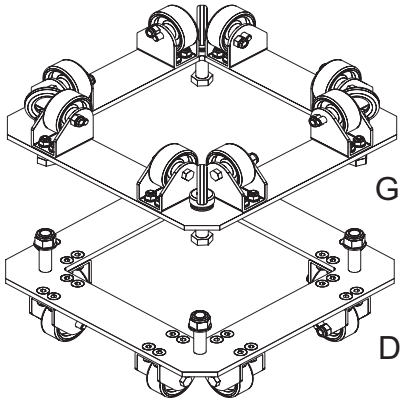
FL76047P



FL76066M5P



MTC40F



MTC40G / MTC40D

GATES AND ACCESSORIES

Code	Dimensions (cm)	Weight (Kg)
FL76047P	76,2x47 x5	8,9
FL76066M5	76,2x66,5 x5	9,7
MTC40F	59x59x1	4,3
MTC40G / MTC40D	59x59x1	13,3 / 14,5
KHLP	Ø 2	0,15

TRUSS

Code	Dimensions (cm)	Weight (Kg)
RL76100A	76,2x52x100	19.40
RL76200A	76,2x52x200	45.00
RL76300A	76,2x52x300	52.00

RINGS

Curves, rings and ellipses are avilable on demand		
Minimum diameter		4 m
Diameter measurement		external
Weight per meter	(aprox.)	19 Kg