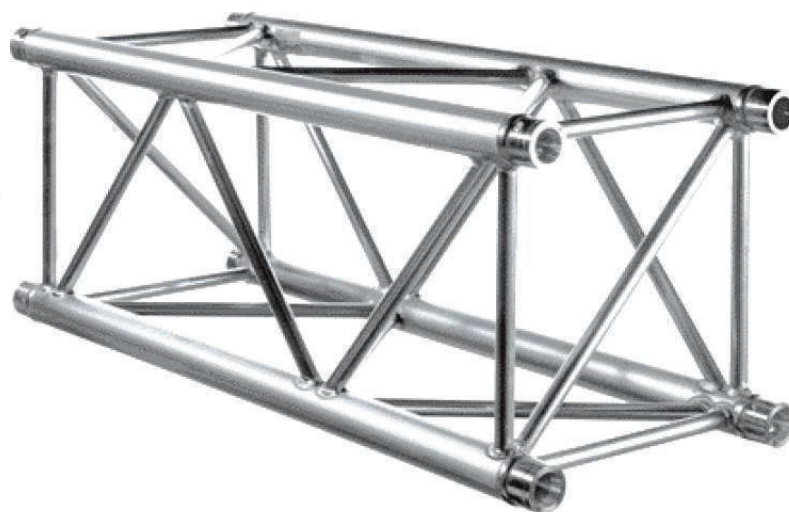
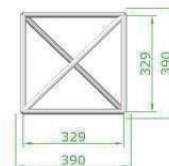


WQ40 SERIES



WQ40 top view



WQ40 side view



Traliccio in alluminio a sezione quadrata con lato da 40 cm.

A: Tubi correnti Ø 50x2 mm
Lega EN-AW 6082 T6
B: Diagonali Ø 16x2 mm
Lega EN-AW 6082 T6

Square section truss with 40 cm long sides.

A: Chords extruded tube Ø 50x2 mm
EN-AW 6082 T6
B: Diagonals extruded tube Ø 16x2 mm
EN-AW 6082 T6



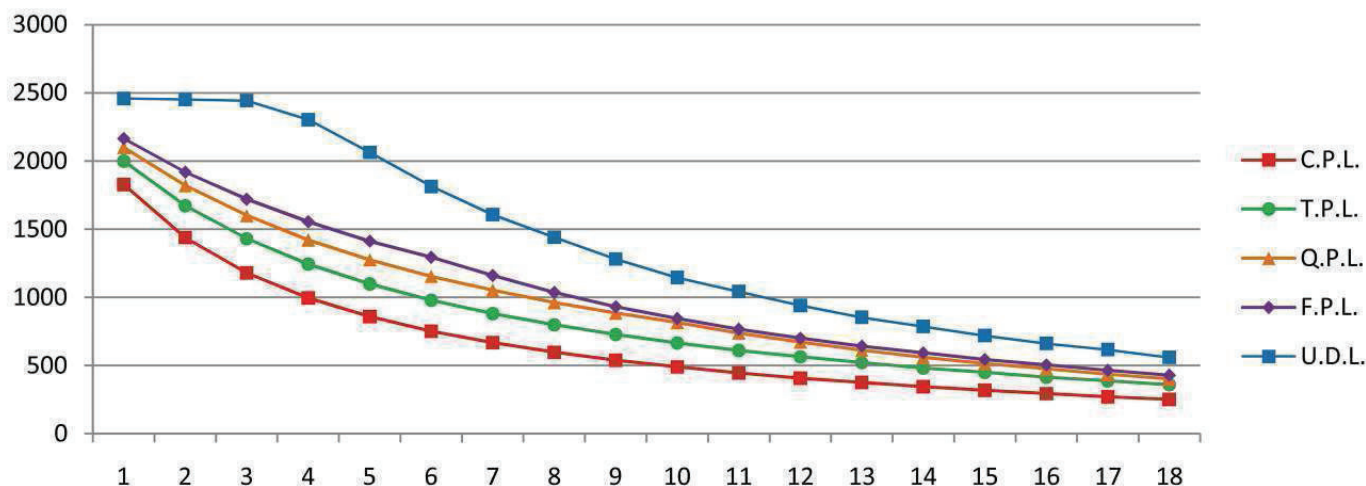
LOAD TABLE WQ40

Span [m]	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.)		
	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]	Point Load [Kg]	Full Load [Kg]	Central Deflection [mm]
1	1828	1828	0	1000	2000	0	700	2100	0	540	2165	0	2458	2458	0
2	1439	1439	1	836	1672	1	607	1820	1	480	1918	1	1103	2450	1
3	1180	1180	3	715	1430	3	533	1599	3	430	1720	3	733	2442	3
4	996	996	5	623	1245	6	473	1420	6	389	1555	6	443	2302	7
5	860	860	9	549	1098	10	425	1276	10	353	1412	11	282	2062	13
6	752	752	14	490	980	15	385	1154	16	324	1294	18	194	1812	20
7	668	668	19	441	882	22	351	1052	24	290	1160	25	141	1606	28
8	598	598	26	400	799	30	321	962	33	259	1036	34	107	1440	38
9	540	540	34	364	728	39	295	885	44	233	930	44	84	1280	49
10	490	490	43	333	666	50	272	816	56	211	844	55	67	1145	61
11	446	446	54	306	612	62	246	738	68	192	766	66	54	1042	75
12	408	408	65	283	565	75	224	672	82	175	700	83	45	940	90
13	376	376	78	261	522	90	204	612	96	161	642	97	38	854	106
14	345	345	90	241	482	106	187	560	112	148	592	114	32	786	124
15	320	320	106	226	451	124	171	514	132	136	544	132	29	720	143
16	294	294	123	208	416	143	158	475	152	126	504	152	23	662	163
17	272	272	144	194	388	166	145	436	171	116	465	172	19	616	186
18	252	252	160	180	360	190	134	402	193	107	428	194	17	559	204

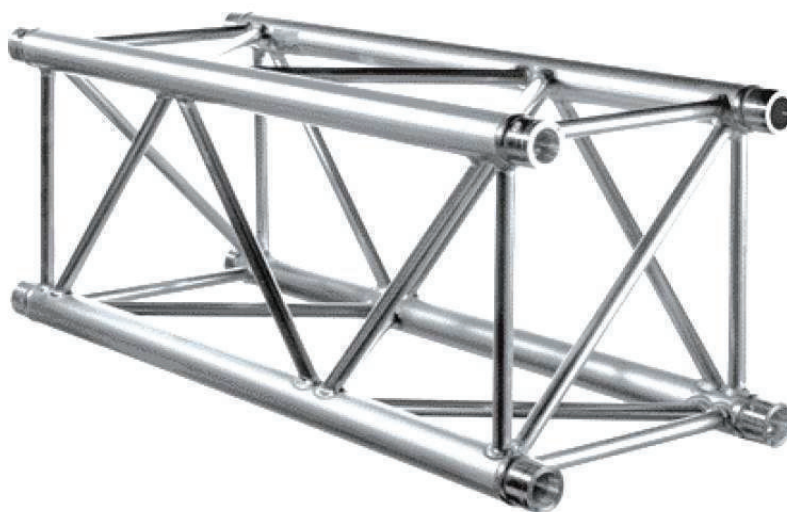
Calcolo eseguito in conformità della norma Europea **Eurocode 9, UNI ENV 1992**, "Progetto di strutture in alluminio"

Calculated according to European **Eurocode 9, UNI ENV 1992** "Project of aluminum structures".

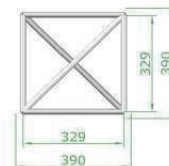
Description	Specification
External dimension	390 x 390 mm
Alloy	EN-AW 6082 T6
Main tube	Ø 50x2 mm EN-AW 6082 T6
Braces	Ø 20x2 mm EN-AW 6082 T6
Connecting	WKC Spigot series
Welding process	TIG (EWF - EN ISO 9606-2 - 2004)
Available length (cm)	50-100-150-200-250-300-350-400



WQ40S SERIES



WQ40 top view



WQ40 side view



Traliccio in alluminio a sezione quadrata rinforzato con lato da 40 cm.

A: Tubi correnti Ø 50x3 mm
Lega EN-AW 6082 T6
B: Diagonali Ø 20x2 mm
Lega EN-AW 6082 T6

Square section heavy duty truss with 40 cm long sides.

A: Chords extruded tube Ø 50x3 mm
EN-AW 6082 T6
B: Diagonals extruded tube Ø 20x2 mm
EN-AW 6082 T6

WQ40S

CODE	DIMENSIONS (cm)	WEIGHT (kg)
WQ40S/10	39x39x10	1.60
WQ40S/25	39x39x25	3.30
WQ40S/50	39x39x50	5.00
WQ40S/100	39x39x100	7.90
WQ40S/150	39x39x150	11.30
WQ40S/200	39x39x200	14.20
WQ40S/250	39x39x250	18.00
WQ40S/300	39x39x300	21.00
WQ40S/350	39x39x350	24.40
WQ40S/400	39x39x400	27.70

LOAD TABLE WQ40S

Span [m]	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.)		
	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]	Point Load [Kg]	Full Load [Kg]	Central Deflection [mm]
1	2934	2934	1	1760	3520	1	1244	3733	1	968	3872	1	4490	4490	1
2	2412	2412	1	1430	2860	1	1056	3168	1	844	3374	1	2236	4471	1
3	1930	1930	3	1201	2402	3	910	2731	3	743	2971	3	1458	4374	4
4	1598	1598	6	1029	2058	6	797	2390	7	661	2645	7	963	3850	9
5	1350	1350	10	895	1790	11	705	2115	12	594	2374	13	658	3291	13
6	1152	1152	14	792	1583	15	600	1800	18	514	2054	19	474	2841	21
7	1030	1030	22	702	1403	23	568	1705	26	448	1791	26	352	2461	29
8	910	910	29	627	1254	33	508	1523	36	396	1584	35	270	2161	39
9	815	815	37	567	1134	42	451	1354	45	355	1418	45	212	1911	50
10	738	738	47	515	1029	55	404	1211	55	311	1245	56	171	1709	62
11	672	672	57	475	950	64	364	1091	70	288	1152	69	140	1535	78
12	612	612	67	431	861	79	330	990	82	259	1037	88	116	1387	91
13	556	556	80	396	791	95	300	899	100	239	954	101	97	1260	107
14	501	501	95	362	723	111	273	820	115	218	871	118	82	1148	125
15	470	470	113	332	664	130	248	744	133	200	799	134	69	1041	144
16	420	420	128	311	621	152	227	681	152	183	732	154	60	954	165
17	396	396	146	287	574	171	208	624	175	168,25	673	174	50	871	187
18	361	361	165	263,5	527	191	190	570	194	153,5	614	192	43	799	211

Calcolo eseguito in conformità della norma Europea **Eurocode 9, UNI ENV 1992**, "Progetto di strutture in alluminio"

Calculated according to European **Eurocode 9, UNI ENV 1992** "Project of aluminum structures".

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