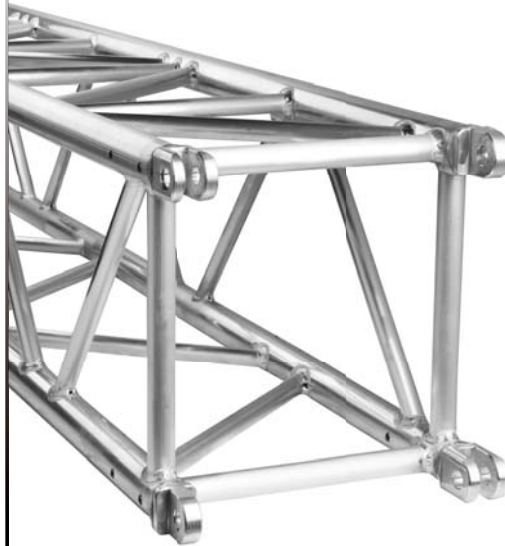




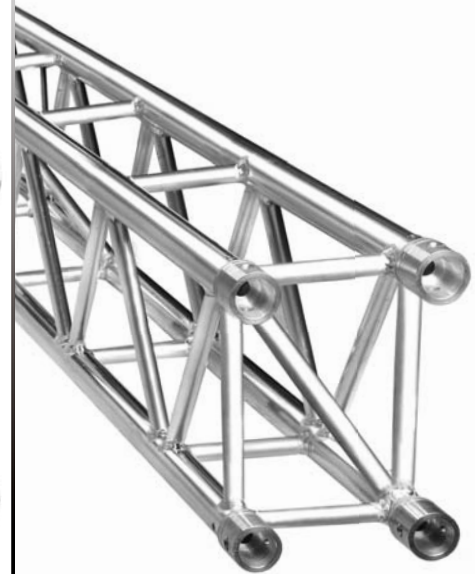
**SUPERIÒR** *series*



**TITANS** *series*



**HIGHT LOAD** *series*



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## ABOUT US

EFESTO is a Italian manufacturing company.

EFESTO designs and manufactures standard and custom aluminium truss systems for entertainment, world of entertainment, theatre, exhibition and offers a large range of stage platforms, roof systems, aluminium clamps, chain hoists and accessories to manage any kind of installation.

EFESTO, thanks a his wide experience of the industry, delivers a large range of safe products that stand out for high quality, innovative design and efficient performances.

The company assists clients in all step of project, giving solutions for all needs and different expectations.

*EFESTO è un'azienda italiana di produzione.*

*EFESTO progetta e produce tralicci in alluminio standard e personalizzati per il mondo dell'intrattenimento, teatri, mostre etc. EFESTO offre una vasta gamma di piani stage, sistemi di copertura, ganci in alluminio, paranchi a catena e accessori per gestire qualsiasi tipo di installazione.*

*EFESTO, grazie alla sua vasta esperienza nel settore delle costruzioni, offre una vasta gamma di prodotti sicuri che si distinguono per l'alta qualità, il design innovativo e le prestazioni efficienti.*

*L'azienda assiste i clienti in tutte le fase del progetto, fornendo soluzioni per tutte le esigenze e aspettative.*

## EFESTO's **strenghts**

*Designs of products and creative process*

Profound knowledge of construction processes and hands-on experience makes EFESTO expert in field of buildings .

EFESTO can realise simple standard solutions or complex designs: safe and simple solutions easy to assemble.

Any products stand out for high standards in safety, flexibility, user friendliness and durability .

Constant dialogue and the listening to the needs of specialists show business ,sometimes, inspires development of product lines with high levels of construction quality and advanced technology.

Beautiful and well-made products : the care for details are essential values of " **Made in Italy** ".

**Creativity, innovation and customer satisfaction** are the main principles and the distinctive marks supporting our company philosophy.



## MISSION

EFESTO's mission is to propose the innovative products to improve conditions and work quality, and to increase efficiency and reliability.

*"Innovating to provide the best solutions for our customers"*: this is the basic EFESTO philosophy.

## QUALITY CERTIFICATION

EFESTO is a company certified according to **UNI EN ISO 9001:2008** standards.

Consequently production, commercial and logistic processes are carried on in conformity with **ISO** guidelines.

Efesto's products comply with strict current standards and regulations.

Products have to comply with all the relevant international standards and they are tested and certified by the most respectable certification institutes.

The high quality of the raw material, the quality of welding and the quality on the manufacturing process guarantee **high safety**.

Manufacturing efficiency, the control protocol and the flexibility of the production processes guarantee **short delivery times**.

The trusses, both straight and curved lengths, are produced accurately, **measure - steady** and with very **tight tolerances**: there is a consistent quality of all products.

All pieces are identical and ensure a **short assembly time**.

## CUSTOMERS SUPPORT

The knowledge of safe practices and processes is important for a correct and safely use of products in all applications.

The safety is guaranteed not only through certificates, but also with common sense and deep knowledge of engineers and installers.

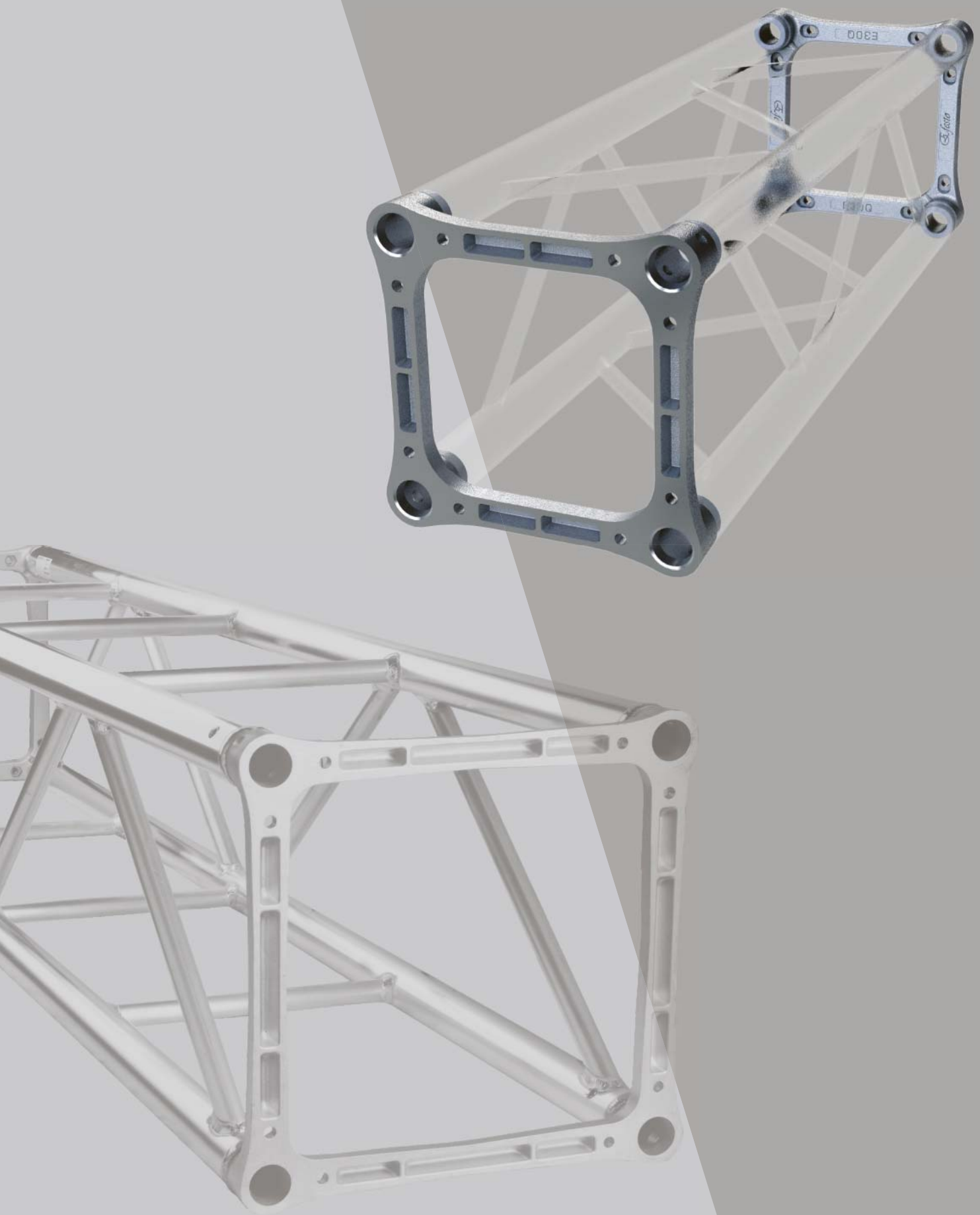
EFESTO ensures safety by designing and building truly durable and reliable products.

It is offered all the documentation you need about the manufacturing processes, materials used, and complete and valid loading data and calculation methods for a safe working load.

All our standard systems are supplied with a manual.

The roof systems or the more complex structures, are supplied with a complete manual video of assembly instructions for help customers to obtain the knowledge and practical skills to make the best use of EFESTO products.





EASY *series*



# EASY series



## EASY series

*EASY because lightweight series*

**EASY** is the easy and lightweight series suitable for all kind of simple and fast configurations .  
The ends of the **EASY** are aluminium casting **plates** with **short insert**.

The **strength** is a double connection system: bolt connection and quick connection spigots.

**Ideal applications** are exhibitions, showrooms, shops, salt, cinema, public and private presentations, advertising and exhibitions, entertainment places with audio and songs.

These series are very versatile in their use and very fast to be joined, ideals for any *solutions with low load capacity*.

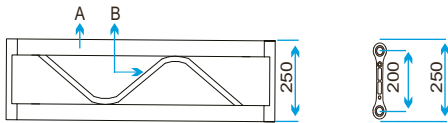


E25F

Flat section aluminium truss with **25 cm** long sides  
*Traliccio sezione piana lato 25 cm, in alluminio*

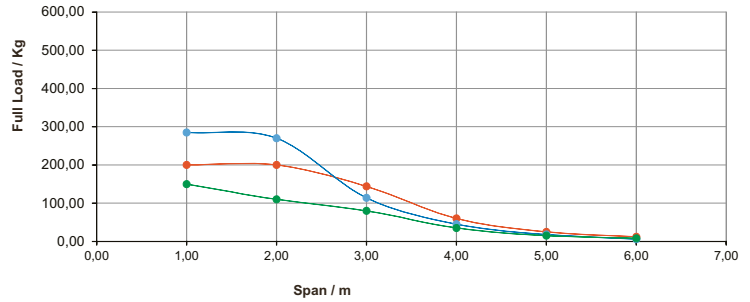
**Double connection system**

**KB2** Bolt connection kit for 25series / *Kit di connessione a bulloni*  
**SSF02** Quick connection kit / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x2 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 18x1,5 mm EN AW 6060 T5

Ends: Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*



Code	Weight Kg	Volume m <sup>3</sup>	Length cm
E25F/10	1,36	0,001	10
E25F/21	1,55	0,0021	21
E25F/25	1,60	0,0025	25
E25F/50	2,10	0,005	50
E25F/100	2,98	0,010	100
E25F/150	3,91	0,020	150
E25F/200	4,80	0,022	200
E25F/250	5,13	0,025	250
E25F/300	6,63	0,030	300
E25F/350	7,55	0,29	350
E25F/400	8,45	0,40	400

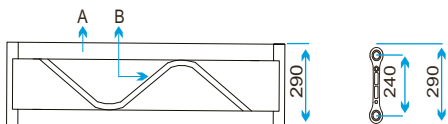
Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
6,00	8,00	1,55	2,00	6,00	1,30	2,00	12,00	1,40
5,00	15,00	1,45	6,00	18,00	1,28	5,00	25,00	1,40
4,00	35,00	1,35	15,00	45,00	1,27	15,00	60,00	1,40
3,00	80,00	1,30	38,00	114,00	1,27	48,00	144,00	1,40
2,00	110,00	1,20	90,00	270,00	1,26	100,00	200,00	0,80
1,00	150,00	0,20	95,00	285,00	0,31	200,00	200,00	0,30

E30F

Flat section aluminium truss with **29 cm** long sides  
*Traliccio sezione piana lato 29 cm, in alluminio*

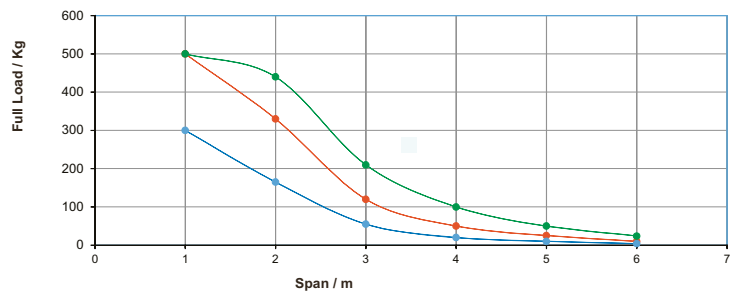
**Double connection system**

**KB2** Bolt connection kit for E30F series / *Kit di connessione a bulloni*  
**SSF02** Quick connection kit / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x2,0 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 18x1,5 mm EN AW 6082 T6

Ends: Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*



Code	Weight Kg	Volume m <sup>3</sup>	Length cm
E30F/10	1,42	0,002	10
E30F/21	1,60	0,003	21
E30F/25	1,66	0,003	25
E30F/50	2,15	0,006	50
E30F/100	3,13	0,012	100
E30F/150	4,11	0,018	150
E30F/200	5,04	0,024	200
E30F/250	6,07	0,030	250
E30F/300	7,05	0,036	300
E30F/350	8,03	0,042	350
E30F/400	9,00	0,042	400

Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
6	10	1,28	4	24,00	1,30	4	24	1,23
5	25	1,24	10	50,00	1,28	10	50	1,19
4	50	1,22	20	80,00	1,27	25	100	1,27
3	120	1,31	55	165,00	1,27	70	210	1,35
2	330	1,33	165	330,00	1,26	320	440	1,38
1	500	0,44	300	300,00	0,31	500	500	0,10

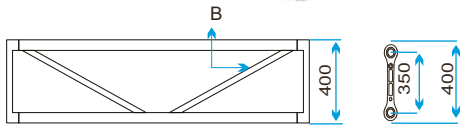


E40F

Flat section aluminium truss with 40 cm long sides  
 Traliccio sezione **piana lato 40 cm**, in alluminio

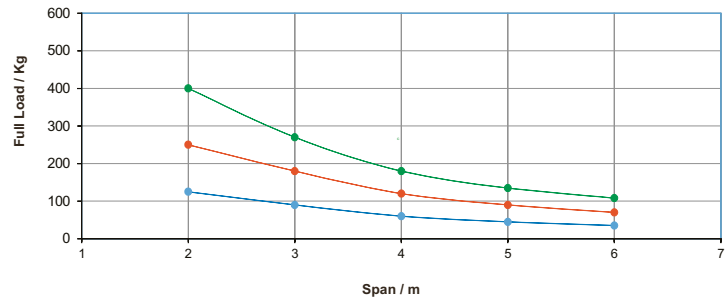
**Double connection system**

**KB2** Bolt connection kit for E40F series / Kit di connessione a bulloni  
**SSF02** Quick connection kit / Kit di connessione rapida



**A** Main tubes / Paralleli Ø 50x2 mm EN AW 6082 T6  
**B** Diagonals / Trasversali Ø 20x2 mm EN AW 6082 T6

**Ends:** Aluminium casting plate  
 Piastra in fusione di alluminio: **EN AB-44100**



Code	Weight Kg	Volume m <sup>3</sup>	Length cm
E40F/10	2,99	0,002	10
E40F/21	3,17	0,004	21
E40F/25	3,36	0,004	25
E40F/50	3,58	0,008	50
E40F/100	4,97	0,016	100
E40F/150	6,47	0,024	150
E40F/200	7,98	0,032	200
E40F/250	9,50	0,040	250
E40F/300	11,02	0,048	300
E40F/350	12,52	0,056	350
E40F/400	14,04	0,064	400

Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
	6	70	2,90	35	105	2,90	18	108
5	90	2,00	45	135	2,00	27	135	2,00
4	120	1,30	60	180	1,30	45	180	1,30
3	180	0,80	90	270	0,80	90	270	0,80
2	250	0,30	125	375	0,30	200	400	0,30

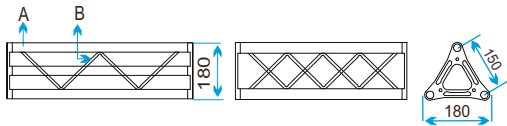
# TRE18



Triangular section aluminium truss with 18 cm long sides  
*Traliccio sezione triangolare lato 18 cm, in alluminio*

### Connection systems

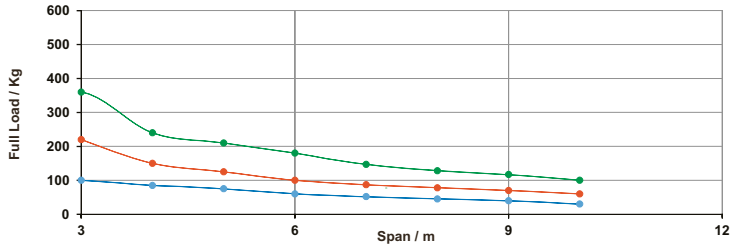
**KB3** Bolt connection kit for TRE18 series / *Kit di connessione a bulloni*



**A** Main tubes / *Paralleli* Ø 30x1,5 mm EN AW 6060 T5  
**B** Diagonals / *Trasversali* Ø 10x1,5 mm EN AW 6060 T5

**Ends:** Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*

TRE18/50	1,28	0,016	50
TRE18/100	1,90	0,023	100
TRE18/150	2,51	0,049	150
TRE18/200	3,12	0,065	200
TRE18/250	3,73	0,081	250
TRE18/300	4,35	0,097	300



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
10	60	82,00	30	90	85,00	10	100	86,00
9	70	69,00	40	120	71,00	13	117	72,00
8	78	54,00	45	135	56,00	16	128	56,00
7	87	40,00	52	156	42,00	21	147	43,00
6	100	30,00	60	180	33,00	30	180	33,00
5	125	21,00	75	225	22,00	42	210	22,00
4	150	13,00	85	255	15,00	60	240	13,00
3	220	8,00	100	300	10,00	120	360	9,00
2	300	4,00	110	330	5,00	150	300	4,00

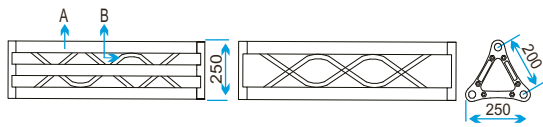
# E25T



Triangular section aluminium truss with 25 cm long sides  
*Traliccio sezione triangolare lato 25 cm, in alluminio*

### Double connection system

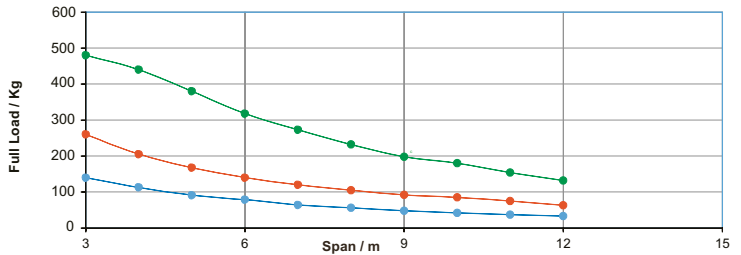
**KB6** Bolt connection kit for E25T series / *Kit di connessione a bulloni*  
**SSF03** Quick connection kit / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x2,0 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 18x1,5 mm EN AW 6060 T5

**Ends:** Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*

E25T/10	1,42	0,006	10
E25T/21	1,67	0,012	21
E25T/25	1,76	0,014	25
E25T/50	2,54	0,028	50
E25T/100	3,89	0,055	100
E25T/150	5,10	0,083	150
E25T/200	6,57	0,110	200
E25T/250	7,92	0,138	250
E25T/300	9,14	0,165	300
E25T/350	10,47	0,193	350
E25T/400	11,82	0,220	400



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
12	63	66	33	99	106	11	132	84
11	75	60	37	111	89	14	154	75
10	85	50	42	126	74	18	180	66
9	92	41	48	144	56	22	198	53
8	105	32	56	168	47	29	232	44
7	120	24	64	192	35	39	273	35
6	140	18	79	237	26	53	318	25
5	168	12	91	273	17	76	380	18
4	205	8	113	339	11	115	440	11
3	260	4	140	420	6	160	480	5





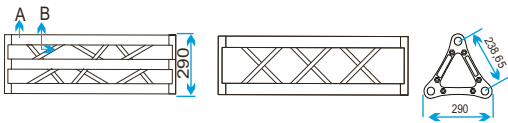
### E30T



Triangular section aluminium truss with 29 cm long sides  
*Traliccio sezione triangolare lato 29 cm, in alluminio*

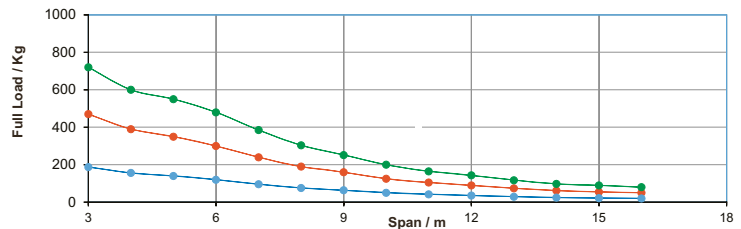
**Double connection system**

**KB6** Bolt connection kit for E30Q series / *Kit di connessione a bulloni*  
**SSF03** Quick connection kit / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x2,0 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 18x1,5 mm EN AW 6082 T6

**Ends:** Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	50	142	20	60	142	5	80	142
15	55	125	22	66	125	6	90	125
14	62	106	25	74	106	7	98	106
13	74	93	30	89	93	9	117	93
12	90	83	36	108	83	12	144	83
11	105	69	42	126	69	15	165	69
10	125	59	50	150	59	20	200	59
9	160	51	64	192	51	28	252	51
8	190	42	76	228	42	38	304	42
7	240	35	96	288	35	55	385	35
6	300	26	120	360	26	80	480	26
5	350	17	140	420	17	110	550	17
4	390	10	156	468	10	150	600	10
3	470	5	188	564	5	240	720	5

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
E30T/10	1,42	0,007	10
E30T/21	1,67	0,015	21
E30T/25	2,20	0,018	25
E30T/50	4,50	0,036	50
E30T/100	7,00	0,073	100
E30T/150	9,96	0,109	150
E30T/200	11,13	0,145	200
E30T/250	11,70	0,181	250
E30T/300	13,40	0,218	300
E30T/350	15,13	0,254	350
E30T/400	16,85	0,254	400

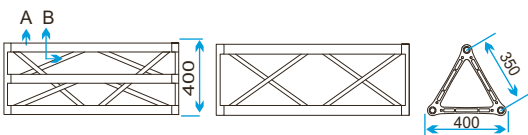
### E40T



Triangular section aluminium truss with 40 cm long sides  
*Traliccio sezione triangolare lato 40 cm, in alluminio*

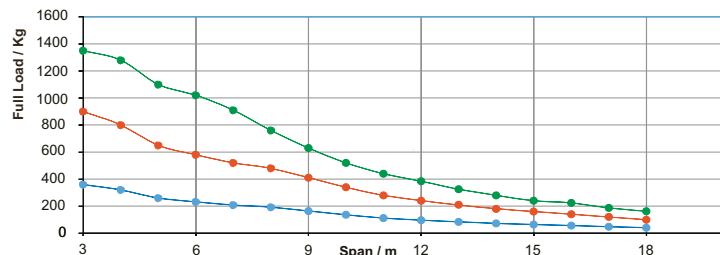
**Double connection system**

**KB6** Bolt connection kit for E40T series / *Kit di connessione a bulloni*  
**SSF03** Quick connection kit / *Kit di connessione rapida*



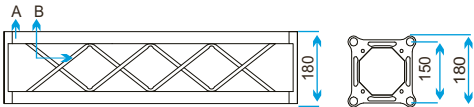
**A** Main tubes / *Paralleli* Ø 50x2 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 20X2 mm EN AW 6082 T6

**Ends:** Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	100	121	40	120	121	9	162	122
17	120	113	48	144	113	11	187	111
16	140	104	56	168	104	14	224	104
15	160	94	64	192	94	16	240	89
14	180	83	72	216	83	20	280	81
13	210	75	84	252	75	25	325	73
12	240	65	96	288	65	32	384	65
11	280	57	112	336	57	40	440	56
10	340	51	136	408	51	52	520	49
9	410	44	164	492	44	70	630	42
8	480	36	192	576	36	95	760	35
7	520	26	208	624	26	130	910	28
6	580	17	232	696	17	170	1020	20
5	650	12	260	780	12	220	1100	12
4	800	7	320	960	7	320	1280	8
3	900	3	360	1080	3	450	1350	3

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
E40T/10	3,40	0,014	10
E40T/21	4,10	0,029	21
E40T/25	4,40	0,035	25
E40T/50	4,90	0,070	50
E40T/100	6,50	0,140	100
E40T/150	8,00	0,210	150
E40T/200	10,00	0,280	200
E40T/250	12,20	0,350	250
E40T/300	13,50	0,420	300
E40T/350	16,00	0,490	350
E40T/400	17,00	0,560	400



**A** Main tubes / Paralleli Ø 30x1,5 mm EN AW 6060 T5  
**B** Diagonals / Trasversali Ø 10x1 mm EN AW 6060 T5

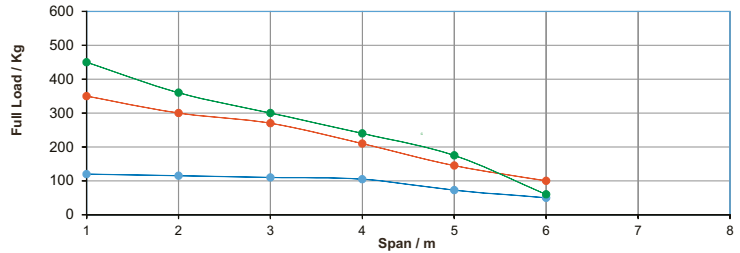
**Ends:** Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
S18/50	1,65	0,016	50
S18/100	2,21	0,032	100
S18/150	2,80	0,048	150
S18/200	3,41	0,065	200
S18/250	4,00	0,081	250
S18/300	4,55	0,097	300

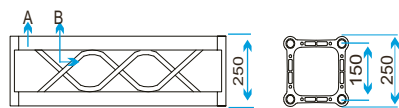
**Square section aluminium truss with 18 cm long sides**  
*Traliccio sezione quadrata lato 18 cm, in alluminio*

**Connection systems**

**KB4** Bolt connection kit for S18 series / *Kit di connessione a bulloni*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
6	100	25	50	300	25	28	60	24,00
5	145	20	73	363	20	35	175	20,00
4	210	16	105	420	16	60	240	12,00
3	270	7	110	330	7	100	300	6,00
2	300	3	115	230	3	180	360	2,00
1	350	1	120	120	1	450	450	1,00



**A** Main tubes / Paralleli Ø 50x2 mm EN AW 6082 T6  
**B** Diagonals / Trasversali Ø 18x1,5 mm EN AW 6060 T5

**Ends:** Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*

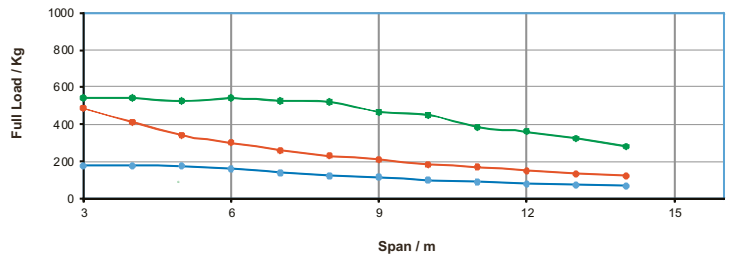
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
E25Q/10	2,50	0,006	10
E25Q/21	2,80	0,013	21
E25Q/25	2,90	0,016	25
E25Q/50	3,50	0,031	50
E25Q/100	5,20	0,063	100
E25Q/150	6,80	0,093	150
E25Q/200	8,40	0,125	200
E25Q/250	10,00	0,156	250
E25Q/300	11,60	0,188	300
E25Q/350	13,30	0,219	350

**Square section aluminium with 25 cm long sides**  
*Traliccio sezione quadrata lato 25 cm, in alluminio*

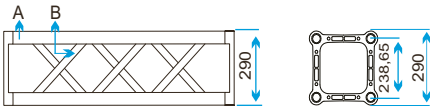
**Double connection system**

**KB8** Bolt connection kit for E25Q series / *Kit di connessione a bulloni*

**SSF04** Quick connection kit / *Kit di connessione rapida*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
14	125	130,0	70	210	160	20	280	175
13	135	112,0	75	225	135	25	325	155
12	150	94,0	82	115	173	30	360	130
11	170	77,0	90	98	148	35	385	110
10	185	62,0	100	78	126	45	450	90
9	210	48,0	115	62	105	52	468	70
8	230	37,0	125	50	87	65	520	54
7	260	26,0	140	35	70	75	525	35
6	300	18,0	160	25	55	90	540	23
5	340	13,0	175	15	42	105	525	12
4	410	7,0	177	10	30	135	540	7
3	485	3,5	180	5	21	180	540	3



**A** Main tubes / Paralleli Ø 50x2,0 mm EN AW 6082 T6  
**B** Diagonals / Trasversali Ø 18x1,5 mm EN AW 6082 T6

**Ends:** Aluminium casting plate  
 Piastra in fusione di alluminio: **EN AC-42200 T6**

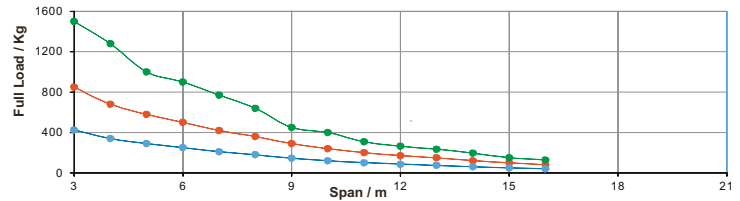
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
E30Q/10	3,20	0,008	10
E30Q/21	3,50	0,012	21
E30Q/25	4,90	0,021	25
E30Q/50	7,17	0,042	50
E30Q/100	9,00	0,084	100
E30Q/150	11,00	0,126	150
E30Q/200	13,50	0,168	200
E30Q/250	16,00	0,252	250
E30Q/300	18,50	0,252	300
E30Q/350	20,50	0,294	350
E30Q/400	22,50	0,336	400

**Square section aluminium truss with 29 cm long sides**  
 Traliccio sezione quadrata lato 29 cm, in alluminio

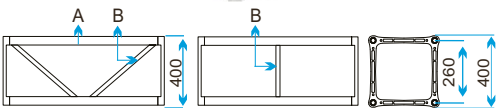
E30Q

**Double connection system**

**KB8** Bolt connection kit for E30Q series / Kit di connessione a bulloni  
**SSF04** Quick connection kit / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	80	113	40	120	113	8	128	113
15	100	100	50	150	100	10	150	98
14	120	89	60	180	89	14	196	87
13	150	80	75	225	80	18	234	80
12	170	70	85	255	70	22	264	69
11	200	63	100	300	63	28	308	60
10	240	55	120	360	55	40	400	55
9	290	46	145	435	46	50	450	46
8	360	40	180	540	40	80	640	42
7	420	30	210	630	30	110	770	32
6	500	22	250	750	22	150	900	24
5	580	14	290	870	14	200	1000	15
4	680	9	340	1020	9	320	1280	10
3	850	4	425	1275	4	500	1500	5



**A** Main tubes / Paralleli Ø 50x2 mm EN AW 6082 T6  
**B** Diagonals / Trasversali Ø 25x2 mm EN AW 6060 T5

**Ends:** Aluminium casting plate  
 Piastra in fusione di alluminio: **EN AB-44100**

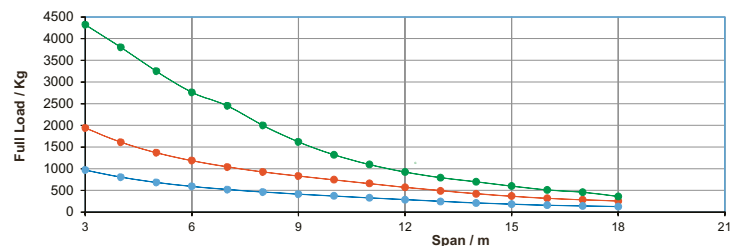
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
E40Q/10	5,85	0,02	10
E40Q/25	6,31	0,04	25
E40Q/50	7,31	0,08	50
E40Q/100	9,25	0,16	100
E40Q/150	12,61	0,24	150
E40Q/200	14,52	0,32	200
E40Q/250	16,89	0,40	250
E40Q/300	18,80	0,48	300
E40Q/350	22,02	0,56	350
E40Q/400	24,47	0,64	400

**Square section aluminium truss with 40 cm long sides**  
 Traliccio sezione quadrata lato 40 cm, in alluminio

E40Q

**Double connection system**

**KB8** Bolt connection kit for E40Q series / Kit di connessione a bulloni  
**SSF04** Quick connection kit / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	255	114	128	383	114,00	20	360	105
17	285	102	143	428	102,00	27	459	103
16	320	92	160	480	92,00	32	512	92
15	370	84	185	555	84,00	40	600	89
14	420	75	210	630	75,00	50	700	78
13	490	68	245	735	68,00	61	793	69
12	570	61	285	855	61,00	77	924	61
11	660	53	330	990	53,00	100	1100	55
10	748	45	374	1122	45,00	132	1320	49
9	830	36	415	1245	36,00	180	1620	43
8	927	28	464	1391	28,00	250	2000	37
7	1040	21	520	1560	21,00	350	2450	32
6	1190	15	595	1785	15,00	460	2760	22
5	1370	10	685	2055	10,00	650	3250	15
4	1610	6	805	2415	6,00	950	3800	9
3	1940	3	970	2910	3,00	1440	4320	4



With any type of truss, both the flat section, both the square section it's possible make simple or complex geometry shapes.

**Arcs, circular trusses, domes, semi circles, ellipses, irregular curved shapes.**

There are one solution for the square section, three for the triangular section and two for the flat section.

Each type of truss is suitable to different needs and demands. Available in different lengths, thicknesses and shapes, each modular component allows the creation of structures easy to assemble and easy to transport..

Efesto's trusses are functionals, easily exchangeable, light elements for design and for the weight.

The modular components of the same series have compatible connection systems . The pictures above are some of the possible applications of circular flat series.

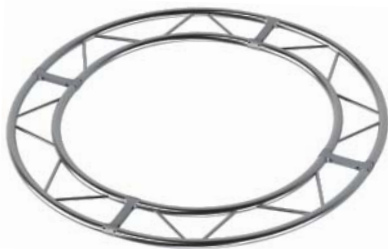
*A game of combinations of base structures makes every time different and exclusive the work of artist.*

*Con ogni tipo di Traliccio, sia esso appartenente alla sezione piana, sia esso appartenente alla sezione quadrata è possibile realizzare figure geometriche semplici o complesse: **Archi, Cerchi, Cupole, Ellissi Semi- archi.***

*Ogni tipologia di traliccio risulta, nella sua versatilità, adattabile alle esigenze e alle richieste più disparate. Disponibili in varie lunghezze, spessori e forme, ogni componente modulare prefigura la realizzazione di strutture di facile montaggio e di agevole trasporto.*

*I **Tralicci Efesto** sono funzionali, facilmente inter-abbinabili, elementi leggeri sia per il design, sia per il peso contenuto. Le componenti modulari della stessa serie godono di interconnessioni di assoluta compatibilità. Quelli presenti nelle foto sono alcune delle possibili applicazioni pratiche di sezioni circolari serie piana.*

**Un gioco di sapienti combinazioni delle strutture basi modulari rende ogni volta diverso ed unico il lavoro dell'artista - costruttore per un risultato finale ad effetto garantito.**



Flat section aluminium circular truss  
*Cerchio sezione piana in alluminio*

**Double connection system**

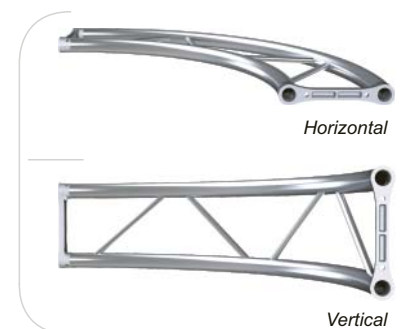
**KB2** Bolt connection kit / *Kit di connessione a bulloni*

**SSF02** Quick connection kit / *Kit di connessione rapida*

**Ends:** Aluminium casting plate

*Piastra in fusione di alluminio: EN AB-44100*

Code	kg	m <sup>3</sup>	Code	kg	m <sup>3</sup>	Code	kg	m <sup>3</sup>	Ø External	N. Sections
E25FC2	14,15	0,35	E30FC2	19,50	0,51	E40FC2	17,0	0,91	200 cm	4
E25FC3	19,25	0,55	E30FC3	25,00	0,76	E40FC3	24,0	1,36	300 cm	4
E25FC4	25,31	0,71	E30FC4	31,50	1,02	E40FC4	32,0	1,81	400 cm	4
E25FC5	31,00	0,88	E30FC5	36,10	1,27	E40FC5	38,5	2,26	500 cm	4
E25FC6	42,00	2,12	E30FC6	52,00	3,05	E40FC6	53,5	5,43	600 cm	8
E25FC7	47,10	2,48	E30FC7	58,00	3,60	E40FC7	60,1	6,34	700 cm	8
E25FC8	52,20	2,85	E30FC8	64,00	4,10	E40FC8	67,0	7,24	800 cm	8
E25FC9	57,30	3,20	E30FC9	69,50	4,60	E40FC9	73,5	8,14	900 cm	8
E25FC10	62,40	3,53	E30FC10	76,00	5,08	E40FC10	81,5	9,05	1000 cm	8







E25TC E30TC E40TC

Triangular section aluminium circular truss  
*Cerchio sezione triangolare in alluminio*

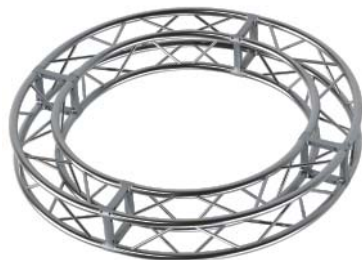
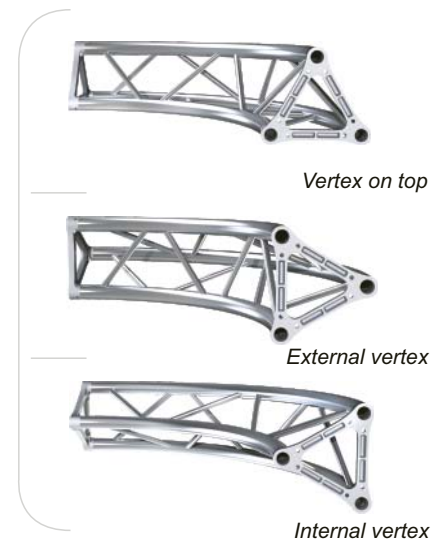
**Double connection system**

**KB6** Bolt connection kit / *Kit di connessione a bulloni*  
**SSF03** Quick connection kit / *Kit di connessione rapida*

**Ends:** Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*

Code	kg	m <sup>3</sup>	Code	kg	m <sup>3</sup>	Code	kg	m <sup>3</sup>	Ø External	N. Sections
E25TC2	28.19	0.40	E30TC2	31.00	0.48	E40TC2	40.00	0.86	200 cm	4
E25TC3	36.50	0.59	E30TC3	39.40	0.74	E40TC3	47.50	1.31	300 cm	4
E25TC4	36.68	0.78	E30TC4	48.00	0.99	E40TC4	60.00	1.76	400 cm	4
E25TC5	44.50	0.98	E30TC5	57.00	1.25	E40TC5	69.70	2.25	500 cm	4
E25TC6	52.61	1.18	E30TC6	91.00	3.00	E40TC6	124.00	5.35	600 cm	8
E25TC7	80.00	1.37	E30TC7	110.50	3.51	E40TC7	136.00	6.24	700 cm	8
E25TC8	97.00	1.57	E30TC8	110.00	4.01	E40TC8	148.00	7.15	800 cm	8
E25TC9	108.00	1.77	E30TC9	124.00	4.60	E40TC9	170.00	8.00	900 cm	8
E25TC10	116.00	1.96	E30TC10	134.00	5.00	E40TC10	181.00	8.96	1000 cm	8

It's possible to ask triangular section aluminium circular truss with 18 cm long side and different diameter.



E25QC E30QC E40QC

Square section aluminium circular truss  
*Cerchio sezione quadrata in alluminio*

**Double connection system**

**KB8** Bolt connection kit / *Kit di connessione a bulloni*  
**SSF04** Quick connection kit / *Kit di connessione rapida*

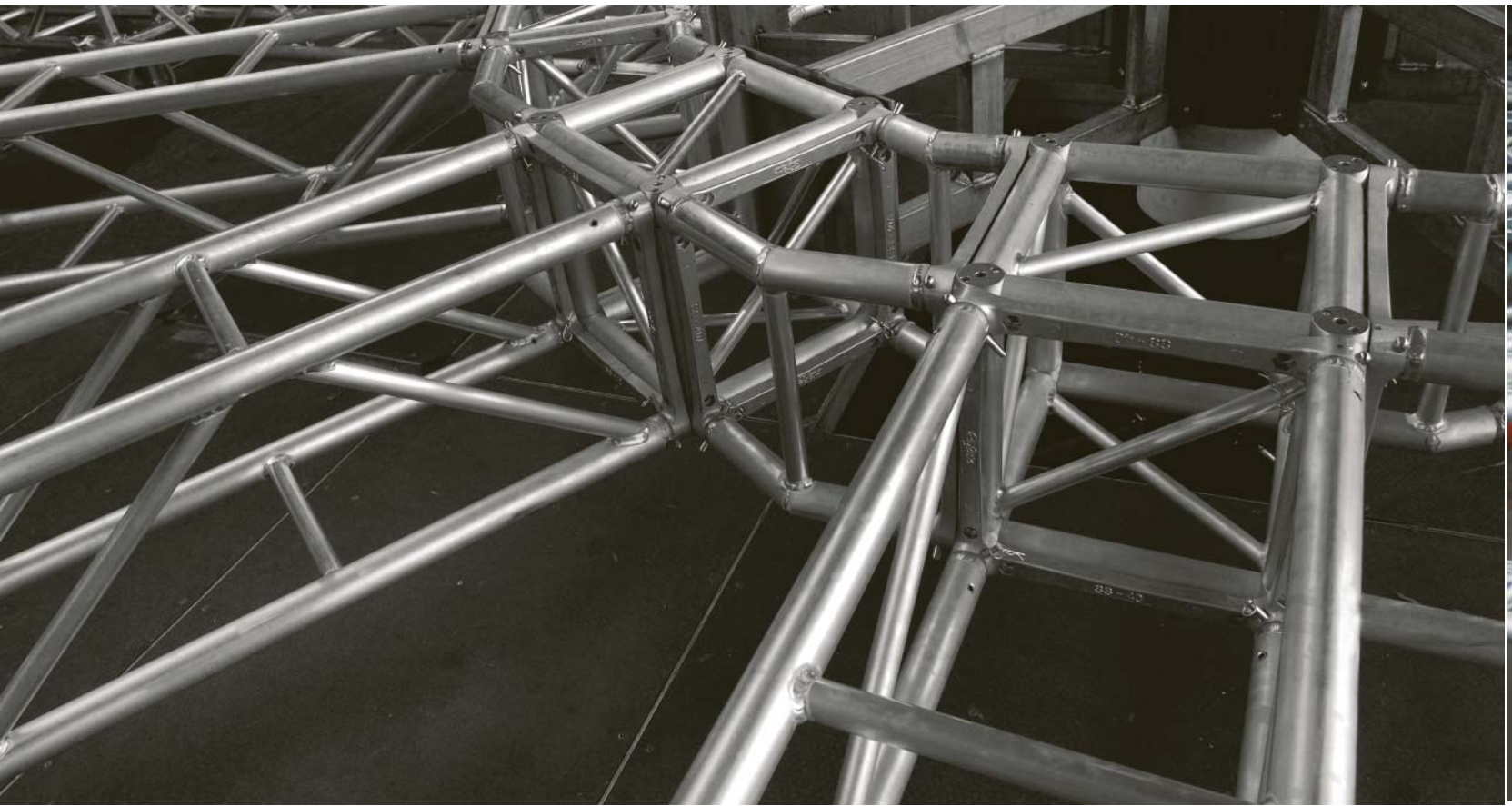
**Ends:** Aluminium casting plate  
*Piastra in fusione di alluminio: EN AB-44100*

Code	kg	m <sup>3</sup>	Code	kg	m <sup>3</sup>	Code	kg	m <sup>3</sup>	Ø External	N. Sections
E25QC2	32.60	0.61	E30QC2	25.80	0.51	E40QC2	32.60	0.61	200 cm	4
E25QC3	44.70	0.80	E30QC3	39.60	0.76	E40QC3	44.70	0.80	300 cm	4
E25QC4	57.50	1.20	E30QC4	54.30	1.02	E40QC4	57.50	1.20	400 cm	4
E25QC5	69.00	1.37	E30QC5	68.40	1.27	E40QC5	69.00	1.37	500 cm	4
E25QC6	96.00	3.10	E30QC6	82.80	3.05	E40QC6	96.00	3.10	600 cm	8
E25QC7	108.60	3.80	E30QC7	97.50	3.60	E40QC7	108.60	3.80	700 cm	8
E25QC8	117.40	4.50	E30QC8	112.20	4.10	E40QC8	117.40	4.50	800 cm	8
E25QC9	127.60	5.20	E30QC9	127.00	4.60	E40QC9	127.60	5.20	900 cm	8
E25QC10	138.00	5.30	E30QC10	140.00	5.08	E40QC10	138.00	5.30	1000 cm	8

It's possible to ask square section aluminium circular truss with 18 cm long side and different diameter



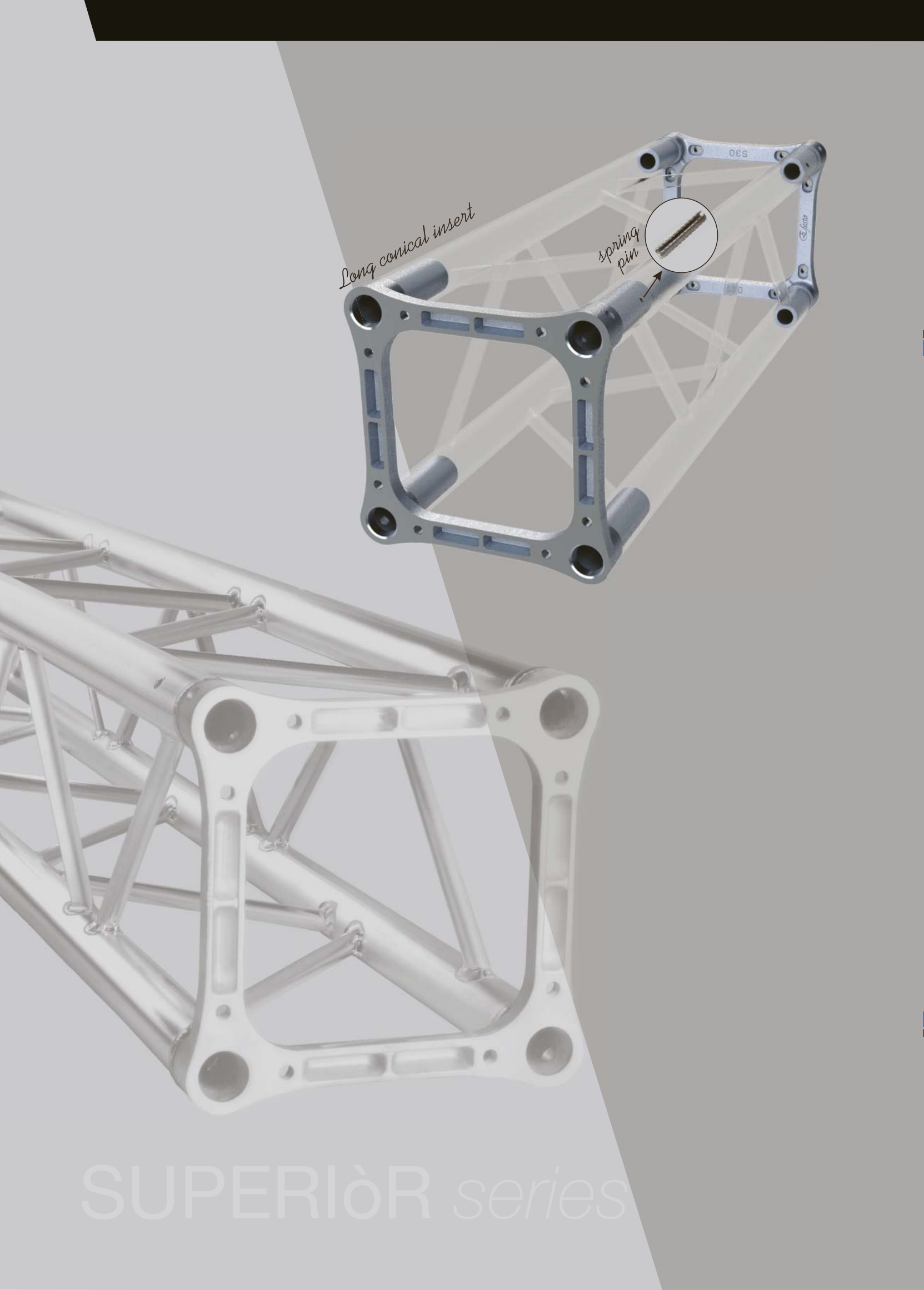












*Long conical insert*

*spring pin*



*SUPERIOR series*



# SUPERIÒR series

Security system = SUPERIÒR series

*2 times safer*

*2 times stronger*

*Long conical insert* +  
*spring pin* =  
Security system



## SUPERIÒR series

### ***The truss has soul!***

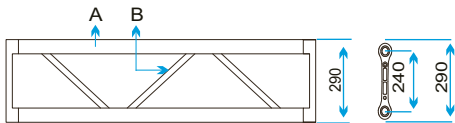
Efesto's truss stands out for **long conical inserts system** of aluminium casting plate.

The **long conical insert system** of aluminium casting plate is a hidden device that, in the situations of high load, **improves the performance and safety** of trusses.

Long conical inserts are fixed to the main tubes of truss by a certified welding and **security springs pin**.

### ***Efesto's truss has a better security***

The combination between the spring pin and the long conical insert of aluminium casting plate makes a **security system** for a truss module superior: it is **stronger for added security**.



A Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 30x3 mm EN AW 6082 T6

Ends:  
 Aluminium casting plate - Long insert / Security System  
 Piastra in fusione di alluminio: EN AB-44100

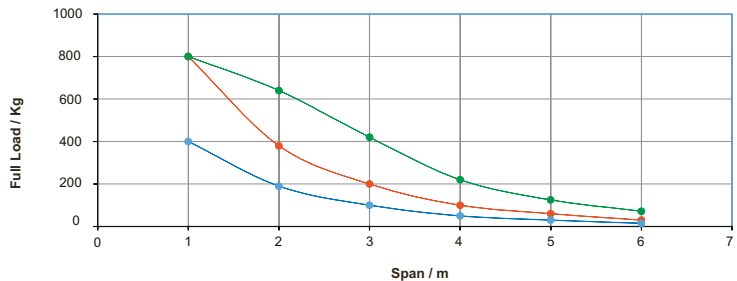
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
PP30/50	2,76	0,006	50
PP30/100	4,15	0,012	100
PP30/150	5,65	0,018	150
PP30/200	7,16	0,024	200
PP30/250	8,68	0,024	250
PP30/300	10,20	0,036	300
PP30/350	11,70	0,042	350
PP30/400	13,22	0,048	400

## PP30

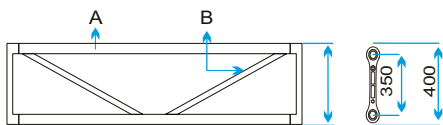
Flat section aluminium truss with 29 cm long sides  
 Traliccio sezione *piana* lato 29 cm, in alluminio

### Double connection system

KB2 Bolt connection kit for PP30series / Kit di connessione a bulloni  
 SSF02 Quick connection kit / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
6	30	2,00	15	45	1,30	12	72	3,00
5	60	2,00	30	90	1,28	25	125	3,00
4	100	2,00	50	150	1,27	55	220	2,00
3	200	2,00	100	300	1,27	140	420	2,00
2	380	1,00	190	570	1,26	320	640	1,00
1	800	1,00	400	1200	0,31	800	800	1,00



A Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 30x3 mm EN AW 6082 T6

Ends:  
 Aluminium casting plate - Long insert / Security System  
 Piastra in fusione di alluminio: EN AB-44100

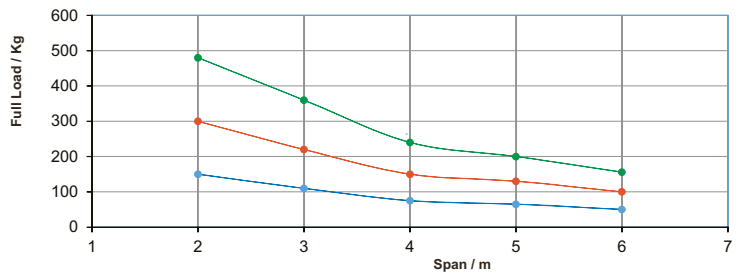
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
PP40/50	4,13	0,08	50
PP40/100	5,51	0,016	100
PP40/150	7,38	0,024	150
PP40/200	8,76	0,032	200
PP40/250	10,30	0,040	250
PP40/300	11,68	0,048	300
PP40/350	13,38	0,056	350
PP40/400	15,09	0,064	400

## PP40

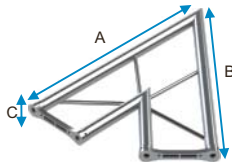
Flat section aluminium truss with 40 cm long sides  
 Traliccio sezione *piana* lato 40 cm, in alluminio

### Double connection system

KB2 Bolt connection kit for PP40series / Kit di connessione a bulloni  
 SSF02 Quick connection kit / Kit di connessione rapida

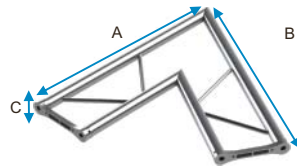


Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
6	100	2,80	50	300	2,80	26	156	2,80
5	130	2,00	65	325	2,00	40	200	2,00
4	150	1,20	75	300	1,20	60	240	1,20
3	220	0,70	110	330	0,70	120	360	0,70
2	300	0,30	150	300	0,30	240	480	0,30



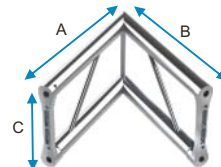
2 way 45° corner horizontal  
45° 2 vie orizzontale

Code	A	B	C	KG
E25FL2O/45	100	100	5	3,40
E30FL2O/45	100	100	5	4,10
E40FL2O/45	100	100	5	4,40
PP30L2O/45	100	100	5	4,60
PP40L2O/45	100	100	5	5,10



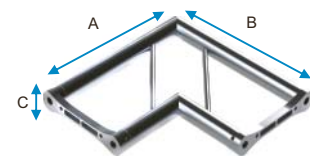
2 way 60° corner horizontal  
60° 2 vie orizzontale

Code	A	B	C	KG
E25FL2O/60	50	50	5	2,75
E30FL2O/60	100	100	5	3,90
E40FL2O/60	100	100	5	4,20
PP30L2O/60	100	100	5	4,60
PP40L2O/60	100	100	5	5,10



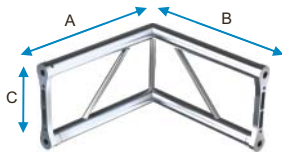
2 way 60° corner vertical  
60° 2 vie verticali

Code	A	B	C	KG
E25FL2V/60	50	50	25	3,25
E30FL2V/60	50	50	29	2,60
E40FL2V/60	50	50	40	3,40
PP30L2V/60	50	50	29	3,10
PP40L2V/60	50	50	40	4,80



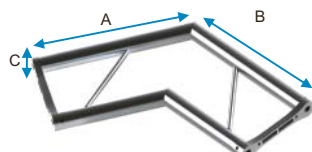
2 way 90° corner horizontal  
90° 2 vie orizzontale

Code	A	B	C	KG
E25FL2O/90	50	50	5	1,65
E30FL2O/90	50	50	5	2,50
E40FL2O/90	50	50	5	2,80
PP30L2O/90	50	50	5	4,80
PP40L2O/90	50	50	5	3,30



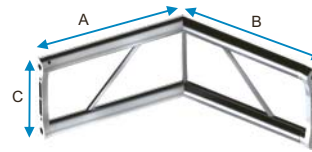
2 way 90° corner vertical  
90° 2 vie verticale

Code	A	B	C	KG
E25FL2V/90	50	50	25	3,25
E30FL2V/90	50	50	29	2,60
E40FL2V/90	50	50	40	3,40
PP30L2V/90	50	50	29	3,10
PP40L2V/90	50	50	40	4,50



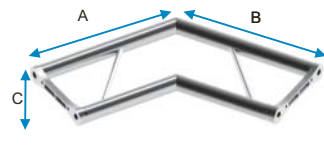
2 way 120° corner horizontal  
120° 2 vie orizzontale

Code	A	B	C	KG
E25FL2O/120	50	50	5	1,66
E30FL2O/120	50	50	5	2,56
E40FL2O/120	50	50	5	2,80
PP30L2O/120	50	50	5	2,90
PP40L2O/120	50	50	5	3,30



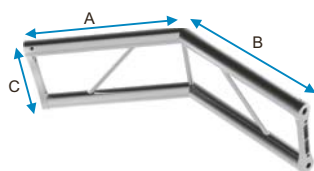
2 way 120° corner vertical  
120° 2 vie verticale

Code	A	B	C	KG
E25FL2V/120	50	50	25	1,66
E30FL2V/120	50	50	29	2,56
E40FL2V/120	50	50	40	3,40
PP30L2V/120	50	50	25	3,00
PP40L2V/120	50	50	29	3,10



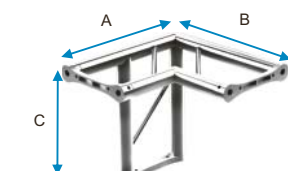
2 way 135° corner horizontal  
135° 2 vie orizzontale

Code	A	B	C	KG
E25FL2O/135	50	50	5	1,85
E30FL2O/135	50	50	5	2,70
E40FL2O/135	50	50	5	2,60
PP30L2O/135	50	50	5	2,70
PP40L2O/135	50	50	5	2,80



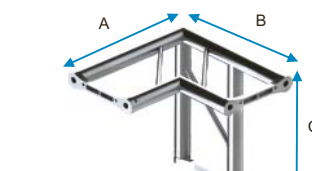
2 way 135° corner vertical  
135° 2 vie verticale

Code	A	B	C	KG
E25FL2V/135	50	50	25	1,85
E30FL2V/135	50	50	29	2,70
E40FL2V/135	50	50	40	3,40
PP30L2V/135	50	50	25	2,70
PP40L2V/135	50	50	29	3,20



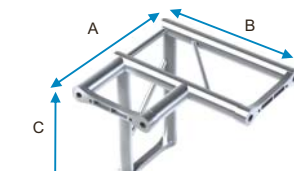
3 way 90° corner left horizontal  
90° 3 vie orizzontale sinistro

Code	A	B	C	KG
E25FL3OS/90	50	50	50	2,50
E30FL3OS/90	50	50	50	3,80
E40FL3OS/90	50	50	50	4,20
PP30L3OS/90	50	50	50	3,82
PP40L3OS/90	50	50	50	4,20



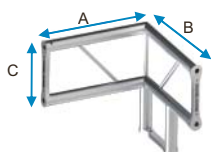
3 way 90° corner right horizontal  
90° 3 vie orizzontale - destro

Code	A	B	C	KG
E25FL3OD/90	50	50	50	2,50
E30FL3OD/90	50	50	50	3,80
E40FL3OD/90	50	50	50	4,30
PP30L3OD/90	50	50	50	4,30
PP40L3OD/90	50	50	50	5,20



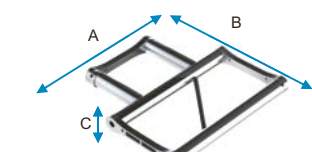
3 way 90° corner left vertical  
90° 3 vie verticale - sinistro

Code	A	B	C	KG
E25FL3VS/90	50	50	50	2,45
E30FL3VS/90	50	50	50	2,45
E40FL3VS/90	50	50	50	3,90
PP30L3VS/90	50	50	50	3,40
PP40L3VS/90	50	50	50	4,90



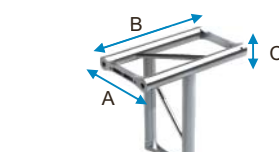
3 way 90° corner right vertical  
90° 3 vie verticale - destro

Code	A	B	C	KG
E25FL3VD/90	50	50	5	2,45
E30FL3VD/90	50	50	5	3,80
E40FL3VD/90	50	50	5	3,90
PP30L3VD/90	50	50	5	3,30
PP40L3VD/90	50	50	5	4,10



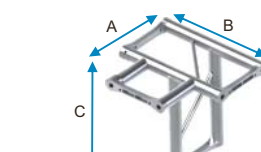
3 way tee corner horizontal  
T 3 vie orizzontale

Code	A	B	C	KG
E25FLT3O/60	50	50	5	1,80
E30FLT3O/60	50	50	5	2,90
E40FLT3O/60	50	50	5	3,30
PP30LT3O/60	50	50	5	1,80
PP40LT3O/60	50	50	5	2,87



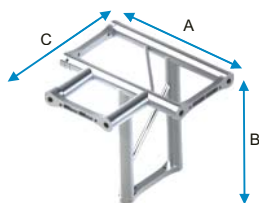
3 way tee corner vertical  
T 3 vie verticale

Code	A	B	C	KG
E25FLT3V	25	50	5	2,10
E30FLT3V	29	50	5	3,40
E40FLT3V	40	50	5	3,80
PP30LT3V	29	50	5	3,80
PP40LT3V	40	50	5	4,80



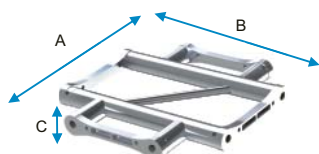
4 way tee corner horizontal  
T 4 vie orizzontale

Code	A	B	C	KG
E25FLT4O	50	50	50	3,00
E30FLT4O	50	50	50	4,20
E40FLT4O	50	50	50	6,20
PP30LT4O	50	50	50	4,80
PP40LT4O	50	50	50	6,20



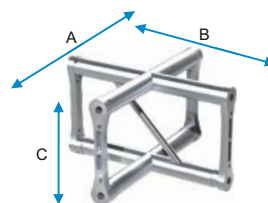
4 way **tee** corner vertical  
*T 4 vie verticale*

Code	A	B	C	KG
E25FLT4V	50	50	50	2.66
E30FLT4V	50	50	50	4.20
E40FLT4V	50	50	50	6.20
PP30LT4V	50	50	50	4.80
PP40LT4V	50	50	50	6.20



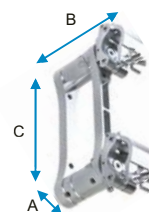
4 way **cross** horizontal  
*Croce 4 vie orizzontale*

Code	A	B	C	KG
E25FLX4O	50	50	5	2.10
E30FLX4O	50	50	5	3.40
E40FLX4O	100	100	5	6.85
PP30LX4O	50	50	5	3.90
PP40LX4O	100	50	5	6.85



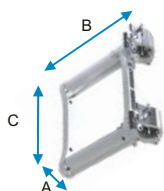
4 way **cross** vertical  
*Croce 4 vie verticale*

Code	A	B	C	KG
E25FLX4V	50	50	25	2.40
E30FLX4V	50	50	29	3.90
E40FLX4V	50	50	40	6.50
PP30LX4V	50	50	29	4.60
PP40LX4V	50	50	40	6.50



Clamp module **short**  
*Raccordo di aggancio corto*

Code	A	B	C	KG
P25AC	5	12,5	25	2.25
P30AC	5	12,5	29	2.45
P40AC	5	12,5	40	3.40
PP30AC	5	12,5	29	2.00
PP40AC	5	12,5	40	3.50



Clamp module **long**  
*Raccordo di aggancio lungo*

Code	A	B	C	KG
P25ACL	5	21	25	2.40
P30ACL	5	21	29	2.60
P40ACL	5	21	40	3.70
PP30ACL	5	21	29	2.20
PP40ACL	5	21	40	3.80

## TERMINALS



Flat terminal length 95,5 cm with conical connector

*Terminale sezione piana lunghezza 95,5 cm con connettore conico*

Code	Side (cm)	Main tubes (mm)	Diagonals (mm)	kg
TP25	25	Ø 50x2	Ø 18x1,5	2,30
TP30	29	Ø 50x2	Ø 18x1,5	3,00
TP40	40	Ø 50x2	Ø 20x2,0	4,00
TPP30	29	Ø 50x3	Ø 30x3,0	4,30
TPP40	40	Ø 50x3	Ø 30x3,0	5,20



Flat terminal length 105 cm with hook (centre hook: 102,5)

*Terminale sezione piana lunghezza 105 mm dotato di gancio a molla (centro Gancio a molla: 102,5 cm)*

Code	Side (cm)	Main tubes (mm)	Diagonals (mm)	kg
TP25GM	25	Ø 50x2	Ø 18x1,5	2,80
TP30GM	29	Ø 50x2	Ø 18x1,5	3,10
TP40GM	40	Ø 50x2	Ø 25x2,0	5,00
TPP30GM	29	Ø 50x3	Ø 30x3,0	3,70
TPP40GM	40	Ø 50x3	Ø 30x3,0	3,90



Flat terminal length 105 cm adjustable 0/20 cm with hook (centre hook: 102,5 cm)

*Terminale regolabile 0-20 cm sezione piana lunghezza 105 cm dotato di gancio a molla (centro Gancio a molla :102,5 cm )*

Code	Side (cm)	Main tubes (mm)	Diagonals (mm)	kg
TP25R	25	Ø 50x2	Ø 18x1,5	3,10
TP30R	29	Ø 50x2	Ø 18x1,5	4,00
TP40R	40	Ø 50x2	Ø 20x2,0	5,00
TPP30R	29	Ø 50x3	Ø 30x3,0	5,10
TPP40R	40	Ø 50x3	Ø 30x3,0	6,10





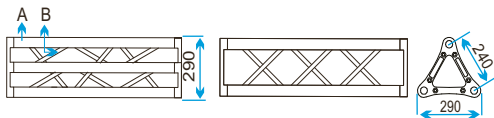
## TRET30



Triangular section aluminium truss with 29 cm long sides  
*Traliccio sezione triangolare lato 29 cm, in alluminio*

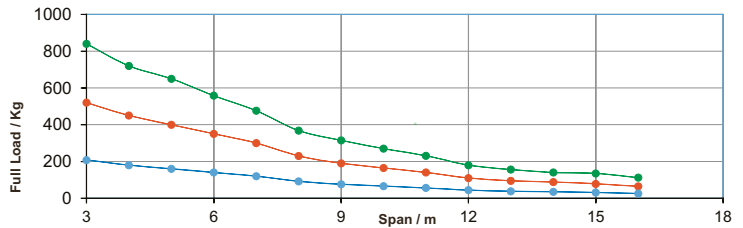
### Double connection system

**KB3** Bolt connection kit for TRET30 series / *Kit di connessione a bulloni*  
**SSF03** Quick connection kit / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x3 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 30x3 mm EN AW 6082 T6

**Ends:**  
 Aluminium casting plate - *Long insert / Security System*  
*Piastra in fusione di alluminio: EN AB-44100*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	65	142	26	78	142	7	112	142
15	78	125	31	94	125	9	135	125
14	88	106	35	106	106	10	140	106
13	95	88	38	114	88	12	156	88
12	110	75	44	132	75	15	180	75
11	140	68	56	168	68	21	231	68
10	165	57	66	198	57	27	270	57
9	190	47	76	228	47	35	315	47
8	230	38	92	276	38	46	368	38
7	300	32	120	360	32	68	476	32
6	350	23	140	420	23	93	558	23
5	400	15	160	480	15	130	650	15
4	450	10	180	540	10	180	720	10
3	520	5	208	624	5	280	840	5

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
TRET30/50	4,90	0,036	50
TRET30/100	7,00	0,073	100
TRET30/150	9,70	0,109	150
TRET30/200	12,40	0,145	200
TRET30/250	15,10	0,181	250
TRET30/300	17,80	0,218	300
TRET30/350	20,50	0,254	350
TRET30/400	23,20	0,290	400

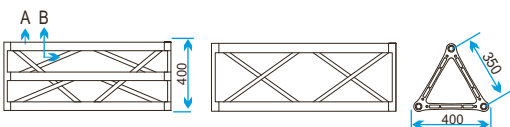
## TRET40



Triangular section aluminium truss with 40 cm long sides  
*Traliccio sezione triangolare lato 40 cm, in alluminio*

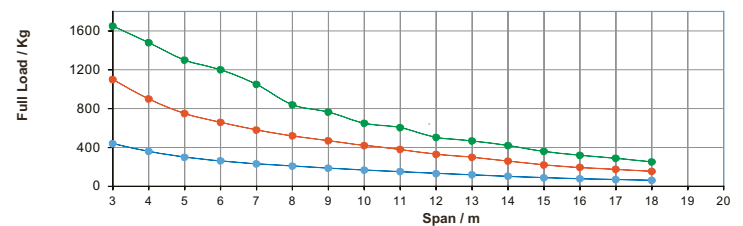
### Double connection system

**KB3** Bolt connection kit for TRET40 series / *Kit di connessione a bulloni*  
**SSF03** Quick connection kit / *Kit di connessione rapida*



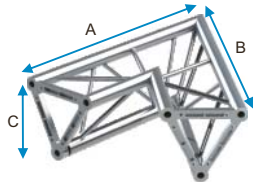
**A** Main tubes / *Paralleli* Ø 50x3 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 30x3 mm EN AW 6082 T6

**Ends:**  
 Aluminium casting plate - *Long insert / Security System*  
*Piastra in fusione di alluminio: EN AB-44100*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	155	125	62	186	125	14	252	124
17	175	114	70	210	114	17	289	112
16	195	101	78	234	101	20	320	99
15	220	91	88	264	91	24	360	89
14	260	82	104	312	82	30	420	81
13	300	71	120	360	71	36	468	72
12	330	59	132	396	59	42	504	62
11	380	52	152	456	52	55	605	53
10	420	42	168	504	42	65	650	43
9	470	35	188	564	35	85	765	35
8	520	27	208	624	27	105	840	26
7	580	22	232	696	22	150	1050	20
6	660	16	264	792	16	200	1200	14
5	750	10	300	900	10	260	1300	9
4	900	7	360	1080	7	370	1400	6
3	1100	3	440	1320	3	550	1650	3

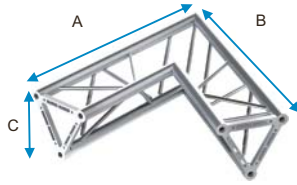
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
TRET40/50	5,70	0,070	50
TRET40/100	8,20	0,140	100
TRET40/150	11,00	0,210	150
TRET40/200	13,60	0,280	200
TRET40/250	16,40	0,350	250
TRET40/300	19,30	0,420	300
TRET40/350	21,90	0,490	350
TRET40/400	24,50	0,560	400



2 way 45° corner  
45° 2 vie

Code	A	B	C	KG
TRE18L2/45	50	50	16	2.3
E25TL2/45	100	100	23	4.9
E30TL2/45	100	100	26	6.9
E40TL2/45	100	100	36	7.7

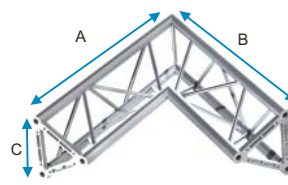
TRET30L2/45	100	100	26	9.2
TRET40L2/45	100	100	36	10.0



2 way 60° corner  
60° 2 vie

Code	A	B	C	KG
TRE18L2/60	25	25	16	2.3
E25TL2/60	100	100	23	4.9
E30TL2/60	100	100	26	6.9
E40TL2/60	100	100	36	7.7

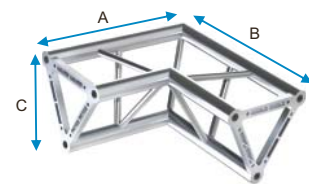
TRET30L2/60	100	100	26	9.2
TRET40L2/60	100	100	36	11.0



2 way 60° corner internal vertex  
60° 2 vie vertice interno

Code	A	B	C	KG
TRE18L2I/60	25	25	16	2.3
E25TL2I/60	100	100	25	3.0
E30TL2I/60	100	100	29	4.5
E40TL2I/60	100	100	40	6.0

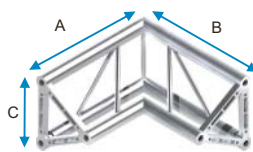
TRET30L2I/60	100	100	26	6.2
TRET40L2I/60	100	100	36	7.4



2 way 90° corner  
90° 2 vie

Code	A	B	C	KG
TRE18L2/90	25	25	16	2.0
E25TL2/90	50	50	23	2.8
E30TL2/90	50	50	26	4.3
E40TL2/90	50	50	36	6.0

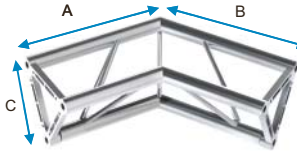
TRET30L2/90	50	50	26	6.2
TRET40L2/90	50	50	36	7.4



2 way 90° corner internal vertex  
90° 2 vie vertice interno

Code	A	B	C	KG
TRE18L2I/90	25	25	16	2.0
E25TL2I/90	50	50	23	3.2
E30TL2I/90	50	50	26	4.9
E40TL2I/90	50	50	36	6.7

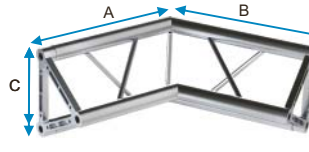
TRET30L2I/90	50	50	26	5.6
TRET40L2I/90	50	50	36	7.4



2 way 120° corner  
120° 2 vie

Code	A	B	C	KG
TRE18L2/120	25	25	16	2.0
E25TL2/120	50	50	23	3.0
E30TL2/120	50	50	26	4.6
E40TL2/120	50	50	36	6.1

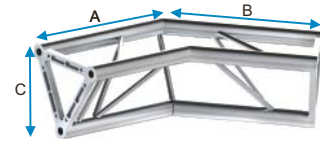
TRET30L2/120	50	50	26	6.2
TRET40L2/120	50	50	36	7.4



2 way 120° corner internal vertex  
120° 2 vie vertice interno

Code	A	B	C	KG
TRE18L2I/120	25	25	18	2.3
E25TL2I/120	50	50	23	3.0
E30TL2I/120	50	50	26	4.6
E40TL2I/120	50	50	36	7.7

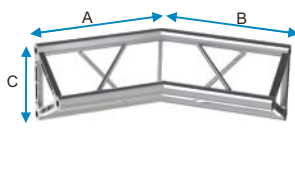
TRET30L2I/120	50	50	26	6.2
TRET40L2I/120	50	50	36	8.0



2 way 135° corner  
135° 2 vie

Code	A	B	C	KG
TRE18L2/135	25	25	16	2.0
E25TL2/135	50	50	23	3.1
E30TL2/135	50	50	26	4.9
E40TL2/135	50	50	36	6.6

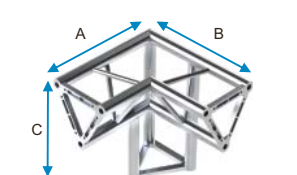
TRET30L2/135	50	50	26	6.2
TRET40L2/135	50	50	36	7.4



2 way 135° corner internal vertex  
135° 2 vie vertice interno

Code	A	B	C	KG
TRE18L2I/135	25	25	18	2.0
E25TL2I/135	50	50	23	3.0
E30TL2I/135	50	50	26	4.5
E40TL2I/135	50	50	36	6.0

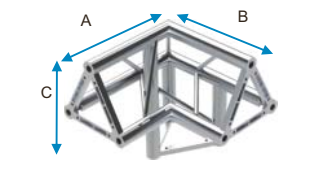
TRET30L2I/135	50	50	26	6.2
TRET40L2I/135	50	50	36	7.4



3 way 90° corner left  
90° 3 vie sinistro

Code	A	B	C	KG
TRE18L3S/90	25	25	25	2.5
E25TL3S/90	50	50	50	4.2
E30TL3S/90	50	50	50	6.2
E40TL3S/90	50	50	50	7.8

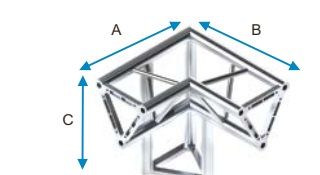
TRET30L3S/90	50	50	50	8.3
TRET40L3S/90	50	50	50	10.5



3 way 90° corner left vertex up  
90° 3 vie sinistro vertice in alto

Code	A	B	C	KG
TRE18L3SH/90	25	25	25	2.3
E25TL3SH/90	50	50	50	4.1
E30TL3SH/90	50	50	50	6.3
E40TL3SH/90	50	50	50	7.8

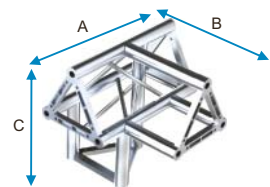
TRET30L3SH/90	50	50	50	8.3
TRET40L3SH/90	50	50	50	10.5



3 way 90° corner right  
90° 3 vie destro

Code	A	B	C	KG
TRE18L3D/90	25	25	25	2.3
E25TL3D/90	50	50	50	4.2
E30TL3D/90	50	50	50	6.4
E40TL3D/90	50	50	50	7.7

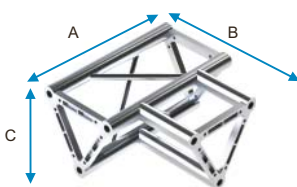
TRET30L3D/90	50	50	50	8.3
TRET40L3D/90	50	50	50	10.0



3 way 90° corner right vertex up  
90° 3 vie destro vertice in alto

Code	A	B	C	KG
TRE18L3DH/90	25	25	25	2.3
E25TL3DH/90	50	50	50	4.1
E30TL3DH/90	50	50	50	6.3
E40TL3DH/90	50	50	50	7.8

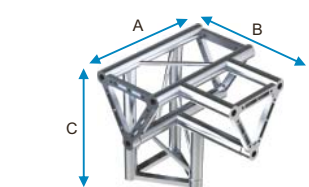
TRET30L3DH/90	50	50	50	7.5
TRET40L3DH/90	50	50	50	8.8



3 way tee  
T 3 vie

Code	A	B	C	KG
TRE18LT3	25	25	16	2.3
E25LT3	50	50	23	2.8
E30LT3	50	50	26	5.3
E40LT3	50	50	36	7.3

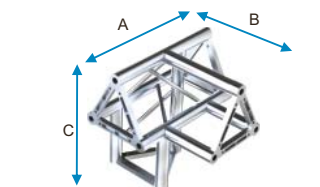
TRET30LT3	50	50	26	6.3
TRET40LT3	50	50	36	10.0



4 way tee  
T 4 vie

Code	A	B	C	KG
TRE18LT4	25	25	25	2.3
E25LT4	50	50	50	2.8
E30LT4	50	50	50	5.3
E40LT4	50	50	50	7.3

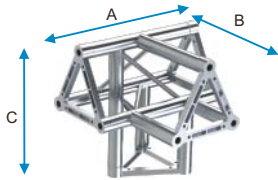
TRET30LT4	50	50	50	9.5
TRET40LT4	50	50	50	11.8



4 way tee right vertex up  
T 4 vie destro vertice in alto

Code	A	B	C	KG
TRE18LT4DH	25	25	25	2.3
E25LT4DH	50	50	50	4.8
E30LT4DH	50	50	50	6.2
E40LT4DH	50	50	50	12.0

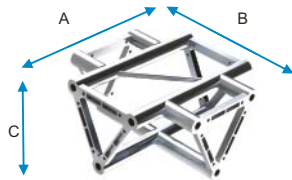
TRET30LT4DH	50	50	50	8.2
TRET40LT4DH	50	50	50	11.5



4 way **tee** left vertex up  
T 4 vie sinistro vertice in alto

Code	A	B	C	KG
TRE18LT4SH	25	25	25	2.3
E25TLT4SH	50	50	50	4.8
E30TLT4SH	50	50	50	7.8
E40TLT4SH	100	50	50	11.2

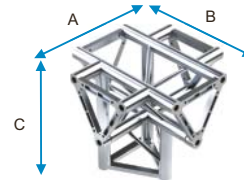
TRET30LT4SH	50	50	50	8.2
TRET40LT4SH	100	50	50	11.5



4 way **cross**  
Croce 4 vie

Code	A	B	C	KG
TRE18LX4	25	25	16	2.3
E25TLX4	50	50	23	4.0
E30TLX4	50	50	26	6.2
E40TLX4	50	50	36	11.8

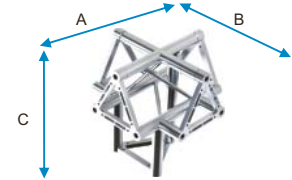
TRET30LX4	50	50	26	7.5
TRET40LX4	50	50	36	11.8



5 way **cross**  
Croce 5 vie

Code	A	B	C	KG
TRE18LX5	25	25	25	2.7
E25TLX5	50	50	50	5.4
E30TLX5	50	50	50	8.4
E40TLX5	100	100	50	11.0

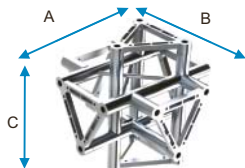
TRET30LX5	50	50	50	12.0
TRET40LX5	100	100	50	14.5



5 way **cross** vertex up  
Croce 5 vie vertice in alto

Code	A	B	C	KG
TRE18LX5H	25	25	25	2.3
E25TLX5H	50	50	50	5.4
E30TLX5H	50	50	50	8.4
E40TLX5H	100	100	50	11.0

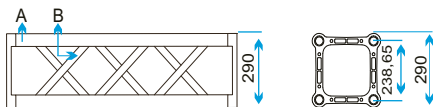
TRET30LX5H	50	50	50	12.0
TRET40LX5H	100	100	50	14.5



6 way **cross**  
Croce 6 vie

Code	A	B	C	KG
TRE18LX6	25	25	25	2.3
E25TLX6	50	50	50	6.5
E30TLX6	50	50	50	9.2
E40TLX6	100	100	100	12.6

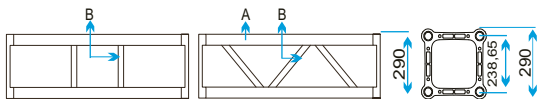
TRET30LX6	50	50	50	13.5
TRET40LX6	100	100	50	15.6



A Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 20x2 mm EN AW 6082 T6

Ends: Aluminium casting plate - Long insert / Security System  
 Piastra in fusione di alluminio: EN AC-42200 T6

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
S30/10	3,10	0,008	10
S30/21	3,40	0,018	21
S30/25	3,55	0,021	25
S30/50	5,30	0,042	50
S30/100	8,20	0,084	100
S30/150	11,60	0,126	150
S30/200	14,10	0,168	200
S30/250	17,20	0,252	250
S30/300	20,30	0,252	300
S30/350	23,10	0,294	350
S30/400	26,50	0,336	400



A Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 30x3 mm EN AW 6082 T6

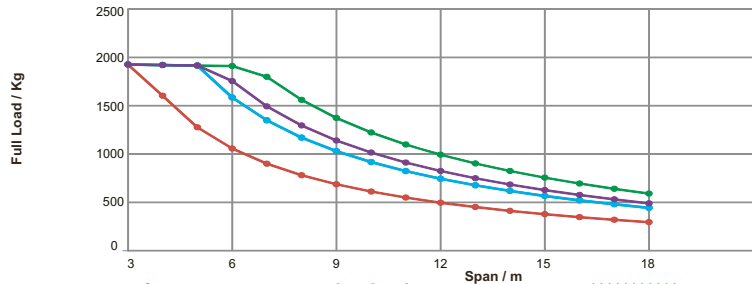
Ends: Aluminium casting plate - Long insert / Security System  
 Piastra in fusione di alluminio: EN AC-42200 T6

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
SS30/10	3,40	0,008	10
SS30/25	3,92	0,021	25
SS30/50	5,70	0,042	50
SS30/100	8,82	0,084	100
SS30/150	12,30	0,126	150
SS30/200	15,10	0,168	200
SS30/250	18,23	0,210	250
SS30/300	21,02	0,252	300
SS30/350	24,50	0,294	350
SS30/400	27,99	0,336	400

## S30

Square section aluminium truss with 29 cm long sides  
 Traliccio sezione quadrata lato 29 cm, in alluminio

Double connection system  
 KB8 Bolt connection kit for S30 series / Kit di connessione a bulloni  
 SSF04 Quick connection kit / Kit di connessione rapida

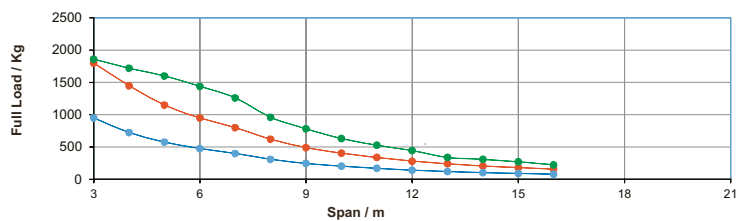


Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	295	251	148	443	288	33	590	300
17	320	223	160	480	256	38	640	267
16	347	196	174	521	227	43	694	237
15	378	172	189	566	199	50	755	208
14	412	149	206	618	173	59	824	181
13	451	128	226	677	149	69	902	156
12	496	109	248	744	127	83	992	133
11	549	91	274	823	107	100	1097	112
10	611	75	306	917	88	122	1222	93
9	686	61	343	1030	71	153	1373	75
8	780	48	390	1170	56	195	1560	59
7	899	37	449	1348	43	257	1798	45
6	1056	27	528	1585	32	318	1911	30
5	1276	19	638	1913	22	383	1916	17
4	1603	12	640	1921	11	480	1921	9
3	1926	6	642	1926	5	642	1926	4

## SS30

Square section aluminium truss with 29 cm long sides  
 Traliccio sezione quadrata lato 29 cm, in alluminio

Double connection system  
 KB8 Bolt connection kit for SS30 series / Kit di connessione a bulloni  
 SSF04 Quick connection kit / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	155	107	78	233	107	14	224	99
15	180	97	90	270	97	18	270	92
14	205	84	103	308	84	22	308	77
13	240	76	120	360	76	26	338	72
12	280	67	140	420	67	37	444	65
11	340	60	170	510	60	48	528	59
10	405	52	203	608	52	63	630	52
9	490	46	245	735	46	87	783	45
8	620	40	310	930	40	120	960	38
7	800	34	400	1200	34	180	1260	33
6	950	29	475	1425	29	240	1440	28
5	1150	23	575	1725	23	320	1600	17
4	1450	12	725	2175	12	430	1720	13
3	1800	6	950	2850	6	620	1860	8





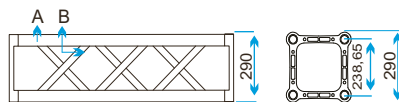
## SS30A



Square section aluminium truss with 29 cm long sides  
*Traliccio sezione quadrata lato 29 cm, in alluminio*

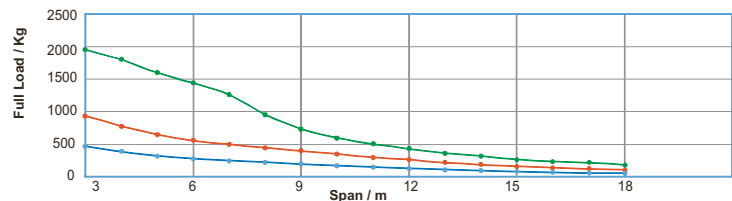
### Double connection system

**KB8** Bolt connection kit for SS30A series / *Kit di connessione a bulloni*  
**SSF04** Quick connection kit / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x3 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 30x3 mm EN AW 6082 T6

**Ends:**  
 Aluminium casting plate Long insert / *Security System*  
 Piastra in fusione di alluminio: EN AC-42200 T6



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	110	114	55	165	114	10	180	112
17	125	102	63	188	102	13	221	110
16	142	92	71	213	92	15	240	96
15	165	84	83	248	84	18	270	86
14	190	75	95	285	75	23	322	79
13	220	67	110	330	68	28	364	70
12	265	61	133	398	61	36	432	62
11	300	52	150	450	53	46	506	55
10	350	45	175	525	45	60	600	48
9	400	36	200	600	36	82	738	43
8	450	28	225	675	28	120	960	38
7	500	21	250	750	21	180	1260	33
6	560	15	280	840	15	240	1440	22
5	650	10	325	975	10	320	1600	15
4	780	6	390	1170	6	450	1800	9
3	940	3	470	1410	3	650	1950	4

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
SS30A/100	8,82	0,08	100
SS30A/150	12,30	0,13	150
SS30A/200	15,10	0,17	200
SS30A/250	18,23	0,21	250
SS30A/300	21,02	0,25	300
SS30A/350	24,50	0,29	350
SS30A/400	27,99	0,34	400

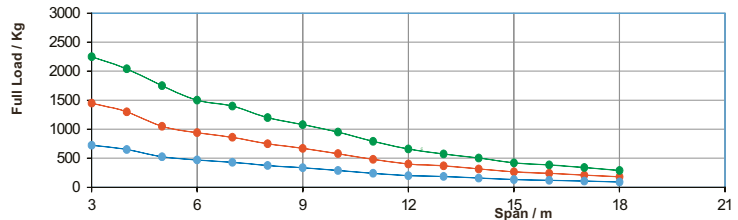
## SS40



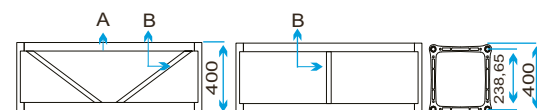
Square section aluminium truss with 40 cm long sides heavy duty  
*Traliccio sezione quadrata lato 40 cm, in alluminio - Impieghi gravosi*

### Double connection system

**KB8** Bolt connection kit for SS40 series / *Kit di connessione a bulloni*  
**SSF04** Quick connection kit / *Kit di connessione rapida*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	255	114	128	383	114,00	20	360	105
17	285	102	143	428	102,00	27	459	103
16	320	92	160	480	92,00	32	512	92
15	370	84	185	555	84,00	40	600	89
14	420	75	210	630	75,00	50	700	78
13	490	68	245	735	68,00	61	793	69
12	570	61	285	855	61,00	77	924	61
11	660	53	330	990	53,00	100	1100	55
10	748	45	374	1122	45,00	132	1320	49
9	830	36	415	1245	36,00	180	1620	43
8	927	28	464	1391	28,00	250	2000	37
7	1040	21	520	1560	21,00	350	2450	32
6	1190	15	595	1785	15,00	460	2760	22
5	1370	10	685	2055	10,00	650	3250	15
4	1610	6	805	2415	6,00	950	3800	9
3	1940	3	970	2910	3,00	1440	4320	4



**A** Main tubes / *Paralleli* Ø 50x3 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 30x3 mm EN AW 6082 T6

**Ends:**  
 Aluminium casting plate - Long insert / *Security System*  
 Piastra in fusione di alluminio: EN AB-44100

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
SS40/50	8,97	0,08	50
SS40/100	9,48	0,16	100
SS40/150	15,90	0,24	150
SS40/200	19,36	0,32	200
SS40/250	22,83	0,40	250
SS40/300	26,30	0,48	300
SS40/350	29,76	0,56	350
SS40/400	33,23	0,64	400



# SS40A

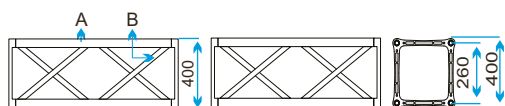
Square section aluminium truss with 40 cm long sides - heavy duty

Traliccio *antitorsivo* sezione quadrata lato 40 cm, in alluminio

**Double connection system**

**KB8** Bolt connection kit for S30 series / Kit di connessione a bulloni

**SSF04** Quick connection kit / Kit di connessione rapida



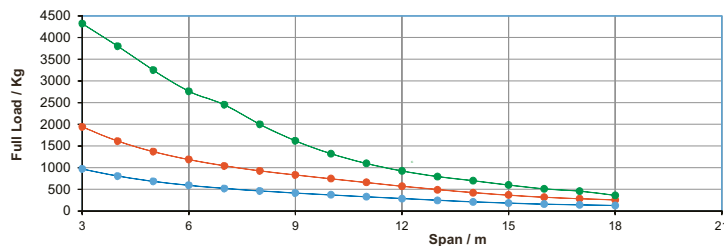
**A** Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6

**B** Diagonals / Trasversali Ø 30x3 mm EN AW 6082 T6

**Ends:**

Aluminium casting plate - Long insert / **Security System**

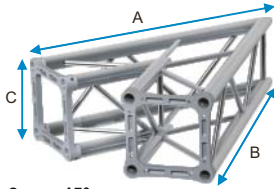
Piastra in fusione di alluminio: **EN AB-44100**



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	364	167	191	573	196,00	44	792	159
17	397	147	209	627	174,00	50	850	143
16	433	129	220	660	153,00	60	960	134
15	472	112	240	720	134,00	70	1050	121
14	516	96	260	780	116,00	82	1148	108
13	563	81	280	840	99,00	95	1235	93
12	617	68	320	960	84,00	110	1320	78
11	679	56	350	1050	70,00	130	1430	65
10	748	45	390	1170	57,00	160	1600	55
9	830	36	440	1320	46,00	200	1800	50
8	927	28	500	1500	36,00	250	2000	42
7	1040	21	560	1680	26,00	340	2380	32
6	1190	15	620	1860	18,00	460	2760	22
5	1370	10	690	2070	12,00	650	3250	13
4	1610	6	780	2340	7,00	950	3800	9
3	1940	3	900	2700	3,00	1440	4320	4

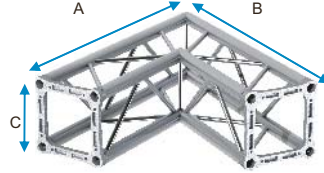
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
SS40A/100	12,31	0,16	100
SS40A/150	16,68	0,24	150
SS40A/200	19,77	0,32	200
SS40A/250	22,50	0,40	250
SS40A/300	26,50	0,48	300
SS40A/300	29,50	0,56	350
SS40A/400	33,00	0,64	400





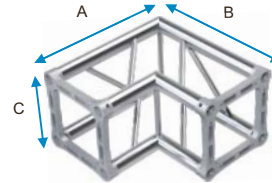
2 way 45° corner  
45° 2 vie

Code	A	B	C	KG
S18L2/45	50	50	18	3.3
E25QL2/45	100	100	25	6.8
E30QL2/45	100	100	29	8.5
E40QL2/45	100	100	40	11.0
S30L2/45	100	100	29	8.5
SS30L2/45	100	100	29	11.0
SS40L2/45	100	100	40	17.0



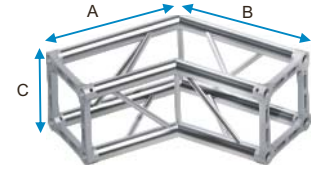
2 way 60° corner  
60° 2 vie

Code	A	B	C	KG
S18L2/60	50	50	18	4.5
E25QL2/60	100	100	25	7.9
E30QL2/60	100	100	29	8.6
E40QL2/60	100	100	40	10.5
S30L2/60	100	100	29	9.2
SS30L2/60	100	100	29	11.0
SS40L2/60	100	100	40	17.0



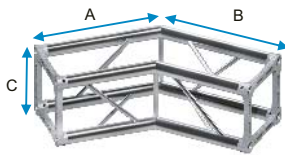
2 way 90° corner  
90° 2 vie

Code	A	B	C	KG
S18L2/90	25	25	18	2.5
E25QL2/90	50	50	25	5.1
E30QL2/90	50	50	29	5.7
E40QL2/90	50	50	40	7.8
S30L2/90	50	50	29	9.2
SS30L2/90	50	50	29	12.0
SS40L2/90	50	50	40	17.0



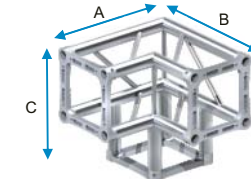
2 way 120° corner  
120° 2 vie

Code	A	B	C	KG
S18L2/120	25	25	18	2.0
E25QL2/120	50	50	25	5.2
E30QL2/120	50	50	29	5.7
E40QL2/120	50	50	40	7.8
S30L2/120	50	50	29	9.2
SS30L2/120	50	50	29	7.7
SS40L2/120	50	50	40	11.0



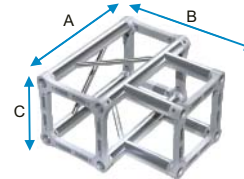
2 way 135° corner  
135° 2 vie

Code	A	B	C	KG
S18L2/135	25	25	18	2.4
E25QL2/135	50	50	25	5.5
E30QL2/135	50	50	29	6.1
E40QL2/135	50	50	40	7.9
S30L2/135	50	50	29	6.3
SS30L2/135	50	50	29	8.1
SS40L2/135	50	50	40	11.0



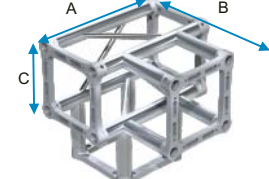
3 way 90° corner  
90° 3 vie

Code	A	B	C	KG
S18L3	25	25	25	3.0
E25QL3	50	50	50	6.2
E30QL3	50	50	50	7.5
E40QL3	50	50	50	9.8
S30L3	50	50	50	7.5
SS30L3	50	50	50	9.8
SS40L3	50	50	50	14.0



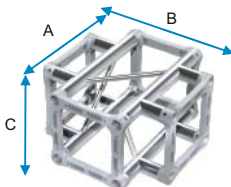
3 way tee  
T 3 vie

Code	A	B	C	KG
S18LT3	25	25	18	3.0
E25QLT3	50	50	25	5.4
E30QLT3	50	50	29	6.5
E40QLT3	100	50	40	9.2
S30LT3	50	50	29	6.6
SS30LT3	50	50	29	8.5
SS40LT3	100	50	40	16.0



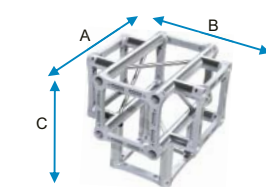
4 way tee  
T 4 vie

Code	A	B	C	KG
S18LT4	25	25	18	3.5
E25QLT4	50	50	25	7.2
E30QLT4	50	50	29	8.5
E40QLT4	50	50	40	11.0
S30LT4	50	50	29	8.6
SS30LT4	50	50	29	12.0
SS40LT4	50	50	40	11.0



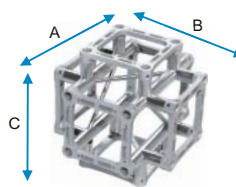
4 way cross  
Croce 4 vie

Code	A	B	C	KG
S18LX4	25	25	18	3.5
E25QLX4	50	50	25	6.6
E30QLX4	50	50	29	7.8
E40QLX4	100	100	40	11.2
S30LX4	50	50	29	7.9
SS30LX4	50	50	29	11.0
SS40LX4	100	100	40	21.0



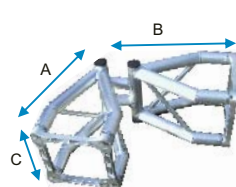
5 way cross  
Croce 5 vie

Code	A	B	C	KG
S18LX5	25	25	25	4.0
E25QLX5	50	50	50	8.0
E30QLX5	50	50	50	9.8
E40QLX5	100	100	50	12.8
S30LX5	50	50	50	9.9
SS30LX5	50	50	50	14.0
SS40LX5	100	100	50	24.0



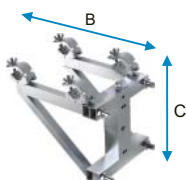
6 way cross  
Croce 6 vie

Code	A	B	C	KG
S18LX6	25	25	25	5.0
S25LX6	50	50	50	9.0
S30LX6	50	50	50	11.0
S40LX6	100	100	50	13.2
S30LX6	50	50	50	11.0
SS30LX6	50	50	50	15.0
SS40LX6	100	100	50	29.0



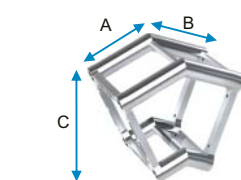
Adjustable 2 way corner  
Angolo variabile a due vie

Code	A	B	C	KG
SOS25	50	50	25	10.5
SOS30	50	50	29	12.0
SOS40	100	100	40	14.1



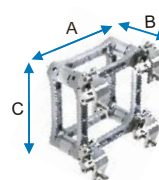
Inclination corner for roofing system  
Angolo di inclinazione per tetto

Code	B	C	KG
A30/AS01	50	29	17.5
A40/AS01	60	40	22.0



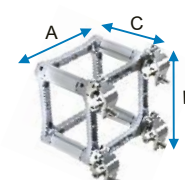
2 way 135° corner for DELTA Dado box  
Angolo a 135° 2 vie per Delta Dado

Code	A	B	C	KG
LD25	19	19	25	3.70
LD30	21	21	29	4.70
LD40	25	25	40	5.50



Clamp module short  
Modulo di aggancio corto

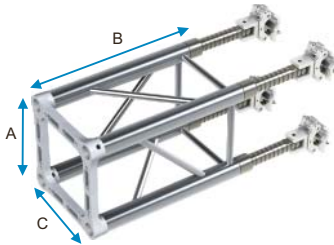
Code	A	B	C	KG
S25AC	25	12,50	25	6.0
S30AC	29	12,50	29	7.8
S40AC	40	12,50	40	9.0



Clamp module long  
Modulo di aggancio lungo

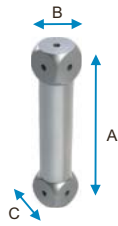
Code	A	B	C	KG
S25ACL	25	21	25	6.20
S30ACL	29	21	29	8.20
S40ACL	40	21	40	9.40





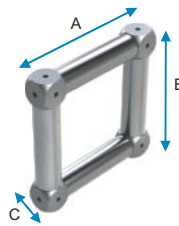
Clamp module adjustable  
0/20 cm with hook  
*Modulo di aggancio versione  
regolabile*

Code	A	B	C	KG
S25ACLR	25	30	25	8.50
S30ACLR	29	30	29	10.50
S40ACLR	40	30	40	11.70



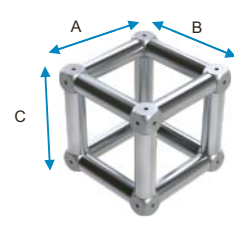
**DELTADado2**  
2 - 4 way box corner (2 nodules)  
*Raccordo quadro configurabile  
da 2 a 4 vie (2 nodi)*

Code	A	B	C	KG
D25-2	25	5	5	1.13
D30-2	29	5	5	1.20
D40-2	40	5	5	1.45



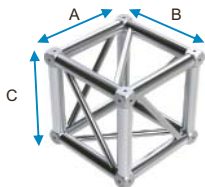
**DELTADado4**  
2 - 6 way box corner (4 nodules)  
*Raccordo quadro configurabile  
da 2 a 6 vie (4 nodi)*

Code	A	B	C	KG
D25-4	25	25	5	3.10
D30-4	29	29	5	3.40
D40-4	40	40	5	4.49



**DELTADado8**  
2 - 6 way box corner (8 nodules)  
*Raccordo quadro configurabile  
da 2 a 6 vie (8 nodi)*

Code	A	B	C	KG
D25-8	25	25	25	6.89
D30-8	29	29	29	8.88



**DELTADado8**  
2 - 6 way box corner (8 nodules)  
*Raccordo quadro configurabile  
da 2 a 6 vie (8 nodi)*

Code	A	B	C	KG
D40-8	40	40	40	12.99



Kit of half spigots with screw  
for **DELTADado**  
*Kit di mezzo spinotto con vite  
per DELTADado*

Code	Dimensions	KG
KD2	2 half spigots, 2 bolts, 2pins, 2 safety springs	
KD4	4 half spigots, 4 bolts, 4pins, 4 safety springs	

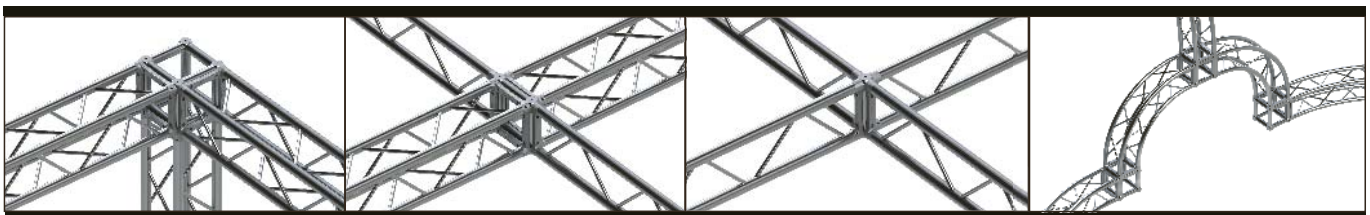
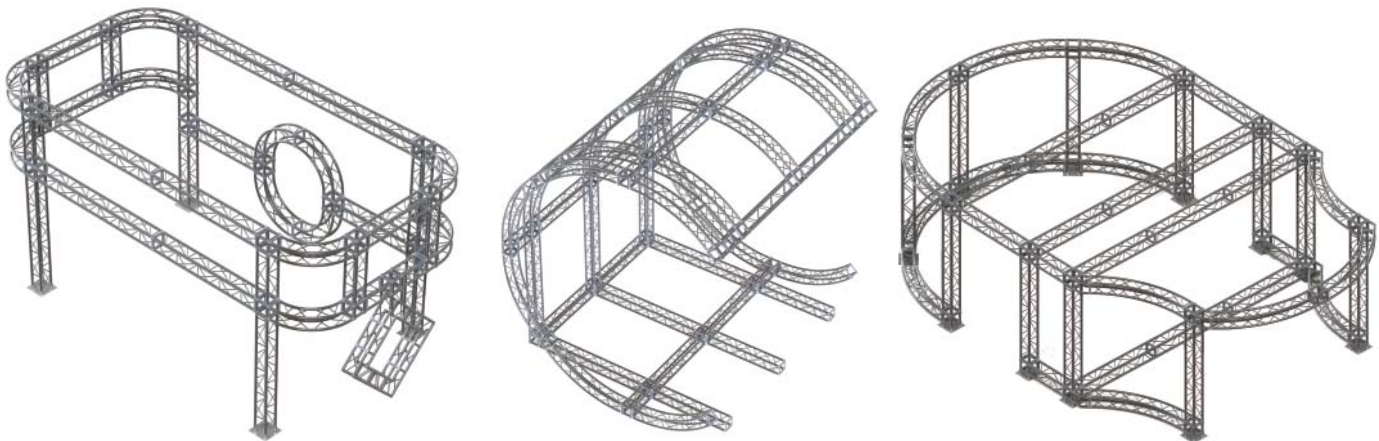


Assembly tool for **DELTADado**  
box spigot  
*Dima di montaggio per  
DELTADado*

Code	Dimensions	KG
XKD25	250x250x3 mm	0.85
XKD30	300x300x3 mm	1.03
XKD40	400x400x3 mm	1.60

STRUCTURES AND CUSTOM SOLUTIONS

**Creativity and solutions for better events.**  
*Creatività e soluzioni per gli eventi migliori*



DELTADado







*E*festo  
PRODUCTION





## Conical pin with rounded-head



### CONICAL pin

*The enduring fascination of rounded forms.*

The quick connection system has longer life because it has a conical pin.

Efesto's conical pin boasts decidedly rounded forms.

This design gives at pin a lovely form and a enduring performance when it works as connection.



**SQ**  
Conical pin lenght 80 mm  
with rounded- head.  
Galvanized or stainless steel.



**S**  
Conical pin lenght 90 mm  
with rounded- head.  
Galvanized or stainless steel.



Quick connection kit  
*Kit di connessione rapida*

- SSF02** Flat section: 2 spigots, 4 pins, 4 safety springs
- SSF03** Trinagular section: 3 spigots, 6 pins, 6 safety springs
- SSF04** Square section: 4 spigots, 8 pins, 8 safety springs

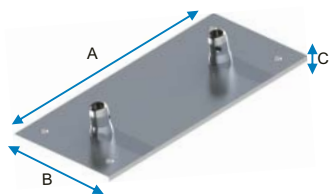


**M02**  
**Steel half spigot kit**  
*Kit di connessione mezzo  
spinotto in acciaio*



Bolt connection kit  
*Kit connessione a bulloni*

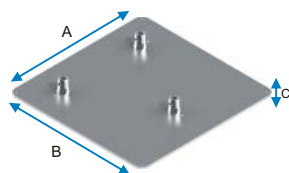
- KB3** Triangular section TRE18
- KB4** Square section S18
- KB6** Triangular section TRE25/TRE30
- KB8** Square section 30/40



Steel floor plate for flat section trusses

*Piastra, per traliccio piano, in acciaio zincato*

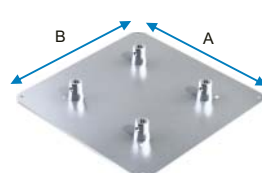
Code	A	B	C	KG
PQA/P25	40	20	5,2	5,3
PQA/P30	40	20	5,2	5,3
PQA/P40	40	20	5,2	5,3



Steel floor plate for triangular section trusses

*Piastra, per traliccio triangolare, in acciaio zincato*

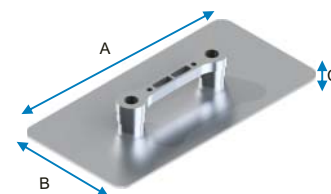
Code	A	B	C	KG
PQA40/TRE25	40	40	5,2	10,4
PQA40/TRE30	40	40	5,2	10,4
PQA50/TRE40	50	50	5,2	15,0



Steel floor plate for square section trusses

*Piastra, per traliccio quadro, in acciaio zincato*

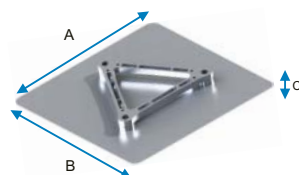
Code	A	B	C	KG
PQA40/S25	40	40	5,2	10,5
PQA40/S30	40	40	5,2	10,5
PQA50/S40	50	50	5,2	15,6



Aluminium floor plate for flat section trusses

*Piastra, per traliccio piano, in alluminio*

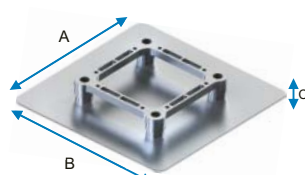
Code	A	B	C	KG
P25FP	50	25	5,6	2,0
P30FP	50	25	5,6	2,4
P40FP	50	25	5,6	2,8



Aluminium floor plate for triangular section trusses

*Piastra, per traliccio triangolare, in alluminio*

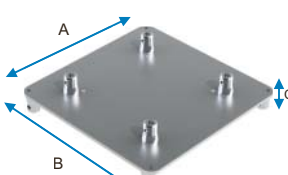
Code	A	B	C	KG
TRE25FP	50	50	5,6	4,0
TRE30FP	50	50	5,6	4,8
TRE40FP	50	50	5,6	6,0



Aluminium floor plate for square section trusses

*Piastra, per traliccio quadro, in alluminio*

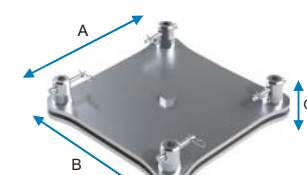
Code	A	B	C	KG
S25FP	40	40	5,2	5,00
S30FP	40	40	5,2	5,80
S40FP	50	50	5,2	6,20



Steel adaptor double compatibility S30/S40

*Adattatore doppia compatibilità S30/S40 in acciaio*

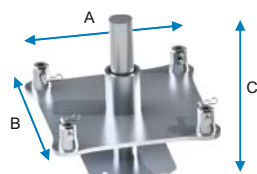
Code	A	B	C	KG
PAD	40	40	9,6	11,1



Steel adaptor with half connectors, 360° rotation

*Adattatore con mezzi spinotti, rotazione 360°, in acciaio*

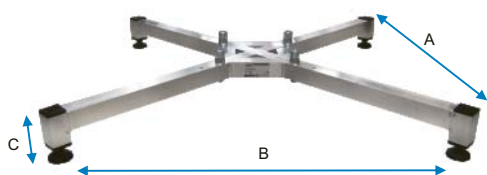
Code	A	B	C	KG
PQA30R360	30	30	8,6	14,50
PQA40R360	40	40	8,6	15,50



Steel floor plate adjustable

*Piastra regolabile in acciaio*

Code	A	B	C	KG
PQA25M35	30	30	35	6,8
PQA30M35	30	30	35	7,8
PQA40M35	40	40	35	8,8



Aluminium plate with stabilizers feet

suitable for 30/40 cm truss series

*Piastra con base stabilizzante compatibile con traliccio con lato 30 / 40 cm*

Code	A	B	C	KG
S25PS	107,9	107,9	18	7,5
S30PS	107,9	107,9	18	8,2
S40PS	107,9	107,9	18	8,5



Open

Close



### RXA

Aluminium mixer support. Ideal for mixer desk. Rocking lifting system. Practical, lightweight, space-saving.

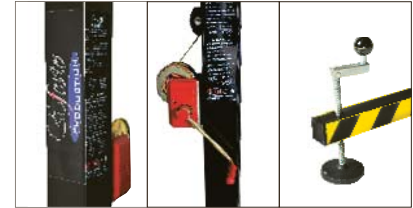
Easy to transport.

*Reggi-mixer in alluminio. Ideale come banco mixer. Sistema di sollevamento a dondolo. Pratico, leggero e dagli ingombri ridotti. Agevole al trasporto.*





L4150 L4220 L5220



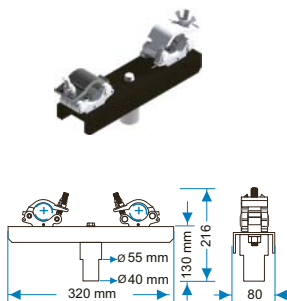
Telescopic lifters for event  
*Elevatore telescopico per eventi*

- Black-plated steel tower built with different sections mast
- Manual winch with automatic brake
- Automatic locking safety system
- 4 swivel wheels Ø 100 mm on the base for easy moving
- 4 detachable stabiliser legs and height adjustable for better positioning on different kind of surfaces
- Level device to help maintaining vertical position during installation and adjustment

- *Torre in acciaio verniciato nero, strutturato in diverse sezioni*
- *Argano manuale con freno automatico*
- *Dispositivo automatico di blocco-sicurezza*
- *4 ruote girevoli Ø 100 mm alla base per un facile spostamento*
- *4 stabilizzatori smontabili e regolabili in altezza per un migliore posizionamento su diversi tipi di superfici*
- *Livella per aiutare il mantenimento della posizione verticale durante l'installazione e la regolazione*

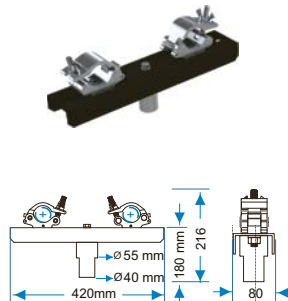
TECHNICAL DATA	L4150	L4220	L5220
Maximum tower height	520 cm	520 cm	650 cm
Base module height <i>(excluding support)</i>	178 cm	178 cm	182 cm
Base Dimensions <i>(folded)</i>	46x46 cm		
Base Dimensions <i>(open)</i>	190x190 cm		
Inner frame diameter	40 mm	55 mm	44 mm
Lifting system	manual winch		
Maximum lifting load capacity	150kg	220 kg	220 kg
Volume	0,38 m³	0,39 m³	0,41m³
Weight	75 kg	90 kg	92 kg

Accessories



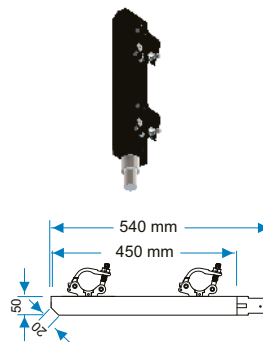
ST/02

Truss support with spigot, double diameter  
*suitable for 20-30cm truss series*  
**Weight: 2,50 kg - SWL: 450Kg**



ST/03

Truss support with spigot, double diameter  
*suitable for 30-40 cm truss series*  
**Weight: 3,10 kg SWL: 450Kg**

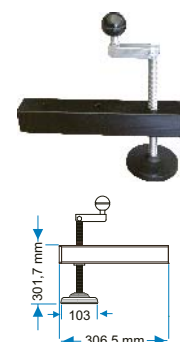


ST/02V

Vertical truss adaptor  
*suitable for 30-40 cm truss series*  
**Weight : 3,80 kg - SWL: 500Kg**

ST/03V

Vertical truss adaptor  
*suitable for 30-40 cm truss series*  
**Weight : 3,90kg - SWL: 500Kg**



PR-LIFT 300

Steel Foot adjustment black finish  
*Dimensions: 307x302x103 mm*  
**Weight : 1,50 kg**



**Tower30**

Aluminium **Tower30** designed with **trusses support device**  
 Maximum height **650 cm** - Maximum load **700 kg**

- Aluminium base module with 4 stabilizers folding and removable
- Manual winch system with maximum lifting load capacity 900 kg
- 4 Adjustable bracings and stabilizers
- Square section aluminium truss twist-resistant version with 29 cm long sides - **SUPERiòR** series
- 2- 4 way aluminium sleeve block with *trusses support device*, sliding on 16 wheels, customizable for accommodate either square truss of 29cm or 40cm side
- Top with pulleys for steel rope

La **Torre30**, interamente in alluminio, con il **dispositivo di appoggio trave** al carrello  
 Altezza massima **650 cm** - Portata massima **700 kg**

- Modulo base in alluminio dotato distabilizzatori ripiegabili ed estraibili
- Verricello manuale con portata 900 kg
- 4 bracci di regolazione e stabilizzazione
- Traliccio quadrato antitorsivo lato 29 cm - **SUPERiòR** series
- Carrello in alluminio con **dispositivo di appoggio trave**, scorrevole su 16 ruote, personalizzabile con 2 o 4 attacchi da 29 o 40cm
- Top con pulegge per scorrimento fune.



TT30 Top TORRE30

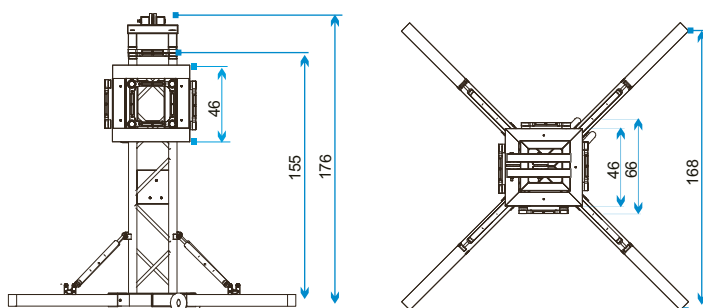


2- 4 way aluminium sleeve block

Code	Way	Code	Way
CX302S30	2 <b>S30</b>	CX302S40	2 <b>S40</b>
CX303S30	3 <b>S30</b>	CX303S40	3 <b>S40</b>
CX304S30	4 <b>S30</b>	CX304S40	4 <b>S40</b>
CX302S302S40	2 <b>S30 and 2 S40</b>		



**BT30** Aluminium base module with 4 stabilizers folding and removable



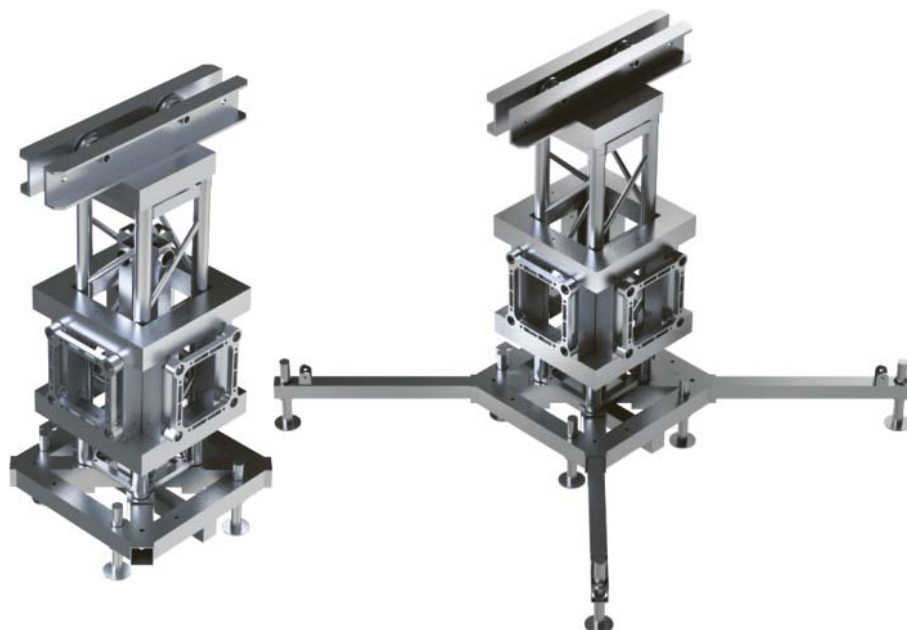
**T30**

**TECHNICAL DATA**

<b>Base module truss</b>	<b>S30/144 heavy duty</b>
<b>Maximum tower height</b>	650 cm
<b>Base module height (excluding support)</b>	155 cm
<b>Compatible trusses</b>	S30 SS30 SS30A S40 SS40 SS40A
<b>Base Dimensions (folded)</b>	66x66 cm
<b>Base Dimensions (open)</b>	168x168cm
<b>Lifting system</b>	Manual winch
<b>Maximum lifting load capacity</b>	<b>700 kg</b>
<b>Volume</b>	0,60 m <sup>3</sup>
<b>Weight</b>	77 kg



PT30



**POLI30 tower**

Poli30 tower, with **trusses support device**, utilizes SS30A trusses  
Maximum tower height **700 cm** - Maximum load **1800 kg**

- Base module, made in black painted steel, with anchoring at the base for manual or electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section heavy duty aluminium truss twist-resistant version with 29cm long sides - **SUPERiòR** series
- 2- 4 way aluminium sleeve block with trusses support device, sliding on 16 wheels, customizable for accommodate either square truss of 29cm or 40cm side
- Top designed for chain feed

The tower works correct way with 4 stabilizers-bracings.

*La Torre Poli30 , con dispositivo di appoggio trave al carrello, utilizza il traliccio SS30A  
Altezza massima 700 cm - Portata massima 1800 kg*

- Modulo base in acciaio verniciato nero con predisposizione attacco paranco elettrico o manuale, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori regolabili in altezza per il posizionamento su superfici inclinate e irregolari
- Traliccio antitorsivo, sezione quadrata con lato 29 cm - **SUPERiòR** series
- Carrello in alluminio con dispositivo di appoggio trave, scorrimento su 16 ruote, personalizzabile con 2 o 4 attacchi da 29 o 40 cm
- Top progettato per l'escursione della catena

*La torre lavora correttamente in combinazione dei bracci di controvento.*



TPT30 Top POLITORRE30

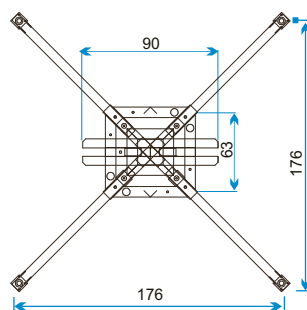
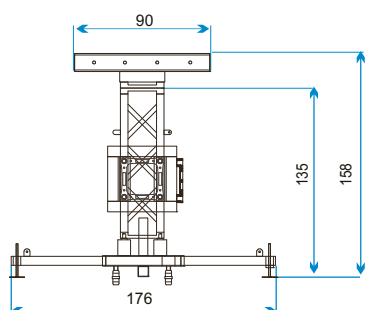


2 - 4 way aluminium sleeve block

Code	Way	Code	Way
CX302S30	2 S30	CX302S40	2 S40
CX303S30	3 S30	CX303S40	3 S40
CX304S30	4 S30	CX304S40	4 S40
CX302S302S40	2 S30 and 2 S40		



**BPT30** Base module, made in black painted steel with steel hinges set

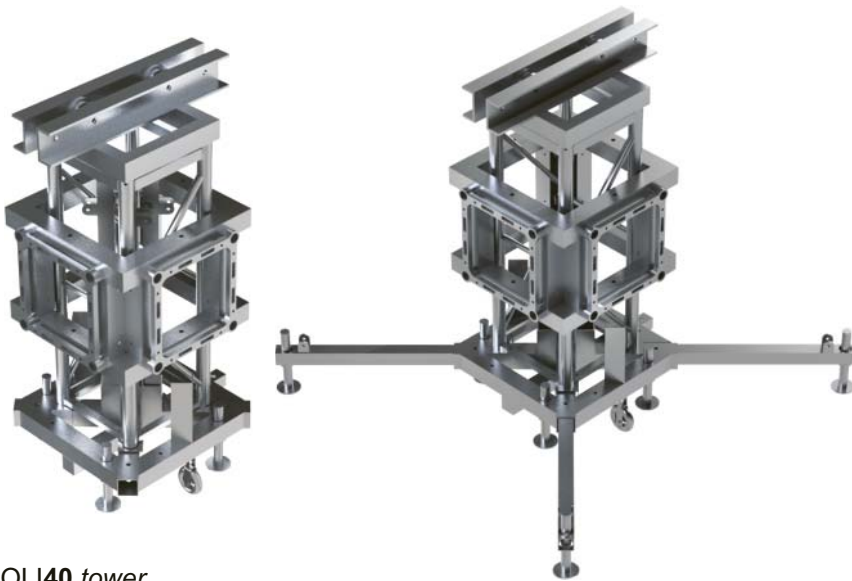


**PT30**

**TECHNICAL DATA**

<b>Base module truss</b>	SS30A/100
<b>Maximum tower height</b>	700 cm
<b>Base module height (excluding support)</b>	135 cm
<b>Compatible trusses</b>	S30 SS30 SS30A S40 SS40 SS40A
<b>Base Dimensions (folded)</b>	63x63 cm
<b>Base Dimensions (open)</b>	176x176 cm
<b>Lifting system (not including)</b>	Manual or electric chain hoist
<b>Maximum lifting load capacity</b>	1800 kg
<b>Volume</b>	0,62 m <sup>3</sup>
<b>Weight</b>	138 kg





**POLI40 tower**

**Poli40 tower, with trusses support device, utilizes SS40A trusses**  
Maximum tower height **800 cm** - Maximum load **2200 Kg**

- Base module, made in black painted steel, with anchoring at the base for manual or electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section **heavy duty** aluminium truss twist-resistant version with 40 cm long sides - **SUPERIOR** series
- 2- 4 way aluminium sleeve block with trusses support device, sliding on 16 wheels, customizable for accommodate either square truss of 29 cm or 40 cm side
- Top designed for chain feed

The tower works correct way with 4 stabilizers-bracings.

*La torre Poli40, con dispositivo di appoggio trave al carrello, utilizza il traliccio SS40A*  
*Massima altezza della torre 800 cm - Portata massima 2200 Kg*

- *Modulo base in acciaio verniciato nero con predisposizione attacco paranco elettrico o manuale, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori con piedini regolabili in altezza per il posizionamento su superfici inclinate e irregolari*
- *Traliccio antitorsivo heavy duty a sezione quadrata con lato 40 cm - SUPERIOR series*
- *Carrello in alluminio con dispositivo di appoggio trave, scorrimento su 16 ruote, personalizzabile con 2 o 4 attacchi da 29 o 40 cm*
- *Top progettato per l'escursione della catena*

*La torre lavora correttamente in combinazione dei bracci di controvento.*



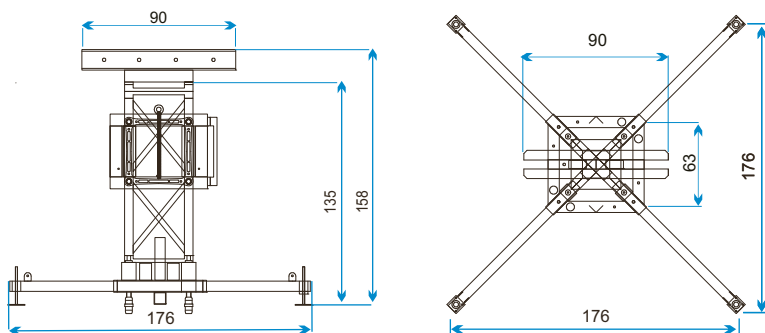
**TPT40** Top POLITOWER40



Code	Way
CX402S30	2 S40
CX403S30	3 S40
CX404S30	4 S40
CX402S302S40	2 S30 and 2 S40



**BPT40P** Base module made in black painted steel with steel hinges set



PT40 TECHNICAL DATA	
<b>Base module truss</b>	<b>SS40A/100</b>
<b>Maximum tower height</b>	<b>800 cm</b>
<b>Base module height (excluding support)</b>	135 cm
<b>Compatible trusses</b>	S30 SS30 SS30A S40 SS40 SS40A
<b>Base Dimensions (folded)</b>	63x63 cm
<b>Base Dimensions (open)</b>	176x176 cm
<b>Lifting system (not including)</b>	Electric chain hoist
<b>Maximum lifting load capacity</b>	<b>2200 kg</b>
<b>Volume</b>	0,61 m <sup>3</sup>
<b>Weight</b>	147 kg



PT40P



**POLIPlus40 tower**

PoliPlus40 tower utilizes **SS40A** trusses  
Maximum tower height **850 cm** - Maximum load **2200 Kg**

- Base module, made in **black painted steel**, with anchoring at the base for manual or electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section **heavy duty** aluminium truss twist-resistant version with 40 cm long sides - **SUPERiòR** series
- Aluminium sleeve-block multi-compatibility, sliding on 16 wheels
- Top designed for chain feed

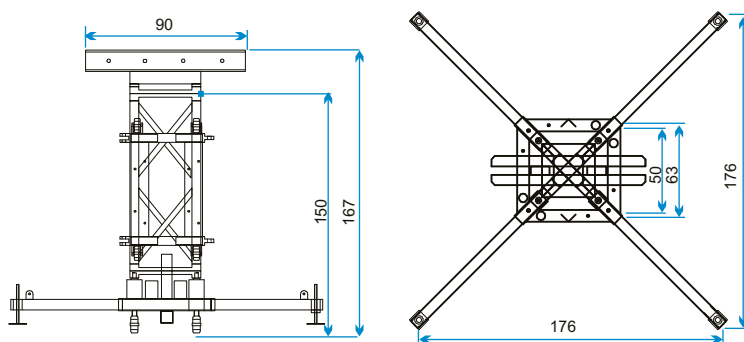
The tower works correct way with 4 stabilizers-bracings.

La torre **PoliPlus40** utilizza il traliccio **SS40A**  
Massima altezza della torre **850 cm** Portata massima **2200 Kg**

- Modulo base in acciaio verniciato nero con predisposizione attacco motore, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori con piedini regolabili in altezza per il posizionamento su superfici inclinate e irregolari
- Traliccio antitorsivo **heavy duty** a sezione quadrata con lato 40cm -**SUPERiòR** series
- Carrello multi - attacco in alluminio, scorrevole su 16 ruote
- Top progettato per l'escursione della catena

La torre lavora correttamente in combinazione dei bracci di controvento.

**NOTE:** PoliPlus40 tower can be required in the variant 30.



**TPT40** Top POLITOWER40



**CX40P** Aluminium sleeve-block **multi-compatibility**



**BPT40P** Base module made in black painted steel with steel hinges set

**PT40**

**TECHNICAL DATA**

<b>Base module truss</b>	<b>SS40A/115</b>
<b>Maximum tower height</b>	<b>850 cm</b>
<b>Base module height (excluding support)</b>	135 cm
<b>Compatible trusses</b>	S30 - SS30 - SS30A S40-SS40-SS40A- S52R
<b>Base Dimensions (folded)</b>	63x63 cm
<b>Base Dimensions (open)</b>	176x176 cm
<b>Lifting system (not including)</b>	Electric chain hoist
<b>Maximum lifting load capacity</b>	<b>2200 kg</b>
<b>Volume</b>	0,85 m <sup>3</sup>
<b>Weight</b>	167 kg

## TOWER TRUSS 30 Compact

Support Tower for audio systems based on the **S30** truss, completely in aluminium, suitable for lifting loads of up to **300 kg** and to a height of **6 metres**.

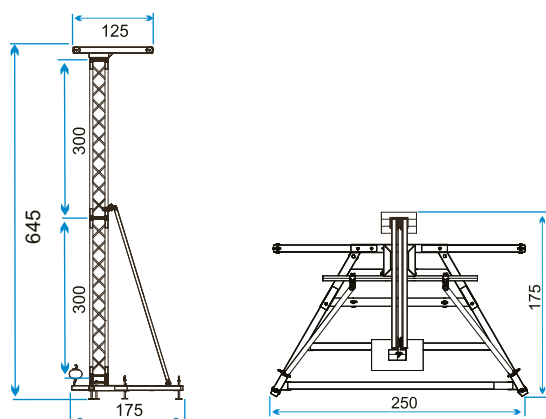
Tower Truss30 lifter has anchoring provided at the base for an electric chain hoist. Alternatively can be lifted manually by adding a cable winch device. The strengths are compactness, **low weight** and **reduced volume** for transport.

*Torre di supporto audio, strutturato con traliccio **S30**, adatto per il sollevamento di carichi fino a **300 kg** e configurabile con una altezza di **6 metri**.*

*Il TowerTruss30 ha predisposizione attacco motore alla base.*

*In alternativa, può essere sollevato con l'aiuto di un dispositivo di sollevamento manuale.*

*I punti di forza sono la compattezza, il **peso** e **volume ridotto** per il trasporto.*



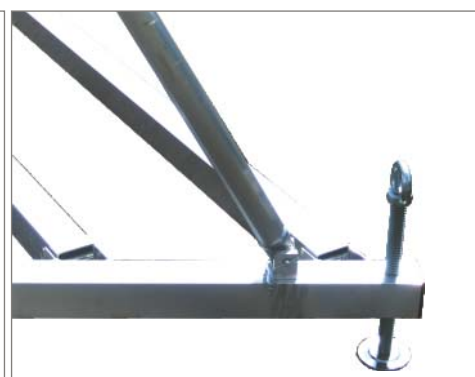
### TWT30C

### TECHNICAL DATA

Maximum tower height	6,00 m
Maximum loading capacity	<b>300 kg</b>
Weight	115 kg
Volume	0,70 m <sup>3</sup>
Lifting system	Electrical chain hoist or manual winch

<b>BTWT30C</b>	1 Base module with 4 steel hinges, diagonal bracings and front ballast device
<b>TTWT30C</b>	1 Top TowerTruss30 compact version
<b>SSF04</b>	2 Quick connection system
<b>S30/300</b>	2 Square truss 29 cm, length 300 cm

### Components







# TWT30



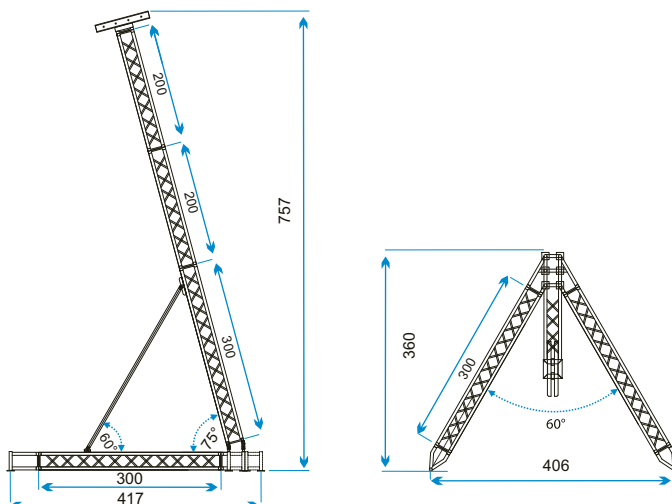
## TOWER TRUSS30

Support Tower for audio systems based on the **S30 truss**, suitable for lifting loads of up to **500 kg** and to a height of **7 metres**.

TowerTruss30 lifter has anchoring provided at the base for an electric chain hoist. Alternatively can be lifted manually by adding a cable winch device

*Torre di supporto audio, strutturato con **traliccio S30**, adatta per il sollevamento di carichi fino a **500 kg** e configurabile con una altezza di **7 metri**.*

*TowerTruss30 ha predisposizione attacco motore alla base. In alternativa, può essere sollevato con l'aiuto di un dispositivo di sollevamento manuale.*



## Components

TWT30	TECHNICAL DATA
Maximum tower height	7,50 m
Maximum loading capacity	500 kg
Weight	175 kg
Volume	1,60 m <sup>3</sup>
Lifting system	Electrical chain hoist or manual winch

- BTWT30**
  - TETWT30**
  - RTWT30**
  - TPT30**
  - SSF04**
  - S30/300**
  - S30/200**
- 1 Base module with motor support and 4 steel hinges
  - 2 Base ends / terminals with adjustable stabilizers
  - 2 Diagonal braces
  - 1 Top **Poli30** tower
  - 9 Quick connection system
  - 3 Square truss 29cm, length 300 cm
  - 2 Square truss 29cm, length 200 cm

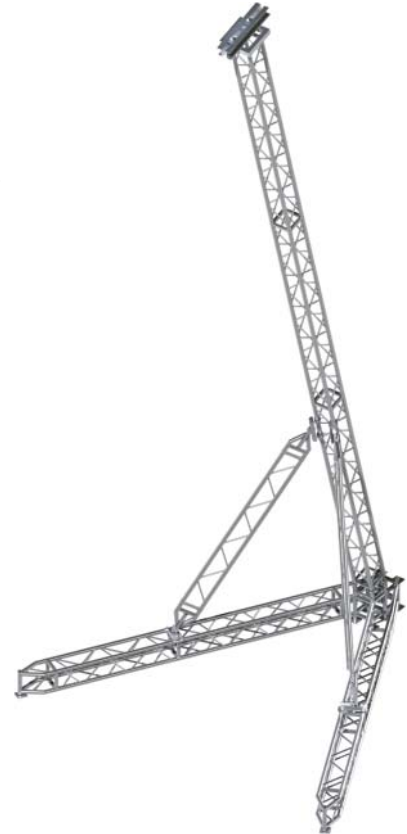
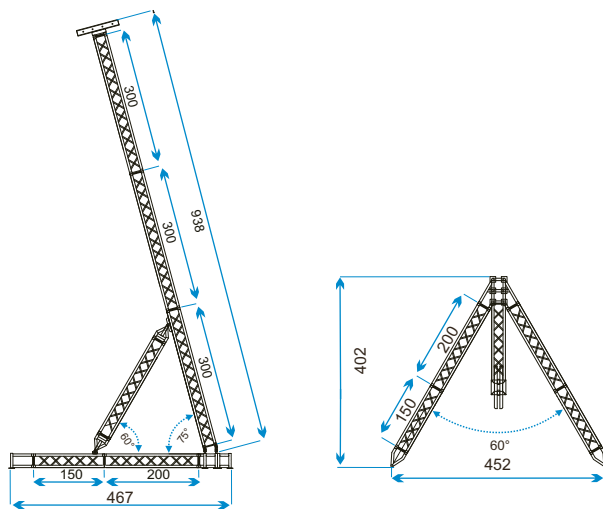
## TOWER TRUSS

Support Tower for audio systems based on the **SS30A** truss, suitable for lifting loads of up to **600 kg** and to a height of **9 metres**.

TowerTruss SS30A lifter has anchoring provided at the base for an electric chain hoist. Alternatively can be lifted manually by adding a cable winch device

*Torre di supporto audio, strutturato con traliccio SS30A, adatta per il sollevamento di carichi fino a 600 kg e configurabile con una altezza di 9 metri.*

*TowerTruss SS30A ha predisposizione attacco motore alla base. In alternativa, può essere sollevato con l'aiuto di un dispositivo di sollevamento manuale.*



### TWTSS30A

### TECHNICAL DATA

<b>Maximum height tower</b>	9,00 m
<b>Max Capacity</b>	<b>600 kg</b>
<b>Weight</b>	240 kg
<b>Volume</b>	1.90 m <sup>3</sup>
<b>Lifting system (not included)</b>	Electrical chain hoist or manual winch

## Components

<b>BTWT30</b>	1 Base Module with motor support and 4 steel hinges
<b>TETWT30</b>	2 Base ends / terminals with adjustable stabilizers
<b>RTWT30</b>	2 Diagonal braces
<b>TPT30</b>	1 TopPoli30tower
<b>SSF04</b>	9 Quick connection system
<b>SS30A/300</b>	3 Square truss 29cm, length 300 cm
<b>SS30/200</b>	2 Square truss 29cm, length 200 cm
<b>SS30/150</b>	2 Square truss 29cm, length 150 cm

## Accessories



**PTWT**  
Back positioner of manual winch  
*Posizionatore posteriore del verricello manuale*



**M35**  
35cm height, adjustable stabilizers for positioning on inclined and irregular surfaces  
*Stabilizzatori regolabili, altezza 35 cm per posizionamento su superfici non uniformi.*



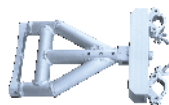
**BTWT30**  
Module base with 4 steel hinges and 4 adjustable stabilizers, motor anchoring provided  
*Modulo base dotato di n.4 snodi (ST01) e 4 innesti di appoggio regolabili M35.*



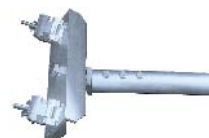
**TETWT30**  
Terminal Tower Truss30 complete with adjustable stabilizers  
*Terminale per Tower Truss30 completo di appoggio regolabile.*



**TPT30**  
Top for PoliTower30  
*Top per Politorre 30*



**RTWTSS30A**  
Arm reinforcing for Tower TrussSS30A with lateral hooks  
*Braccio di rinforzo per Tower TrussSS30A dotato di ganci laterali.*



**RTWT30**  
Arm reinforcing for Tower Truss30 with lateral hooks  
*Braccio di rinforzo per Tower Truss30 dotato di ganci laterali.*

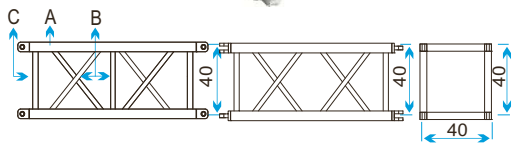


## S40AP

Square section *high load* aluminium truss *twist-resistant* version with 40 cm long sides  
*Traliccio antitorsivo sezione quadrata lato 40 cm, in alluminio*

### Connection system

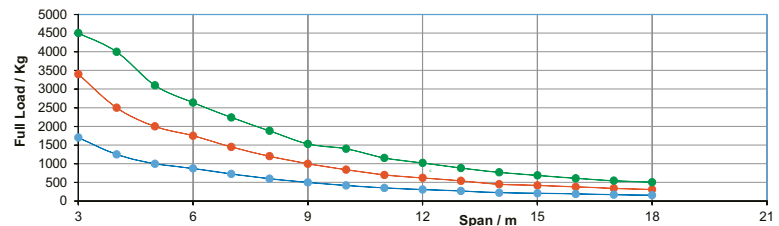
**K52** Quick connection kit / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x4,0 mm EN AW 6082 T6  
**B** Diagonals / *Diagonali* Ø 20x2,5 mm EN AW 6082 T6  
**C** Braces / *Trasversali* Ø 30x3,5 mm EN AW 6082 T6

**Ends:** Fork connection system  
*Connettori a forche in alluminio*

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
S40AP/50	11,50	0,27	50
S40AP/100	14,50	0,54	100
S40AP/150	19,50	0,82	150
S40AP/200	22,50	1,09	200
S40AP/250	26,50	1,36	250
S40AP/300	31,50	1,65	300



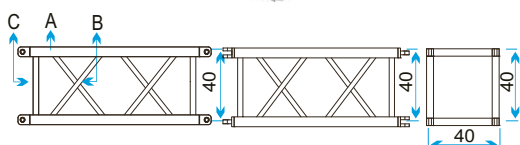
Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	310	80	155	465	80	28	504	83
17	340	74	170	510	74	32	544	76
16	380	70	190	570	70	38	608	71
15	420	65	210	630	65	46	690	66
14	450	60	225	675	60	55	770	60
13	540	55	270	810	55	68	884	55
12	620	50	310	930	50	85	1020	51
11	700	45	350	1050	45	105	1155	47
10	840	40	420	1260	40	140	1400	42
9	1000	34	500	1500	34	170	1530	36
8	1200	29	600	1800	29	235	1880	30
7	1450	23	725	2175	23	320	2240	24
6	1750	19	875	2625	19	440	2640	19
5	2000	15	1000	3000	15	620	3100	14
4	2500	11	1250	3750	11	1000	4000	10
3	3400	7	1700	5100	7	1500	4500	6

## SS40AP

Square section *high load* aluminium truss *twist-resistant* version with 40 cm long sides with ladder side  
*Traliccio antitorsivo sezione quadrata lato 40 cm, in alluminio con un lato scala*

### Connection system

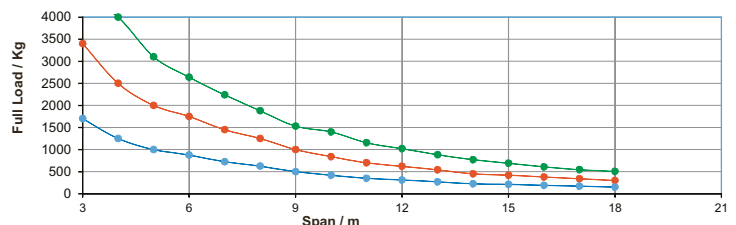
**K52** Quick connection kit / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x4,0 mm EN AW 6082 T6  
**B** Diagonals / *Diagonali* Ø 20x2,5 mm EN AW 6082 T6  
**C** Braces / *Trasversali* Ø 30x4,0 mm EN AW 6082 T6

**Ends:** Fork connection system  
*Connettori a forche in alluminio*

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
SS40AP/50	12,00	0,27	50
SS40AP/100	15,50	0,54	100
SS40AP/150	20,00	0,82	150
SS40AP/200	23,50	1,09	200
SS40AP/250	27,50	1,36	250
SS40AP/300	32,00	1,65	300



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	300	76	150	450	76	28	0	77
17	340	70	170	510	70	32	544	70
16	380	65	190	570	65	38	608	65
15	420	60	210	630	60	46	690	60
14	450	55	225	675	55	55	770	55
13	540	50	270	810	50	68	884	50
12	620	45	310	930	45	85	1020	46
11	700	40	350	1050	40	105	1155	40
10	840	35	420	1260	35	140	1400	37
9	1000	30	500	1500	30	170	1530	31
8	1250	25	625	1875	25	235	1880	26
7	1450	21	725	2175	21	320	2240	21
6	1750	16	875	2625	16	440	2640	15
5	2000	11	1000	3000	11	620	3100	12
4	2500	8	1250	3750	8	1000	4000	8
3	3400	4	1700	5100	4	1500	4500	4

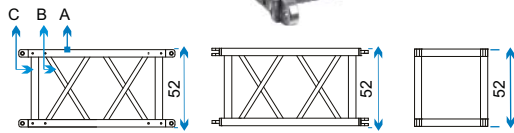
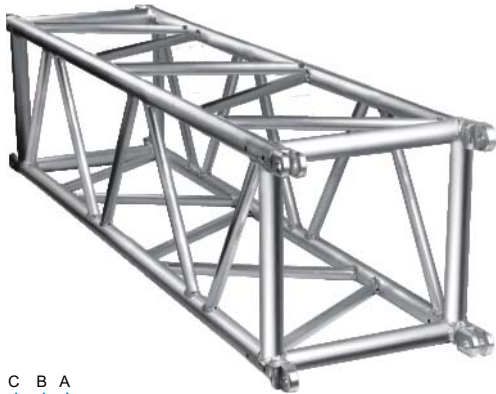


## S52A

Square section *high load* aluminium truss *twist-resistant* version with 52 cm long sides  
*Traliccio antitortosivo sezione quadrata lato 52 cm, in alluminio*

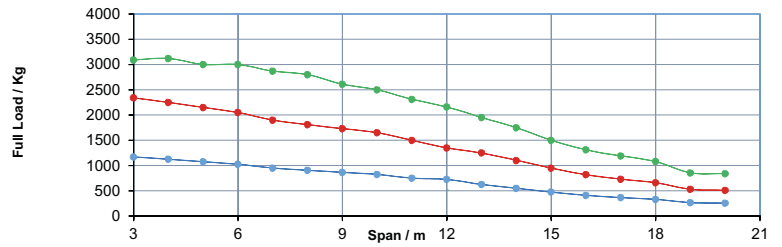
**Connection system:**

**K52 Quick connection kit / Kit di connessione rapida**



A Main tubes / Paralleli Ø 50x4,0 mm EN AW 6082 T6  
 B Diagonals / Diagonali Ø 50x4,0 mm EN AW 6082 T6  
 C Braces / Trasversali Ø 30x3,5 mm EN AW 6082 T6

**Ends:** Fork connection system  
*Connettori a forche in alluminio*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
20	510	98	255	765	98	42	840	97
19	530	94	265	795	94	45	855	93
18	660	90	330	990	90	60	1080	90
17	730	84	365	1095	84	70	1190	85
16	820	78	410	1230	78	82	1312	79
15	950	74	475	1425	74	100	1500	73
14	1100	70	550	1650	70	125	1750	69
13	1250	63	625	1875	63	150	1950	62
12	1350	58	725	2175	58	180	2160	59
11	1500	44	750	2250	44	210	2310	46
10	1650	30	825	2475	30	250	2500	43
9	1730	24	865	2595	24	290	2610	33
8	1810	18	905	2715	18	350	2800	24
7	1900	13	950	2850	13	410	2870	16
6	2050	9	1025	3075	9	500	3000	11
5	2150	5	1075	3225	5	600	3000	6
4	2250	3	1125	3375	3	780	3120	3
3	2340	1	1170	3510	1	1030	3090	1

## SS52A

Square section *high load* aluminium truss *twist-resistant* version with 52 cm long sides with ladder side  
*Traliccio antitortosivo sezione quadrata lato 52 cm, in alluminio - un lato scala*

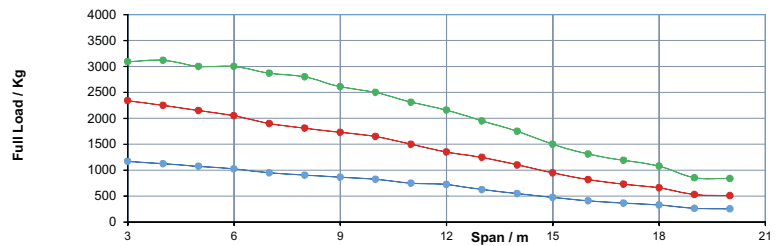
**Connection system:**

**K52 Quick connection kit / Kit di connessione rapida**



A Main tubes / Paralleli Ø 50x4,0 mm EN AW 6082 T6  
 B Diagonals / Diagonali Ø 30x3,5 mm EN AW 6082 T6  
 C Braces / Trasversali Ø 30x4,0 mm EN AW 6082 T6

**Ends:** Fork connection system  
*Connettori a forche in alluminio*



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
20	510	98	255	765	98	42	840	97
19	530	94	265	795	94	45	855	93
18	660	90	330	990	90	60	1080	90
17	730	84	365	1095	84	70	1190	85
16	820	78	410	1230	78	82	1312	79
15	950	74	475	1425	74	100	1500	73
14	1100	70	550	1650	70	125	1750	69
13	1250	63	625	1875	63	150	1950	62
12	1350	58	725	2175	58	180	2160	59
11	1500	44	750	2250	44	210	2310	46
10	1650	30	825	2475	30	250	2500	43
9	1730	24	865	2595	24	290	2610	33
8	1810	18	905	2715	18	350	2800	24
7	1900	13	950	2850	13	410	2870	16
6	2050	9	1025	3075	9	500	3000	11
5	2150	5	1075	3225	5	600	3000	6
4	2250	3	1125	3375	3	780	3120	3
3	2340	1	1170	3510	1	1030	3090	1

Code	Weight Kg	Volume m³	Length cm
S52A/50	11	0,14	50
S52A/100	22	0,27	100
S52A/150	26	0,40	150
S52A/200	27	0,54	200
S52A/250	36	0,68	250
S52A/300	38	0,81	300

Code	Weight Kg	Volume m³	Length cm
SS52A/50	15,00	0,14	50
SS52A/100	25,10	0,27	100
SS52A/150	29,80	0,40	150
SS52A/200	34,00	0,54	200
SS52A/250	39,50	0,68	250
SS52A/300	45,00	0,81	300



# SS52AP

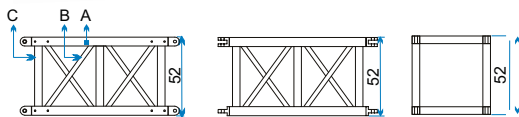


Square section *high load* aluminium truss *twist-resistant plus version* 52 cm long sides - with ladder side

*Traliccio antitorsivo versione plus sezione quadrata lato 52 - n. 1 lato scala*

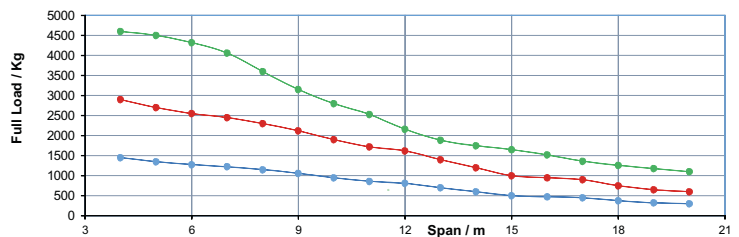
### Connection system

**K105** Quick connection kit / *Kit di connessione rapida*



- A** Main tubes / *Paralleli* Ø 60x5,0 mm EN AW 6082 T6
- B** Diagonals / *Diagonali* Ø 30x3,5 mm EN AW 6082 T6
- C** Braces / *Trasversali* Ø 48x4,0 mm EN AW 6082 T6

**Ends:** Fork connection system  
*Connettori a forche in alluminio*



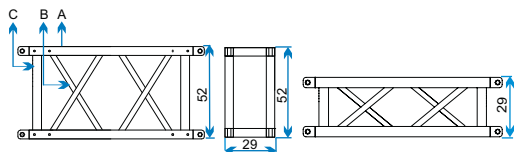
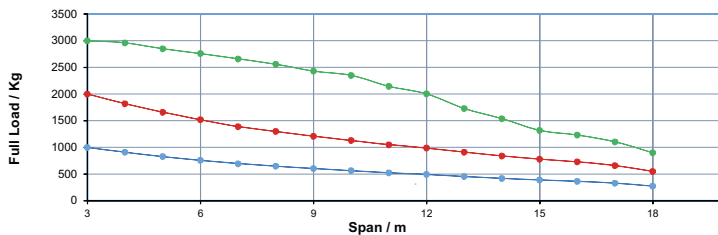
Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
20	600	102	300	900	102	55	1100	109
19	650	95	325	975	95	62	1178	99
18	750	85	375	1125	85	70	1260	88
17	900	84	450	1350	84	80	1360	79
16	950	72	475	1425	72	95	1520	72
15	1000	62	500	1500	62	110	1650	63
14	1200	59	600	1800	59	125	1750	54
13	1400	55	700	2100	55	145	1885	44
12	1620	48	810	2430	48	180	2160	41
11	1720	40	860	2580	40	230	2530	36
10	1900	33	950	2850	33	280	2800	30
9	2120	27	1060	3180	27	350	3150	25
8	2300	20	1150	3450	20	450	3600	20
7	2450	15	1225	3675	15	580	4060	15
6	2550	9	1275	3825	9	720	4320	10
5	2700	6	1350	4050	6	900	4500	7
4	2900	3	1450	4350	3	1150	4600	4

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
SS52AP/50	13,00	0,14	50
SS52AP/100	27,00	0,27	100
SS52AP/150	33,00	0,41	150
SS52AP/200	40,00	0,54	200
SS52AP/250	46,00	0,68	250
SS52AP/300	54,00	0,81	300



Rectangular section *high load* aluminium truss with 52 cm long sides  
*Traliccio sezione rettangolare lato 52 cm, in alluminio*

**Connection system**  
**K52 Quick connection kit / Kit di connessione rapida**



- A Main tubes / Paralleli Ø 50x4,0 mm EN AW 6082 T6
- B Diagonals / Diagonali Ø 30x3,5 mm EN AW 6082 T6
- C Braces / Trasversali Ø 50x4,0 mm EN AW 6082 T6

Ends: Fork connection system  
*Connettori a forche in alluminio*

Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	550	92	275	825	92	50	900	94
17	660	89	330	990	89	65	1105	92
16	730	80	365	1095	80	77	1232	84
15	780	69	390	1170	69	88	1320	73
14	840	60	420	1260	60	110	1540	68
13	910	51	455	1365	51	133	1729	60
12	990	44	495	1485	44	167	2004	54
11	1050	35	525	1575	35	195	2145	50
10	1130	28	565	1695	28	235	2350	38
9	1210	21	605	1815	21	270	2430	28
8	1300	16	650	1950	16	320	2560	20
7	1390	15	695	2085	15	380	2660	14
6	1520	9	760	2280	9	460	2760	10
5	1660	6	830	2490	6	570	2850	7
4	1820	3	910	2730	3	740	2960	4
3	2000	2	1000	3000	2	950	3000	1

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
S52R/50	14,00	0,08	50
S52R/100	18,00	0,16	100
S52R/150	22,00	0,23	150
S52R/200	27,00	0,31	200
S52R/250	30,00	0,40	250
S52R/300	35,00	0,47	300



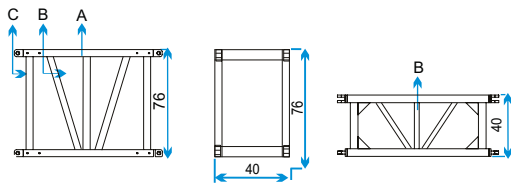


S76R



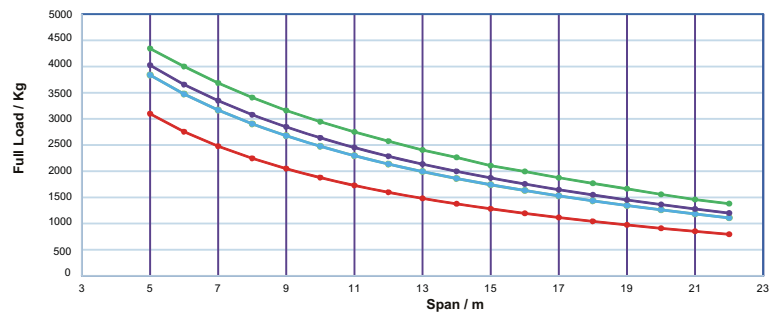
Rectangular section *high load* aluminium truss with 76 cm long sides  
 Traliccio antitorsivo sezione rettangolare con lato 76 cm

**Connection system**  
**K52 Quick connection kit / Kit di connessione rapida**



- A Main tubes / Paralleli Ø 50x4,0 mm EN AW 6082 T6
- B Diagonals / Diagonali Ø 30x3,5 mm EN AW 6082 T6
- C Braces / Trasversali Ø 50x4,0 mm EN AW 6082 T6

Ends: Fork connection system  
 Connettori a forche in alluminio



Span m	UNIFORMLY DISTRIBUTED LOAD			CENTRE POINT LOAD			SINGLE THIRD POINT LOAD			SINGLE QUARTER POINT LOAD			SINGLE FIFTHS POINT LOAD		
	q <sub>am</sub> kg/m	q <sub>am</sub> *L kg	def. mm	f <sub>am</sub> kg	f <sub>am</sub> kg	def. mm	f <sub>am</sub> kg	2*f <sub>am</sub> kg	def. mm	f <sub>am</sub> kg	3*f <sub>am</sub> kg	def. mm	f <sub>am</sub> kg	4*f <sub>am</sub> kg	def. mm
22	63	1379	96	795	795	91	554	1108	103	369	1108	98	300	1199	100
21	69	1459	86	850	850	82	591	1182	93	394	1182	88	319	1278	90
20	78	1555	77	909	909	73	630	1261	84	421	1262	79	341	1362	81
19	88	1664	69	973	973	66	672	1344	75	448	1343	70	362	1450	72
18	98	1767	61	1041	1041	58	717	1433	66	478	1434	62	387	1546	64
17	110	1874	53	1114	1114	51	764	1528	58	510	1529	55	412	1646	56
16	125	1993	46	1193	1193	45	815	1631	51	544	1631	48	439	1755	49
15	140	2107	40	1280	1280	39	871	1741	44	581	1742	41	468	1873	42
14	162	2262	34	1375	1375	33	931	1862	38	621	1862	35	499	1996	36
13	185	2405	29	1481	1481	28	997	1993	32	664	1993	30	534	2135	30
12	214	2573	24	1597	1597	23	1068	2137	26	712	2136	25	572	2286	25
11	250	2749	19	1728	1728	19	1148	2297	22	766	2297	20	613	2453	21
10	294	2945	15	1877	1877	16	1238	2475	17	825	2476	16	659	2637	16
9	351	3160	12	2048	2048	12	1338	2676	13	892	2675	13	711	2845	13
8	426	3407	9	2245	2245	9	1452	2904	10	968	2904	9	769	3078	10
7	526	3684	6	2477	2477	7	1583	3167	7	1056	3167	7	837	3347	7
6	667	4000	4	2753	2753	5	1737	3473	5	1157	3470	5	914	3655	5
5	868	4342	3	3096	3096	3	1919	3837	3	1278	3835	3	1006	4023	3

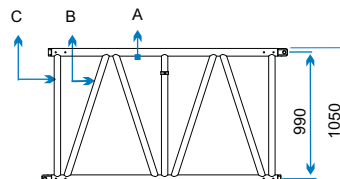
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
S76R/50	11,00	0,15	50
S76R/100	20,50	0,30	100
S76R/150	24,00	0,46	150
S76R/200	38,50	0,61	200
S76R/250	53,00	0,76	250
S76R/300	67,50	0,91	300

Application fields: Facilities stages, stage sets for shows and events.



Flat section *high load* aluminium truss with 105 cm long sides  
*Traliccio sezione piana con lato 105 cm, in alluminio*

**Connection system**  
**K105 Quick connection kit / Kit di connessione rapida**

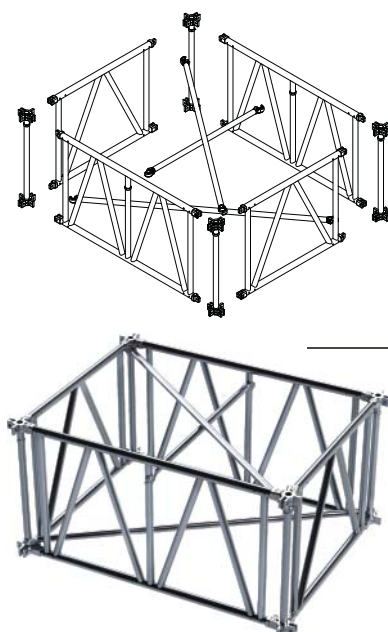


**A** Main tubes / *Paralleli* Ø 60x5,0 mm EN AW 6082 T6  
**B** Diagonals / *Diagonali* Ø 50x4,0 mm EN AW 6082 T6  
**C** Braces / *Trasversali* Ø 50x4,0 mm EN AW 6082 T6

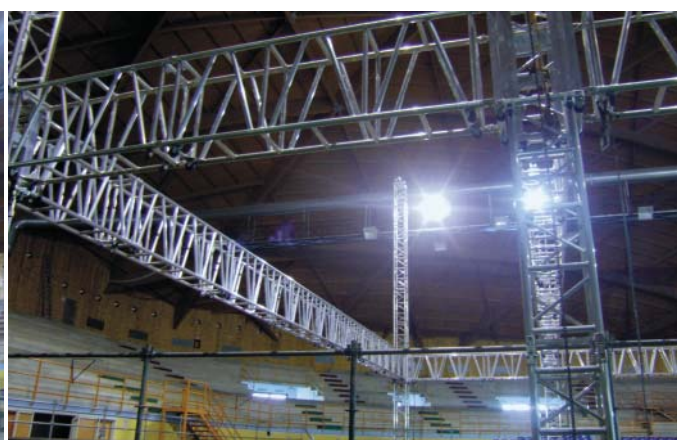
**Ends:** Fork connection system  
*Connettori a forche in alluminio*

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
<b>S105F/100</b>	12,80	0,060	100
<b>S105F/150</b>	16,70	0,091	150
<b>S105R/200</b>	23,50	0,231	200

*On demand black finish*



 Application fields







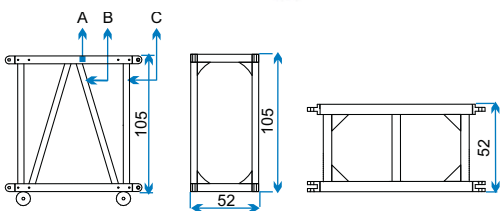
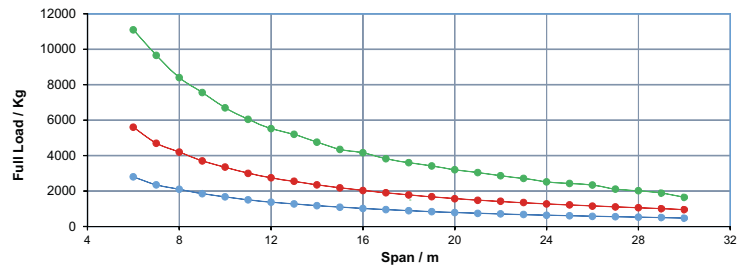
# S105R



Rectangular section *high load* aluminium truss with 105 cm long sides  
*Traliccio sezione rettangolare con lato 105 cm, in alluminio*

**Connection system**

**K105** Quick connection kit / *Kit di connessione rapida*



- A** Main tubes / *Paralleli* Ø 60x5,0 mm EN AW 6082 T6
- B** Diagonals / *Diagonali* Ø 50x4,0 mm EN AW 6082 T6
- C** Braces / *Trasversali* Ø 50x4,0 mm EN AW 6082 T6

**Ends:** Fork connection system  
*Connettori a forche in alluminio*

Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
30	950	136	475	1425	136	55	1650	143
29	1010	126	505	1515	126	65	1885	140
28	1060	116	530	1590	116	72	2016	132
27	1100	106	550	1650	106	78	2106	120
26	1150	97	575	1725	97	90	2340	116
25	1220	89	610	1830	89	97	2425	105
24	1270	80	635	1905	80	105	2520	95
23	1350	73	675	2025	73	118	2714	88
22	1420	66	710	2130	66	130	2860	80
21	1480	60	740	2220	60	145	3045	73
20	1570	53	785	2355	53	160	3200	65
19	1680	48	840	2520	48	180	3420	59
18	1780	43	890	2670	43	200	3600	52
17	1900	38	950	2850	38	225	3825	46
16	2030	33	1015	3045	33	260	4160	42
15	2180	29	1090	3270	29	290	4350	35
14	2350	25	1175	3525	25	340	4760	31
13	2550	21	1275	3825	21	400	5200	27
12	2750	18	1375	4125	18	460	5520	22
11	3000	15	1500	4500	15	550	6050	19
10	3350	13	1675	5025	13	670	6700	16
9	3700	10	1850	5550	10	840	7560	13
8	4200	8	2100	6300	8	1050	8400	10
7	4700	6	2350	7050	6	1380	9660	8
6	5600	4	2800	8400	4	1850	11100	5

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
<b>S105R/50</b>	29,00	0,27	50
<b>S105R/100</b>	38,40	0,54	100
<b>S105R/150</b>	48,00	0,82	150
<b>S105R/200</b>	55,50	1,09	200
<b>S105R/250</b>	63,00	1,36	250
<b>S105R/300</b>	76,10	1,65	300

*On demand black finish*

Aluminium modular structures for every need of space and taste: this is the strenght of EFESTO. Efesto, thanks its wide range of trusses series and a long experience in the field of buildings, is able to offer the best solution to the more different demands.

**Application fields**

Theater, cinema and television studios, shows and events, production and post-production studios, stage platforms, cruise ships, clubs, pubs, disco



2 - 4 way box corner (2 nodules)  
*Raccordo configurabile da 2 a 4 vie (2 nodi)*

Code	Dimensions (cm)	Weight	m <sup>3</sup>
<b>D40AP-2</b>	39 18 18	2,76	0,013
<b>D52-2</b>	52 18 18	3,10	0,017
<b>D52R-2</b>	52 41 18	3,20	0,017
<b>D76R-2</b>	76 18 18	4,50	0,025



2 - 4 way box corner (4 nodules)  
*Raccordo configurabile da 2 a 4 vie (4 nodi)*

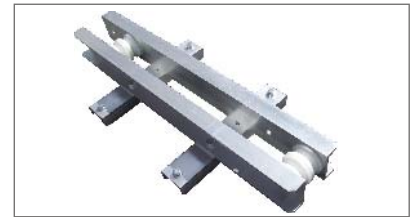
Code	Dimensions (cm)	Weight	m <sup>3</sup>
<b>D40AP-4</b>	52 52 18	8,83	0,043
<b>D52-4</b>	65 52 18	16,00	0,039
<b>D52R-4</b>	52 41 18	16,00	0,039
<b>D76R-4</b>	76 52 18	16,75	0,072



2 - 4 way box corner (8 nodules)  
*Raccordo configurabile da 2 a 4 vie (8 nodi)*

Code	Dimensions (cm)	Weight	m <sup>3</sup>
<b>D40AP-8</b>	52 52 39	22,50	0,11
<b>D52-8</b>	65 65 52	28,00	0,22
<b>D52R-8</b>	52 41 41	26,00	0,91
<b>D76R-8</b>	76 52 52	27,50	0,21





**TPT40P2** Top PoliPlus40 - 2 tower



**CX40P** Aluminium sleeve-block multi-compatibility



**BPT40P2** Base module made in black painted steel with steel hinges set

**POLIPLUS 40 - 2 tower**

PoliPlus40 - 2 tower utilizes **SS40AP** trusses  
Maximum tower height **850 cm** - Maximum load **3000kg**

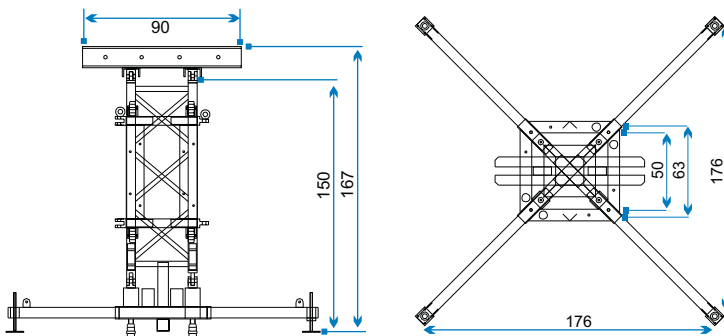
- Base module, made in **black painted steel**, with anchoring at the base for electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section **high load** aluminium truss twist-resistant version with 40cm long sides
- Aluminium sleeve-block multi-compatibility, sliding on 16 wheels
- Top designed for chain feed

The tower works correct way with 4 stabilizers-bracing.

La torre **PoliPlus40 - 2** utilizza il traliccio **SS40AP**  
Massima altezza della torre **850 cm** Portata massima **3000kg**

- Modulo base in acciaio verniciato nero con predisposizione attacco motore, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori con piedini regolabili in altezza per il posizionamento su superfici inclinate e irregolari
- Traliccio antitorsivo high load a sezione quadrata con lato 40cm
- Carrello di scorrimento multi - attacco, scorrevole su 16 ruote
- Top progettato per l'escursione della catena

La torre lavora correttamente in combinazione dei bracci di controvento.



**PT40P2**

**TECHNICAL DATA**

<b>Base module truss</b>	<b>SS40AP/115</b>
	Fork connection system
<b>Maximum tower height</b>	850 cm
<b>Base module height (excluding support)</b>	150 cm
<b>Compatible trusses</b>	S30 - SS30 - SS30A - S40 SS40 - SS40A - SS40AP S52R
<b>Base Dimensions (folded)</b>	63x63 cm
<b>Base Dimensions (open)</b>	176x176 cm
<b>Lifting system (not including)</b>	Manual or electric chain hoist
<b>Maximum lifting load capacity</b>	<b>3000 kg</b>
<b>Volume</b>	0,90 m <sup>3</sup>
<b>Weight</b>	175 kg



PT52



**POLI52 tower**

Poli52 tower utilizes **SS52A** trusses  
 Maximum tower height **14m** Maximum load **2500kg**

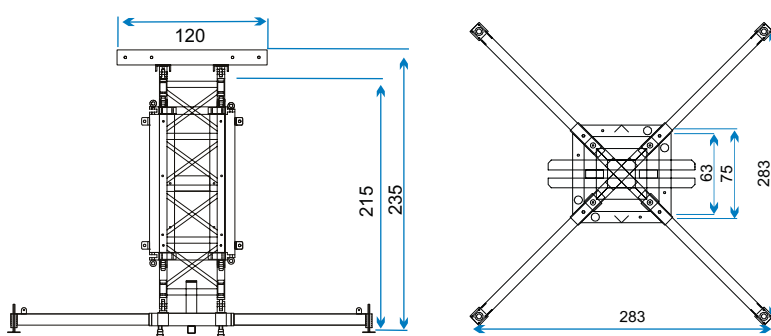
- Base module, made in black painted steel, with anchoring at the base for electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section high load aluminium truss twist-resistant version with 52cm long sides
- Aluminium sleeve-block multi-compatibility, sliding on 16 wheels
- Top designed for chain feed

The tower works correct way with 4 stabilizers-bracing.

La torre **Poli52** utilizza il traliccio **SS52A**  
 Massima altezza della torre **14m** Portata massima **2500kg**

- Modulo base in acciaio verniciato nero con predisposizione attacco motore, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori con piedini regolabili in altezza per il posizionamento su superfici inclinate e irregolari
- Traliccio antitorsivo per elevate prestazioni, a sezione quadrata con lato 52cm
- Carrello multi - attacco in alluminio, scorrevole su 16 ruote
- Top progettato per l'escursione della catena

La torre lavora correttamente in combinazione dei bracci di controvento.



**PT52**

**TECHNICAL DATA**

<b>Base module truss</b>	<b>SS52A/150</b>
<b>Maximum tower height</b>	<b>14 m</b>
<b>Base module height</b> (excluding support)	170 cm
<b>Compatible trusses</b> (with suitable sleeve block)	S40 - SS40 - SS40A SS52AP - S76R - S105R
<b>Base Dimensions (folded)</b>	75x75 cm
<b>Base Dimensions (open)</b>	283x283 cm
<b>Lifting system (not including)</b>	Electric chain hoist
<b>Maximum lifting load capacity</b>	<b>2500 kg</b>
<b>Volume</b>	1,65 m <sup>3</sup>
<b>Weight</b>	361 kg



**POLIPLUS52 tower**

PoliPlus52 tower utilizes **SS52AP** trusses  
Maximum tower height **14 m** - Maximum load **3500 kg**

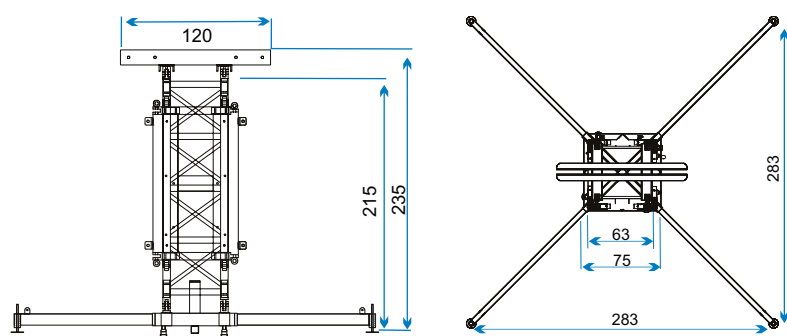
- Base module, made in **black painted steel**, with anchoring at the base for electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section **high load** aluminium truss twist-resistant version with 52cm long sides
- Aluminium sleeve-block multi-compatibility, sliding on 16 wheels
- Top designed for chain feed

The tower works correct way with 4 stabilizers-bracing.

La **PoliPlus52** tower utilizza il traliccio **SS52AP**  
Massima altezza della torre **14m** - Portata massima **3500 kg**

- Modulo base in **acciaio verniciato nero** con predisposizione attacco motore, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori con piedini regolabili in altezza per il posizionamento su superfici inclinate e irregolari
- Traliccio antitorsivo **high load**, a sezione quadrata con lato 52cm
- Carrello multi-attacco in alluminio, scorrevole su 16 ruote
- Top progettato per l'escursione della catena

La torre lavora correttamente in combinazione dei bracci di controvento.



**PT52P**

**TECHNICAL DATA**

<b>Base module truss</b>	<b>SS52AP/150</b>
<b>Maximum tower height</b>	<b>14 m</b>
<b>Base module height</b>	<b>215 cm</b>
<i>(excluding support)</i>	
<b>Compatible trusses</b>	SS40AP SS52A SS52AP S76R S105R
<b>Base Dimensions (folded)</b>	75x75 cm
<b>Base Dimensions (open)</b>	283x283 cm
<b>Lifting system (not including)</b>	Electrical chain hoist
<b>Maximum lifting load capacity</b>	<b>3500 kg</b>
<b>Volume</b>	1,65 m <sup>3</sup>
<b>Weight</b>	330 kg





**ST01UFM**  
Male fork steel connector *version fixed* (dim. 50 x50 mm)



**ST01UF/F**  
Female fork steel connector *version fixed* (dim. 50 x50 mm)



**ST01U**  
Male and female fork steel connector 180° (dim.50x50mm)

**ST02U**  
Male and female fork steel connector 180° (dim.60x60mm)



**ST/03G**  
Support truss *plus version* adjustable extension 30/40 cm with eyebolt Ø 20 mm - aluminum base dim. 100x50x8 mm



**KSU**  
2 U support, n. 2 T support with bolts, pins and safety springs (connection kit for sleeve block - 52 series)

**KSU105**  
2 U support, n. 2 T support with bolts, pins and safety spring (connection kit for sleeve block - 105 series)



**KB50L70**  
Aluminium connectors kit with bolts and nuts (adapter for sleeve block Politorre40*Plus* Tower to inclination corner roof)



**PF52**  
Pin 64 mm long with safety spring for 52 and 52R series

**PF105**  
Pin 74 mm long with safety spring for S105R and SS52AP series



**K52**  
Connection kit 4 stell pins, 4 safety springs

**K105**  
Connection kit 4 stell pins, 4 safety springs



**PT40LI**  
Steel help erecting system for tower 30 or 40 by electrical chain hoist, black finish

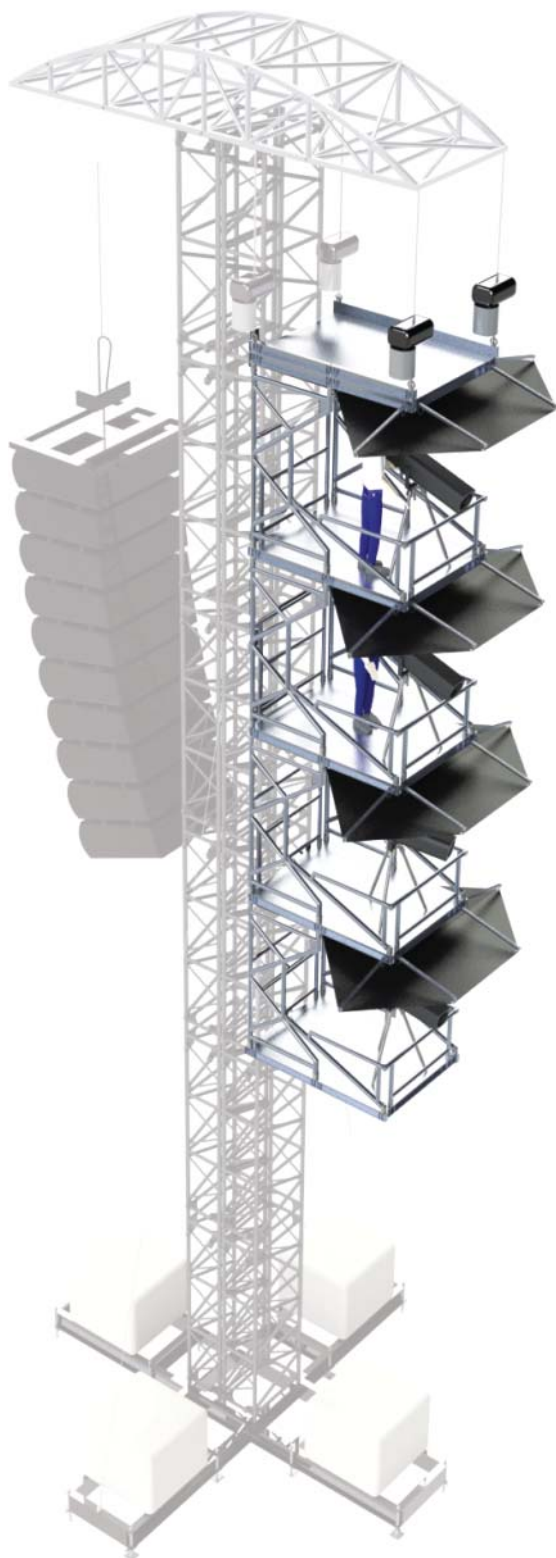
Code	Dimensions cm	KG
PT40LI	215x84x13	25.50



**PT52LI**  
Aluminium help erecting system for tower 52 by electrical chain hoist, silver finish

Code	Dimensions cm	KG
PT52LI	350x74x50	56.00





### SPOT BASKET for follow spots

*Perspectives no limits and boundaries!*

EFESTO has designed a very compact "Follow spot Basket", capable of combining four follow spots.

Modular aluminium structure, assembled with prefabricated components and used as a suspended work plan in combination with free-standing towers and lifting systems.

Spot Basket structure provides a support base in elevation for stage luminaries, commonly called "Follow spots" and for the operator assigned to its use.

Spot Basket can be used as a single module or overlapped configuration up to maximum number 4 modules / spot baskets.

The modularity and compactness of elements make easy and fast the assembly. Spot Basket can be dismantled completely for a compact transport and storage area.

### SPOT BASKET per segui persona

*Prospettive senza confini!*

EFESTO ha progettato una "Postazione seguipersona" molto compatta, perfettamente in grado di combinare quattro postazioni sovrapposte.

Spot Basket è una postazione modulare in alluminio che lavora in combinazione con torri autoportanti e/o sistemi di sollevamento diversi.

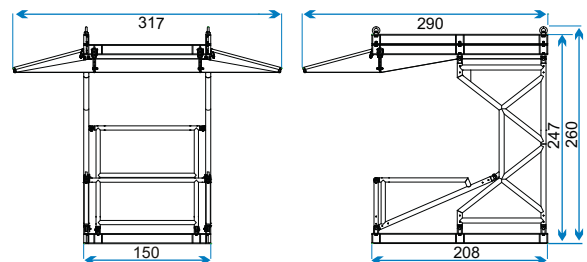
Assemblato con componenti prefabbricati è utilizzato come base di appoggio in elevazione per apparecchi di illuminazione, comunemente chiamati "Seguipersona", e come piano di lavoro per l'operatore luci.

La connessione tra i vari componenti avviene con sistema di connessione a forche, perni e bulloni ad alta resistenza.

Questa struttura può essere utilizzata come postazione di lavoro singola o plurima se combinata in sovrapposizione ad un numero di massimo 4 moduli /postazioni. La modularità e la compattezza degli elementi che la strutturano rendono facile e veloce il montaggio.

Ogni Spot Basket è completamente smontabile ed occupa una ridotta superficie di trasporto e di stoccaggio.





**SPBK150208**

**TECHNICAL DATA**

<b>Dimensions</b>	2,08 x 1,50 x 2,60 m
<b>Main frame</b>	Ø60x5mm - EN AW-6082
<b>Railings</b>	Ø50x4mm - EN AW-6082
<b>Platform</b>	EN AW-6060 T5
<b>Deck</b>	Aluminium tear plate deck
<b>Welding</b>	TiG/MiG (EN ISO 4063-141/131)
<b>Cover</b>	Fireproof Sheet PVC 650 g/m <sup>2</sup> (Black or different color on demand)
<b>Deck area</b>	2,6 m <sup>2</sup>
<b>Weight</b>	305 kg

**Advantages**

**Compact and durable**

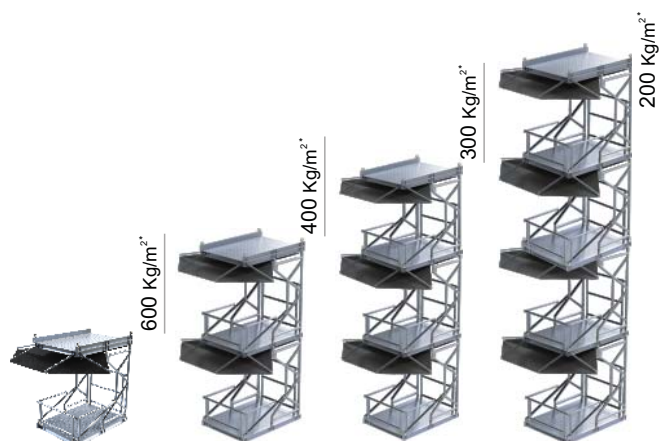
The connections between the different components are made with fork connection system, pins and high strength bolts. The modularity and compactness of element make easy and fast the assembly. Completely dismantled is a compact structure ideal for transport and storage area.

**Safety**

Wide and antiskid platform of work, ideal workstation on the top of audience for lights-operators. Back and front railings for safe work station. The sheet pvc cover protects the lights-operator from the rain and the sun during the work. The operators on the structure must be provided with protective equipment (harness).

**Versatile work spot**

Configuration of 4 spot baskets is a workstation for more lights operators on a single tower

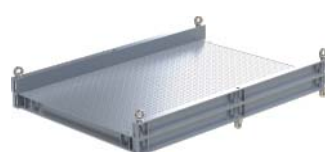


\* Loading data calculated without wind

**Components**



**SPBK/M150208**  
Aluminium Spot Basket module dim.150x208h 200cm with back and front railings.

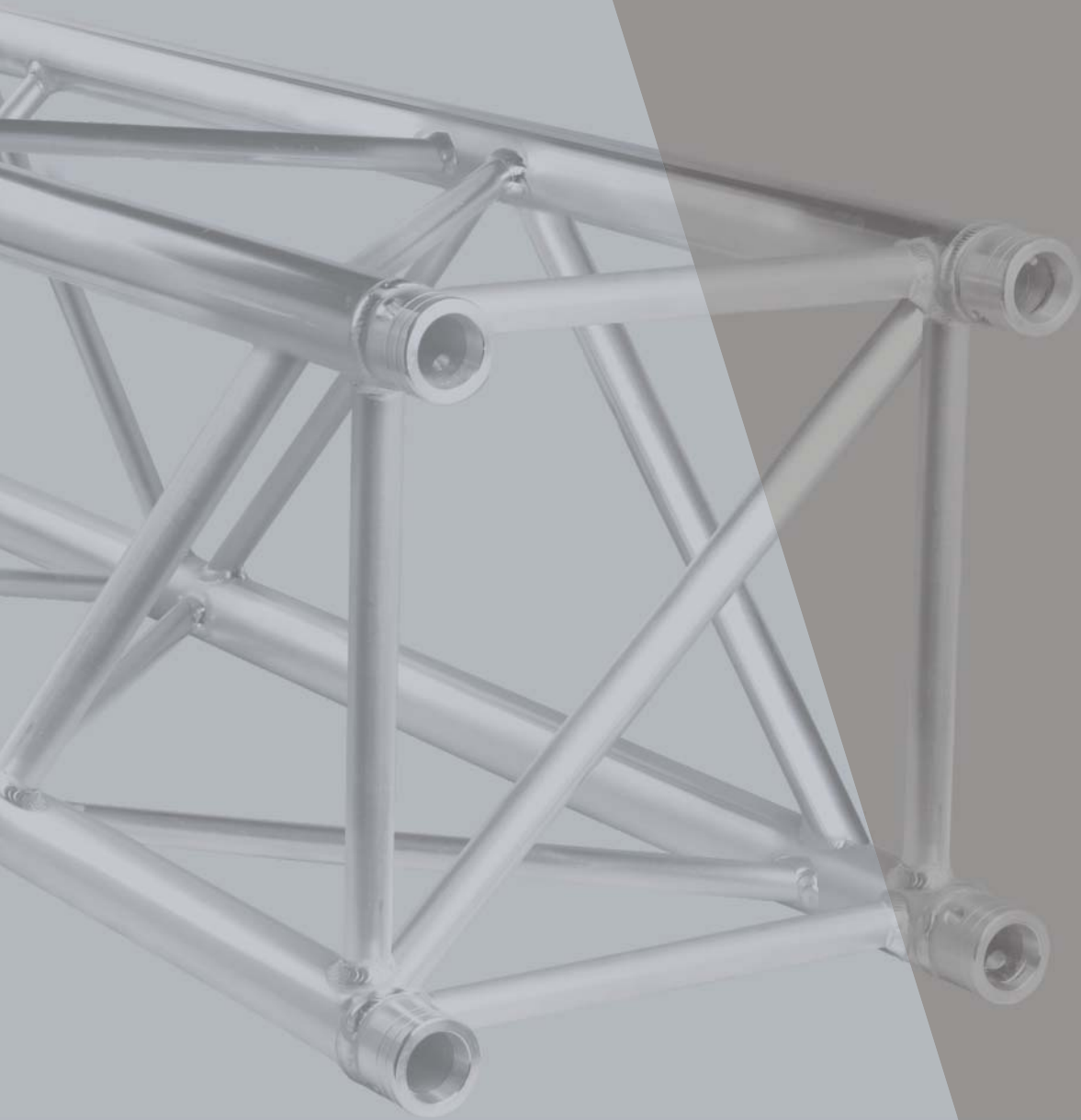


**SPBK/FB150208**  
Top Basket dim.150x208cm with aluminium flying bar



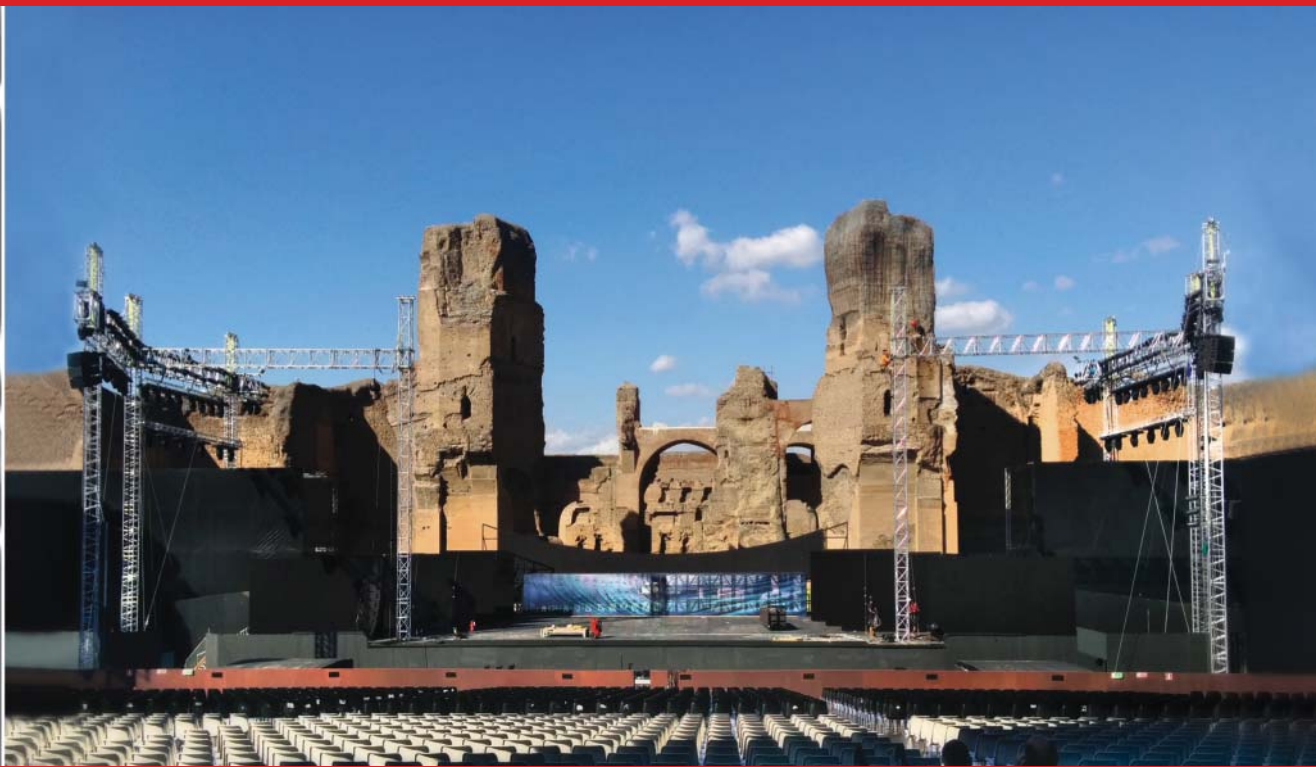
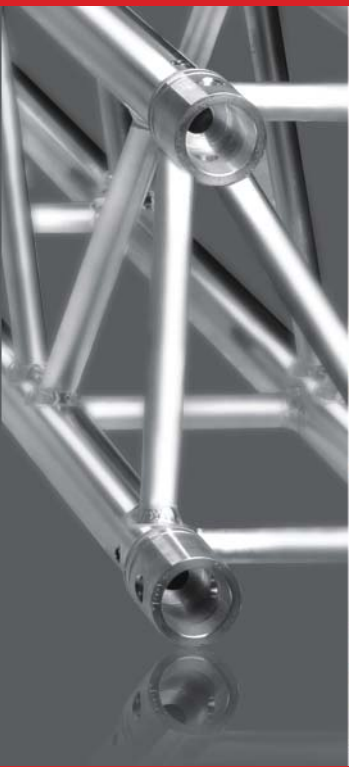
**SPBK/RC90 /TPVC**  
Positioning rods of sheet pvc cover





TITANS *series*

# TITANS *series*



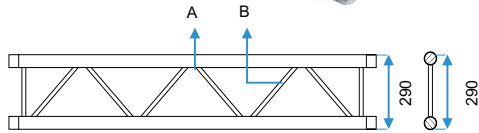
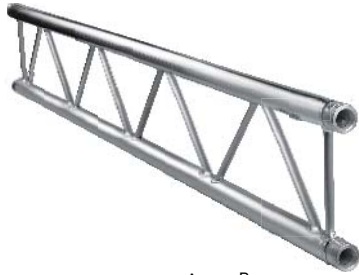
**TITANS** trusses conical connection system  
*The series of GIANTS*

**TITANS** series can configure small and large modular structure .

The modules of **TITANS** series, high performance, stand out for safe and quick assembly. The ends of the **TITANS** series have **conical connections**.

Designed for configuration of large and small projects, this family provides a high quality product and cheap prices.

These series are very versatile in their use and very fast to be joined.



A Main tubes / Paralleli Ø 50x2 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 16x2 mm EN AW 6082 T6

Ends: Fast Conical connection system  
 Connettori conici

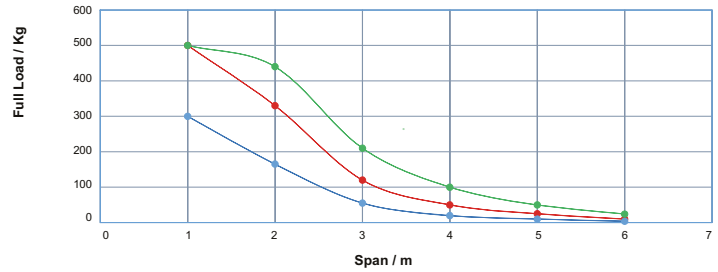
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T30P/10	0.45	0,014	10
T30P/25	0.70	0,036	25
T30P/50	1.43	0,072	50
T30P/100	2.43	0,145	100
T30P/150	3.37	0,217	150
T30P/200	4.31	0,291	200
T30P/250	5.25	0,362	250
T30P/300	6.19	0,435	300
T30P/350	7.14	0,507	350
T30P/400	8.07	0,58	400

## T30P

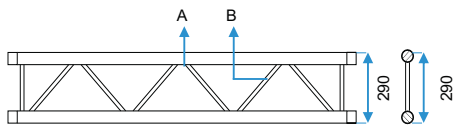
Flat section aluminium truss with 29 cm long sides  
 Traliccio sezione *piana lato 29 cm*, in alluminio

Connection system

SSF02T Quick connection kit for flat 30 series / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
6	10	1,28	4	24,00	1,30	4	24	1,23
5	25	1,24	10	50,00	1,28	10	50	1,19
4	50	1,22	20	80,00	1,27	25	100	1,27
3	120	1,31	55	165,00	1,27	70	210	1,35
2	330	1,33	165	330,00	1,26	320	440	1,38
1	500	0,44	300	300,00	0,31	500	500	0,10



A Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 16x2 mm EN AW 6082 T6

Ends: Fast Conical connection system  
 Connettori conici

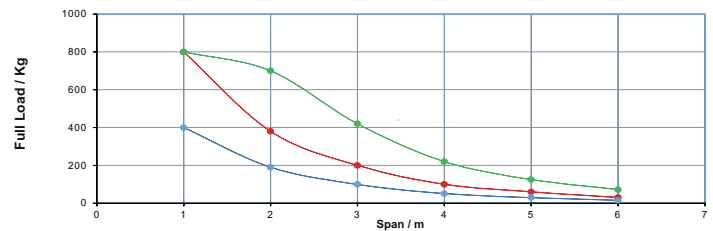
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T30PS/10	0.70	0,014	10
T30PS/25	1.10	0,036	25
T30PS/50	1.80	0,072	50
T30PS/100	3.23	0,145	100
T30PS/150	4.59	0,217	150
T30PS/200	5.78	0,291	200
T30PS/250	7.30	0,362	250
T30PS/300	9.66	0,435	300
T30PS/350	10.01	0,507	350
T30PS/400	11.37	0,58	400

## T30PS

Flat section heavy duty aluminium truss with 29 cm long sides  
 Traliccio sezione *piana lato 29 cm*, in alluminio - impieghi gravosi

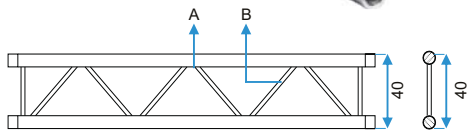
Connection system

SSF02T Quick connection kit for flat 30 series / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
3	30	2,00	15	45	1,30	12	72	3,00
5	60	2,00	30	90	1,28	25	125	3,00
4	100	2,00	50	150	1,27	55	220	2,00
3	200	2,00	100	300	1,27	140	420	2,00
2	380	1,00	190	570	1,26	350	700	1,00
1	800	1,00	400	1200	0,31	800	800	1,00





**A** Main tubes / *Paralleli* Ø 50x3 mm EN AW 6082 T6  
**B** Diagonals / *Trasversali* Ø 20x2 mm EN AW 6082 T6

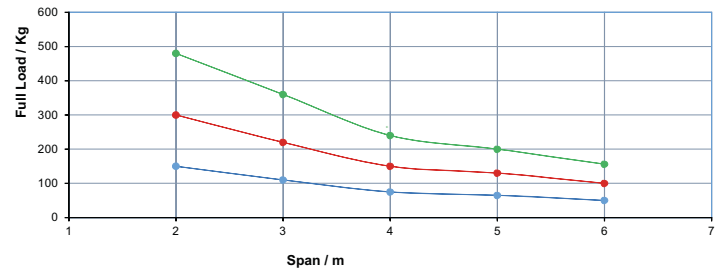
**Ends:** Fast Conical connection system  
*Connettori conici*

## T40PS

Flat section *heavy duty* aluminium truss with 40 cm long sides  
*Traliccio sezione piana lato 40 cm, in alluminio*

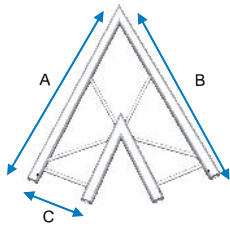
### Connection system

**SSF02T** Quick connection kit for flat 40 series / *Kit di connessione rapida*



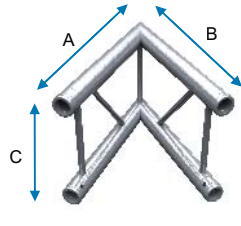
Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
6	100	2,80	50	300	2,80	26	156	2,80
5	130	2,00	65	325	2,00	40	200	2,00
4	150	1,20	75	300	1,20	60	240	1,20
3	220	0,70	110	330	0,70	120	360	0,70
2	300	0,30	150	300	0,30	240	480	0,30

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T40PS/50	3.80	0,014	50
T40PS/100	5.10	0,035	100
T40PS/150	6.90	0,070	150
T40PS/200	8.10	0,140	200
T40PS/250	10.00	0,210	250
T40PS/300	11.20	0,280	300
T40PS/350	13.00	0,350	350
T40PS/400	14.80	0,420	400



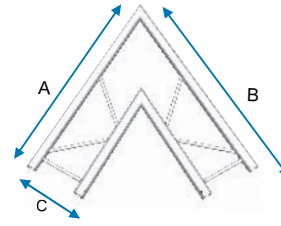
2 way 45° corner horizontal  
45° 2 vie orizzontale

Code	A	B	C	KG
T30PL2O/45	100	100	29	2.91
T30PSL2O/45	100	100	29	4.50
T40PSL2O/45	100	100	40	6.70



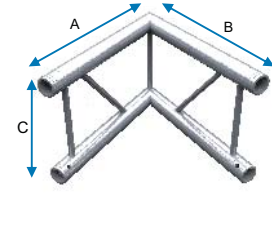
2 way 45° corner vertical  
45° 2 vie verticale

Code	A	B	C	KG
T30PL2V/45	50	50	29	2.15
T30PSL2V/45	50	50	29	3.58
T40PSL2V/45	50	50	40	5.28



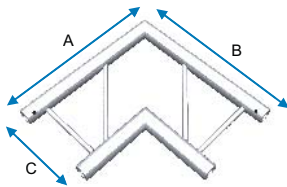
2 way 60° corner horizontal  
60° 2 vie orizzontale

Code	A	B	C	KG
T30PL2O/60	100	100	29	3.24
T30PSL2O/60	100	100	29	4.80
T40PSL2O/60	100	100	40	7.30



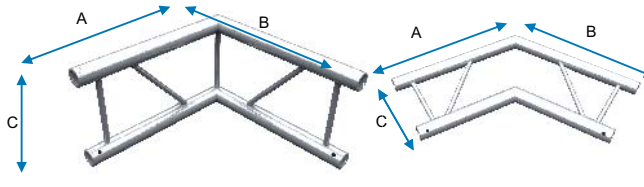
2 way 60° corner vertical  
60° 2 vie verticale

Code	A	B	C	KG
T30PL2V/60	50	50	29	2.20
T30PSL2V/60	50	50	29	3.50
T40PSL2V/60	50	50	40	5.20



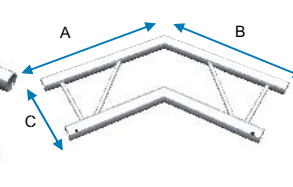
2 way 90° corner horizontal  
90° 2 vie orizzontale

Code	A	B	C	KG
T30PL2O/90	50	50	29	1.84
T30PSL2O/90	50	50	29	2.90
T40PSL2O/90	50	50	40	4.30



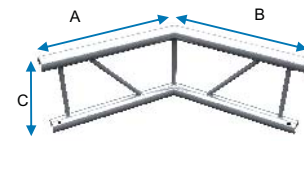
2 way 90° corner vertical  
90° 2 vie verticale

Code	A	B	C	KG
T30PL2V/90	50	50	29	2.30
T30PSL2V/90	50	50	29	2.90
T40PSL2V/90	50	50	40	5.40



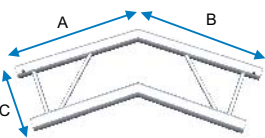
2 way 120° corner horizontal  
120° 2 vie orizzontale

Code	A	B	C	KG
T30PL2O/120	50	50	29	2.05
T30PSL2O/120	50	50	29	3.00
T40PSL2O/120	50	50	40	4.60



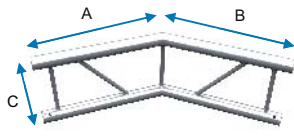
2 way 120° corner vertical  
120° 2 vie verticale

Code	A	B	C	KG
T30PL2V/120	50	50	29	2.03
T30PSL2V/120	50	50	29	3.00
T40PSL2V/120	50	50	40	5.48



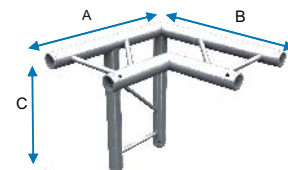
2 way 135° corner horizontal  
135° 2 vie orizzontale

Code	A	B	C	KG
T30PL2O/135	50	50	29	2.11
T30PSL2O/135	50	50	29	3.58
T40PSL2O/135	50	50	40	4.95



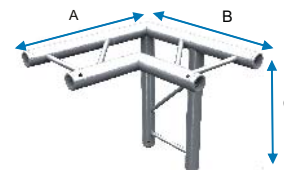
2 way 135° corner vertical  
135° 2 vie verticale

Code	A	B	C	KG
T30PL2V/135	50	50	29	2.30
T30PSL2V/135	50	50	29	3.50
T40PSL2V/135	50	50	40	5.65



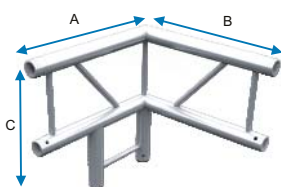
3 way 90° corner left horizontal  
90° 3 vie orizzontale sinistro

Code	A	B	C	KG
T30PL3OS/90	50	50	50	2.89
T30PSL3OS/90	50	50	50	4.50
T40PSL3OS/90	50	50	50	5.00



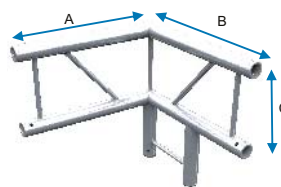
3 way 90° corner right horizontal  
90° 3 vie orizzontale destro

Code	A	B	C	KG
T30PL3OD/90	50	50	50	2.89
T30PSL3OD/90	50	50	50	4.50
T40PSL3OD/90	50	50	50	7.65



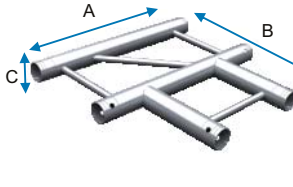
3 way 90° corner left vertical  
90° 3 vie verticale sinistro

Code	A	B	C	KG
T30PL3VS/90	50	50	50	2.90
T30PSL3VS/90	50	50	50	4.50
T40PSL3VS/90	50	50	50	7.80



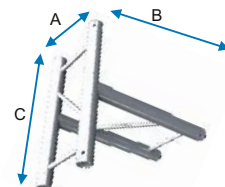
3 way 90° corner right vertical  
90° 3 vie verticale destro

Code	A	B	C	KG
T30PL3VD/90	50	50	50	2.89
T30PSL3VD/90	50	50	50	4.40
T40PSL3VD/90	50	50	50	7.88



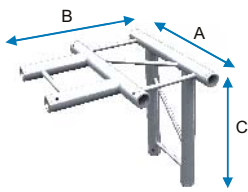
3 tee way horizontal  
T 3 vie orizzontale

Code	A	B	C	KG
T30PLT3O	50	50	5	2.10
T30PSLT3O	50	50	5	3.50
T40PSLT3O	50	50	5	5.10



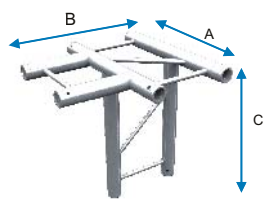
3 tee way vertical  
T 3 vie verticale

Code	A	B	C	KG
T30PLT3V	29	50	50	2.50
T30PSLT3V	29	50	50	3.95
T40PSLT3V	40	50	50	5.75



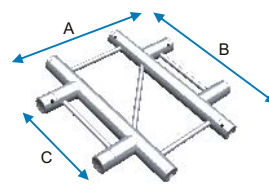
4 way tee horizontal  
T 4 vie orizzontale

Code	A	B	C	KG
T30PLT4O	50	50	50	3.10
T30PSLT4O	50	50	50	4.95
T40PSLT4O	50	50	50	5.10



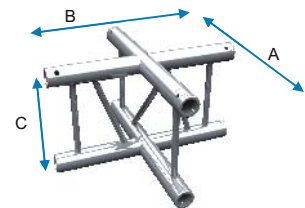
4 way tee vertical  
T 4 vie verticale

Code	A	B	C	KG
T30PLT4V	50	50	50	3.70
T30PSLT4V	50	50	50	4.95
T40PSLT4V	50	50	50	5.10



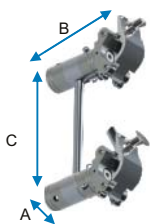
4 way cross horizontal  
Croce 4 vie orizzontale

Code	A	B	C	KG
T30PLX4O	50	50	29	2.40
T30PSLX4O	50	50	29	3.85
T40PSLX4O	50	50	40	4.10



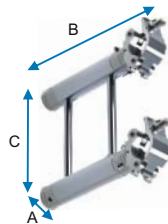
4 way cross vertical  
Croce 4 vie verticale

Code	A	B	C	KG
T30PLX4V	50	50	29	2.40
T30PSLX4V	50	50	29	3.90
T40PSLX4V	50	50	40	4.20



Clamp module short  
Raccordo di aggancio corto

Code	A	B	C	KG
T30PAC	5	12,5	25	2.75
T30PSAC	5	12,5	29	3.25
T40PSAC	5	12,5	40	3.45



Clamp module long  
Raccordo di aggancio lungo

Code	A	B	C	KG
T30PACL	5	21	25	2.90
T30PSACL	5	21	29	3.45
T40PSACL	5	21	40	4.00

## TERMINALS



Flat terminal length 98,5 cm with conical connector

**Terminale** sezione piana lunghezza 98,5 cm con connettore conico

Code	Side (cm)	Main tubes (mm)	Diagonals (mm)	kg
TP30T	29	Ø 50x2	Ø 16x2,0	1.98
TPP40T	40	Ø 50x3	Ø 20x2,0	3.30



Flat terminal length 105 cm with hook (centre hook: 102,5)

**Terminale** sezione piana lunghezza 105 mm dotato di gancio a molla (centro Gancio a molla: 102,5 cm)

Code	Side (cm)	Main tubes (mm)	Diagonals (mm)	kg
TP30GMT	29	Ø 50x2	Ø 16x2,0	2.60
TPP40GMT	40	Ø 50x3	Ø 20x2,0	3.15



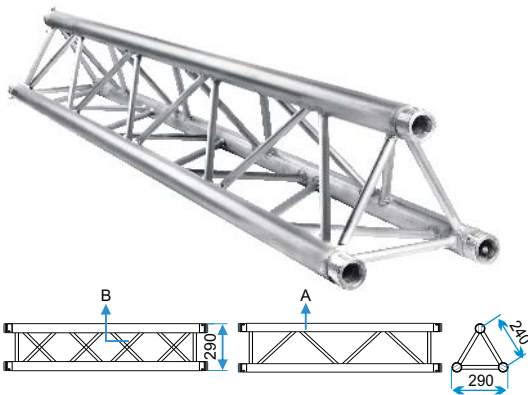
Flat terminal length 105 cm adjustable 0/20 cm with hook (centre hook: 102,5 cm)

**Terminale** sezione piana lunghezza 105 cm dotato di gancio a molla regolabile 0-20 cm (centro Gancio a molla :102,5 cm)

Code	Side (cm)	Main tubes (mm)	Diagonals (mm)	kg
TP30RT	29	Ø 50x2	Ø 16x2,0	4,00
TPP40RT	40	Ø 50x3	Ø 20x2,0	4,22



## T30T

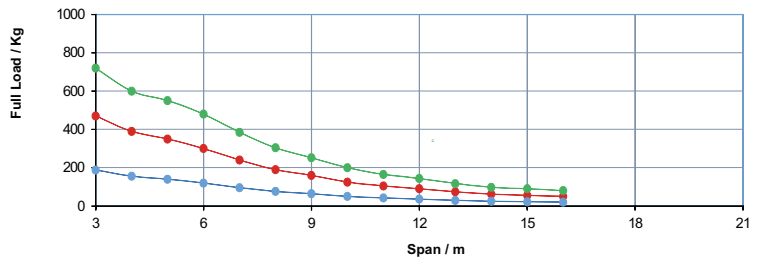


A Main tubes / Paralleli Ø 50x2 mm EN AW 6082 T6  
B Diagonals / Trasversali Ø 16x2 mm EN AW 6082 T6

Ends: Fast Conical connection system  
Connettori conici

Triangular section aluminium truss with 29 cm long sides  
Traliccio sezione **triangolare** lato 29 cm, in alluminio

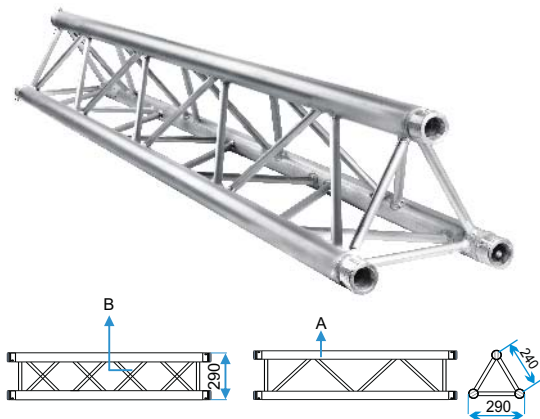
Connection system  
SSF03T Quick connection kit for trinagular series / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	50	142	20	60	142	5	80	142
15	55	125	22	66	125	6	90	125
14	62	106	25	74	106	7	98	106
13	74	93	30	89	93	9	117	93
12	90	83	36	108	83	12	144	83
11	105	69	42	126	69	15	165	69
10	125	59	50	150	59	20	200	59
9	160	51	64	192	51	28	252	51
8	190	42	76	228	42	38	304	42
7	240	35	96	288	35	55	385	35
6	300	26	120	360	26	80	480	26
5	350	17	140	420	17	110	550	17
4	390	10	156	468	10	150	600	10
3	470	5	188	564	5	240	720	5

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T30T/10	1.20	0,007	10
T30T/25	1.60	0,018	25
T30T/50	2.80	0,036	50
T30T/100	4.20	0,073	100
T30T/150	5.80	0,109	150
T30T/200	7.40	0,145	200
T30T/250	8.90	0,181	250
T30T/300	10.90	0,218	300
T30T/350	12.20	0,254	350
T30T/400	13.30	0,58	400

## T30TS

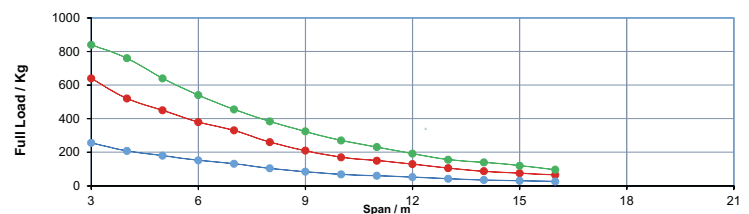


A Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
B Diagonals / Trasversali Ø 16x2 mm EN AW 6082 T6

Ends: Fast Conical connection system  
Connettori conici

Triangular section **heavy duty** aluminium truss with 29 cm long sides  
Traliccio sezione **triangolare** lato 29 cm, in alluminio - impieghi gravosi

Connection system  
SSF03T: Quick connection kit for trinagular series / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	65	131	26	78	131	6	96	132
15	75	115	30	90	115	8	120	115
14	87	100	35	104	100	10	140	101
13	105	93	42	126	93	12	156	85
12	130	82	52	156	82	16	192	76
11	150	69	60	180	69	21	231	66
10	170	57	68	204	57	27	270	55
9	210	50	84	252	50	36	324	47
8	260	41	104	312	41	48	384	39
7	330	34	132	396	34	65	455	30
6	380	26	152	456	26	90	540	22
5	450	17	180	540	17	128	640	15
4	520	10	208	624	10	190	760	9
3	640	5	256	768	5	280	840	5

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T30TS/10	1.70	0,007	10
T30TS/25	2.50	0,018	25
T30TS/50	3.70	0,036	50
T30TS/100	5.80	0,073	100
T30TS/150	7.90	0,109	150
T30TS/200	10.10	0,145	200
T30TS/250	12.30	0,181	250
T30TS/300	14.70	0,218	300
T30TS/350	16.60	0,254	350
T30TS/400	17.30	0,58	400

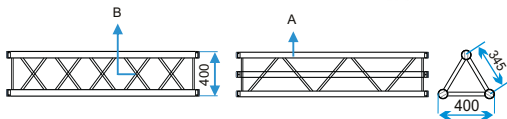


# T40TS

Triangular section heavy duty aluminium truss with 40 cm long sides  
 Traliccio sezione triangolare lato 40 cm, in alluminio - impieghi gravosi

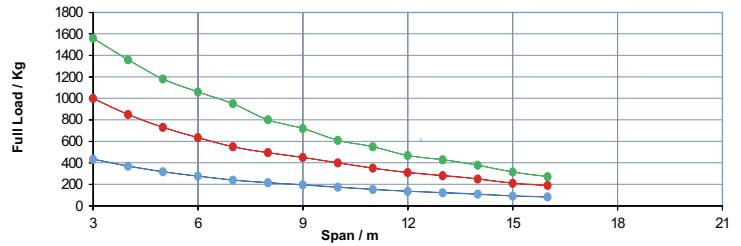
**Connection system**

SSF03T Quick connection kit for triangular truss / Kit di connessione rapida



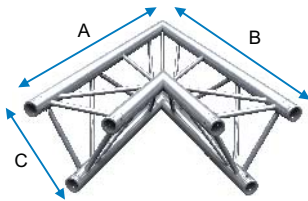
A Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 20x2 mm EN AW 6082 T6

Ends: Fast Conical connection system  
 Connettori conici



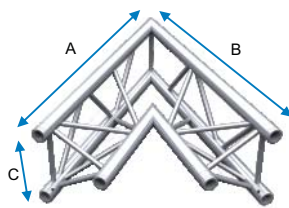
Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	190	100	83	248	100	17	272	98
15	210	90	91	274	90	21	315	87
14	250	81	109	326	81	27	378	78
13	280	70	122	365	70	33	429	71
12	310	58	135	404	58	39	468	61
11	350	51	152	457	51	50	550	52
10	400	42	174	522	42	61	610	42
9	450	34	196	587	34	80	720	34
8	495	25	215	646	25	100	800	25
7	550	21	239	717	21	140	950	19
6	635	15	276	828	15	194	1060	13
5	730	9	317	952	9	240	1180	8
4	850	7	370	1109	7	340	1360	5
3	1000	3	435	1304	3	520	1560	3

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T40TS/10	1.61	0,014	10
T40TS/25	2.10	0,036	25
T40TS/50	2.90	0,072	50
T40TS/100	5.65	0,145	100
T40TS/150	8.30	0,210	150
T40TS/200	11.00	0,280	200
T40TS/250	13.75	0,350	250
T40TS/300	16.60	0,420	300
T40TS/350	19.25	0,490	350
T40TS/400	22.30	0,560	400



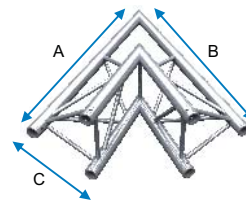
2 way 45° corner  
45° 2 vie

Code	A	B	C	KG
T30TL2/45	100	100	29	5.08
T30TSL2/45	100	100	29	7.20
T40TSL2/45	100	100	40	9.20



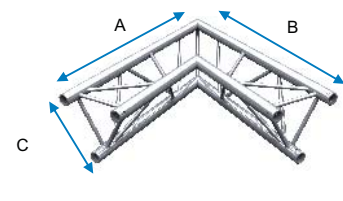
2 way 45° corner internal vertex  
45° 2 vie vertice interno

Code	A	B	C	KG
T30TL2I/45	100	100	29	5.64
T30TSL2I/45	100	100	29	7.30
T40TSL2I/45	100	100	40	9.50



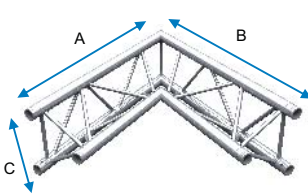
2 way 45° corner external vertex  
45° 2 vie vertice esterno

Code	A	B	C	KG
T30TL2E/45	100	100	29	4.60
T30TSL2E/45	100	100	29	6.70
T40TSL2E/45	100	100	40	8.40



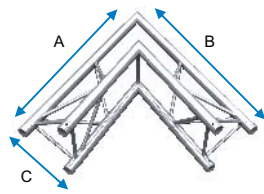
2 way 60° corner  
60° 2 vie

Code	A	B	C	KG
T30TL2/60	100	100	29	5.50
T30TSL2/60	100	100	29	7.20
T40TSL2/60	100	100	40	9.20



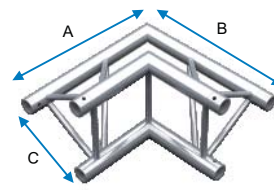
2 way 60° corner internal vertex  
60° 2 vie vertice interno

Code	A	B	C	KG
T30TL2I/60	100	100	29	6.20
T30TSL2I/60	100	100	29	7.40
T40TSL2I/60	100	100	40	9.60



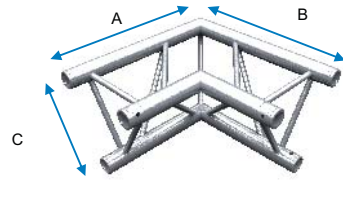
2 way 60° corner external vertex  
60° 2 vie vertice esterno

Code	A	B	C	KG
T30TL2E/60	100	100	29	5.12
T30TSL2E/60	100	100	29	6.90
T40TSL2E/60	100	100	40	8.50



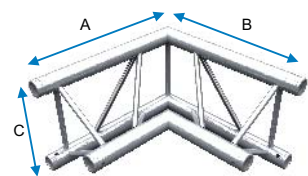
2 way 90° corner external vertex  
90° 2 vie vertice esterno

Code	A	B	C	KG
T30TL2E/90	50	50	29	2.90
T30TSL2E/90	50	50	29	3.60
T40TSL2E/90	50	50	40	4.90



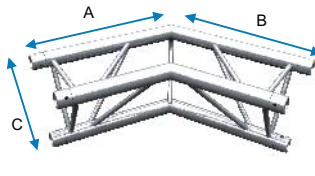
2 way 90° corner  
90° 2 vie

Code	A	B	C	KG
T30TL2/90	50	50	29	3.20
T30TSL2/90	50	50	29	4.20
T40TSL2/90	50	50	40	5.40



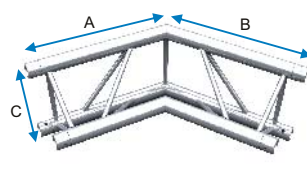
2 way 90° corner internal vertex  
90° 2 vie vertice interno

Code	A	B	C	KG
T30TL2I/90	50	50	29	3.35
T30TSL2I/90	50	50	29	4.95
T40TSL2I/90	50	50	40	6.20



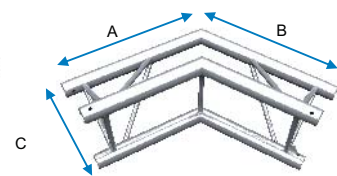
2 way 120° corner  
120° 2 vie

Code	A	B	C	KG
T30TL2/120	50	50	29	3.40
T30TSL2/120	50	50	29	6.10
T40TSL2/120	50	50	40	4.95



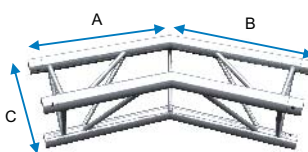
2 way 120° corner internal vertex  
120° 2 vie vertice interno

Code	A	B	C	KG
T30TL2I/120	50	50	29	3.55
T30TSL2I/120	50	50	29	5.20
T40TSL2I/120	50	50	40	7.45



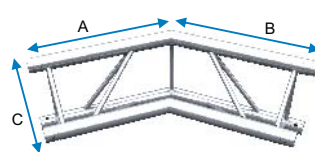
2 way 120° corner external vertex  
120° 2 vie vertice esterno

Code	A	B	C	KG
T30TL2E/120	50	50	29	3.20
T30TSL2E/120	50	50	29	4.20
T40TSL2E/120	50	50	40	5.45



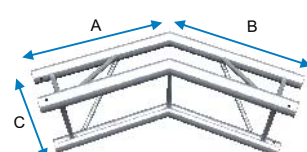
2 way 135° corner  
135° 2 vie

Code	A	B	C	KG
T30TL2/135	50	50	29	3.55
T30TSL2/135	50	50	29	4.20
T40TSL2/135	50	50	40	5.90



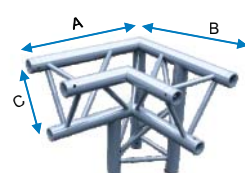
2 way 135° corner internal vertex  
135° 2 vie vertice interno

Code	A	B	C	KG
T30TL2I/135	50	50	29	3.60
T30TSL2I/135	50	50	29	6.35
T40TSL2I/135	50	50	40	7.65



2 way 135° corner external vertex  
135° 2 vie vertice esterno

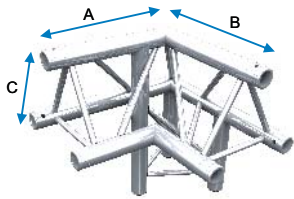
Code	A	B	C	KG
T30TL2E/135	50	50	29	3.40
T30TSL2E/135	50	50	29	4.25
T40TSL2E/135	50	50	40	5.50



3 way 90° corner left vertex on bottom  
90° 3 vie sinistro vertice in basso

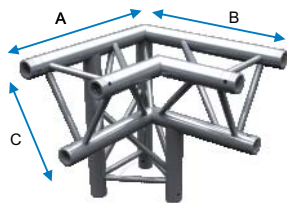
Code	A	B	C	KG
T30TL3S/90	50	50	29	4.57
T30TSL3S/90	50	50	29	6.95
T40TSL3S/90	50	50	40	8.60





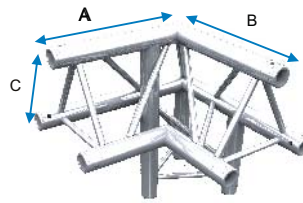
3 way 90° corner left vertex up  
90° 3 vie vertice sinistro in alto

Code	A	B	C	KG
T30TL3SH/90	50	50	29	4.50
T30TSL3SH/90	50	50	29	6.80
T40TSL3SH/90	50	50	40	8.50



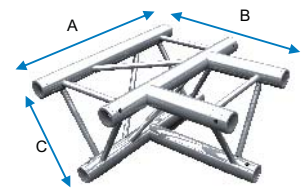
3 way 90° corner right vertex up  
90° 3 vie destro

Code	A	B	C	KG
T30TL3D/90	50	50	29	4.57
T30TSL3D/90	50	50	29	6.50
T40TSL3D/90	100	50	40	8.25



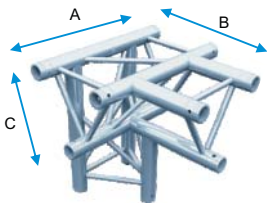
3 way 90° corner right vertex up  
90° 3 vie destro vertice in alto

Code	A	B	C	KG
T30TL3DH/90	50	50	29	4.50
T30TSL3DH/90	50	50	29	6.80
T40TSL3DH/90	50	50	40	8.25



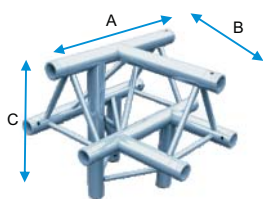
3 way tee  
T 3 vie

Code	A	B	C	KG
T30TLT3	50	50	29	3.50
T30TSLT3	50	50	29	6.05
T40TSLT3	50	50	40	5.55



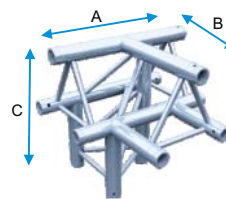
4 way tee  
T 4 vie

Code	A	B	C	KG
T30TLT4	50	50	29	5.10
T30TSLT4	50	50	29	7.70
T40TSLT4	100	50	40	8.00



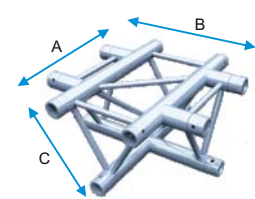
4 way tee corner left vertex up  
T 4 vie vertice sinistro in alto

Code	A	B	C	KG
T30TLT4SH/90	50	50	29	4.90
T30TSLT4SH/90	50	50	29	7.00
T40TSLT4SH/90	100	50	40	8.40



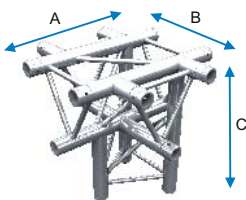
4 way tee corner right vertex up  
T 4 vie vertice destro in alto

Code	A	B	C	KG
T30TLT4DH/90	50	50	29	4.90
T30TSLT4DH/90	50	50	29	7.00
T40TSLT4DH/90	100	50	40	9.40



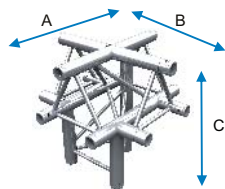
4 way cross  
Croce 4 vie

Code	A	B	C	KG
T30TLX4	50	50	29	4.10
T30TSLX4	50	50	29	7.50
T40TSLX4	100	100	40	10.40



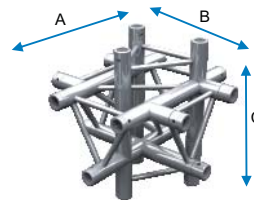
5 way cross  
Croce 5 vie

Code	A	B	C	KG
T30TLX5	50	50	50	5.70
T30TSLX5	50	50	50	8.40
T40TSLX5	100	100	50	12.40



5 way cross vertex up  
Croce 5 vie vertice in alto

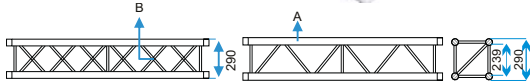
Code	A	B	C	KG
T30TLX5H	50	50	50	5.50
T30TSLX5H	50	50	50	8.65
T40TSLX5H	100	100	50	11.90



6 way cross  
Croce 6 vie

Code	A	B	C	KG
T30TLX6	50	50	50	6.30
T30TSLX6	50	50	50	9.80
T40TSLX6	100	100	50	14.90

## T30Q



A Main tubes / Paralleli Ø 50x2.0 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 16x2.0 mm EN AW 6082 T6

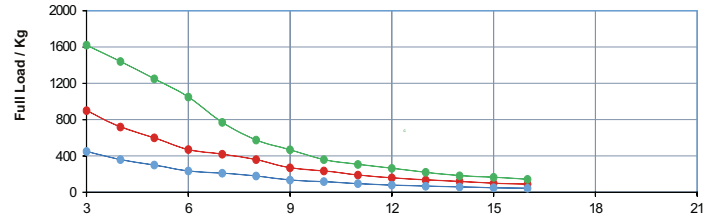
Ends: Fast Conical connection system  
 Connettori conici

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T30Q/10	1.50	0,014	10
T30Q/25	2.26	0,036	25
T30Q/50	3.32	0,072	50
T30Q/100	5.75	0,145	100
T30Q/150	7.87	0,217	150
T30Q/200	9.99	0,291	200
T30Q/250	12.12	0,362	250
T30Q/300	14.24	0,435	300
T30Q/350	16.43	0,507	350
T30Q/400	18.55	0,58	400

Square section aluminium truss with 29 cm long sides  
 Traliccio sezione quadrata lato 29 cm, in alluminio

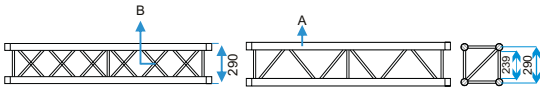
Connection systems

SSF04T Quick connection kit for square series / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	90	117	45	135	117	9	144	109
15	100	104	50	150	104	11	165	97
14	120	90	60	180	90	13	182	87
13	135	80	68	203	80	17	221	75
12	160	71	80	240	70	22	264	67
11	190	63	95	285	63	28	308	58
10	235	55	118	353	55	36	360	49
9	270	47	135	405	47	52	468	46
8	360	38	180	540	38	72	576	38
7	420	29	210	630	29	110	770	33
6	470	20	235	705	20	175	1050	28
5	600	15	300	900	15	250	1250	19
4	720	9	360	1080	9	360	1440	11
3	900	5	450	1350	5	540	1620	6

## T30QS



A Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
 B Diagonals / Trasversali Ø 16x2 mm EN AW 6082 T6

Ends: Fast Conical connection system  
 Connettori conici

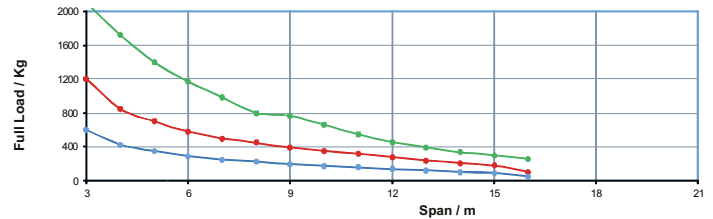
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T30QS/10	1.60	0,014	10
T30QS/25	2.66	0,036	25
T30QS/50	4.17	0,072	50
T30QS/100	7.60	0,145	100
T30QS/150	10.63	0,217	150
T30QS/200	13.60	0,291	200
T30QS/250	16.69	0,362	250
T30QS/300	19.71	0,435	300
T30QS/350	22.83	0,507	350
T30QS/400	25.85	0,58	400

Square section heavy duty aluminium truss twist resistant version with 29 cm long sides

Traliccio sezione quadrata lato 29 cm, in alluminio

Connection systems

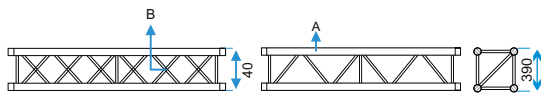
SSF04T Quick connection kit for square series / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
16	101	101	51	152	101	16	256	101
15	180	90	90	270	90	20	300	93
14	210	82	105	315	82	24	336	82
13	240	72	120	360	72	30	390	73
12	280	65	140	420	65	38	456	65
11	320	55	160	480	55	50	550	59
10	350	45	175	525	45	66	660	52
9	390	37	195	585	37	85	765	44
8	450	29	225	675	29	100	800	32
7	500	22	250	750	22	140	980	26
6	580	16	290	870	16	195	1170	19
5	700	11	350	1050	11	280	1400	13
4	850	7	425	1275	7	430	1720	8
3	1200	4	600	1800	4	700	2100	5



# T40QS



**A** Main tubes / Paralleli Ø 50x3 mm EN AW 6082 T6  
**B** Diagonals / Trasversali Ø 20x2 mm EN AW 6082 T6

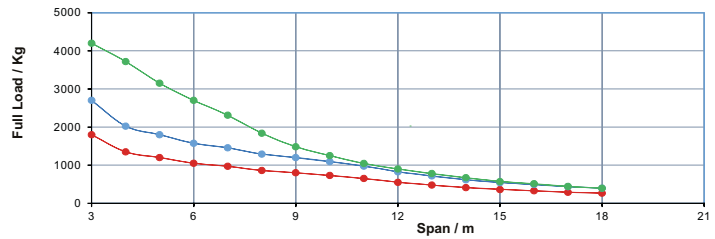
**Ends:** Fast Conical connection system  
*Connettori conici*

Square section heavy duty aluminium truss twist resistant version with 40 cm long sides

Traliccio sezione quadrata antitorsivo lato 40 cm, in alluminio - impieghi gravosi

### Connection systems

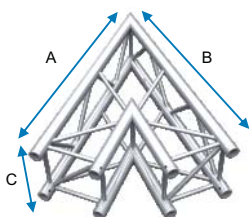
**SSF04T** Quick connection kit for square series / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	265	90	133	398	90	22	396	85
17	290	83	145	435	83	26	442	80
16	330	77	165	495	77	32	512	76
15	360	71	180	540	71	38	570	71
14	410	66	205	615	66	48	672	67
13	480	62	240	720	62	60	780	63
12	550	56	275	825	56	75	900	57
11	650	51	325	975	51	95	1045	51
10	730	43	365	1095	43	125	1250	46
9	800	33	400	1200	33	165	1485	41
8	860	25	430	1290	25	230	1840	36
7	970	20	485	1455	20	330	2310	30
6	1050	13	525	1575	13	450	2700	20
5	1200	9	600	1800	9	630	3150	11
4	1350	5	675	2025	5	930	3720	8
3	1800	3	900	2700	3	1400	4200	4

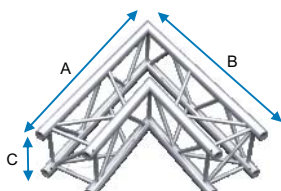
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T40QS/50	4.75	0,014	50
T40QS/100	10.10	0,036	100
T40QS/150	14.22	0,072	150
T40QS/200	17.54	0,145	200
T40QS/250	22.60	0,210	250
T40QS/300	27.01	0,280	300
T40QS/350	31.15	0,350	350
T40QS/400	35.70	0,420	400





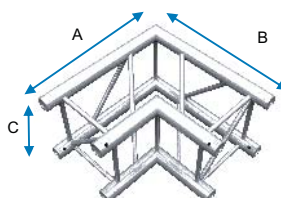
2 way 45° corner  
45° 2 vie

Code	A	B	C	KG
T30QL2/45	100	100	29	6.70
T30QSL2/45	100	100	29	7.70
T40QSL2/45	100	100	40	14.8



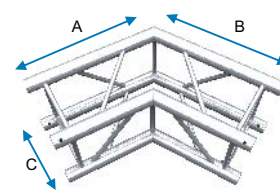
2 way 60° corner  
60° 2 vie

Code	A	B	C	KG
T30QL2/60	100	100	29	7.40
T30QSL2/60	100	100	29	8.90
T40QSL2/60	100	100	40	14.8



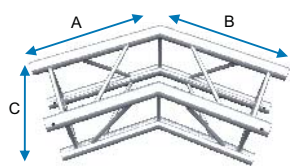
2 way 90° corner  
90° 2 vie

Code	A	B	C	KG
T30QL2/90	50	50	29	4.20
T30QSL2/90	50	50	29	5.80
T40QSL2/90	50	50	40	7.60



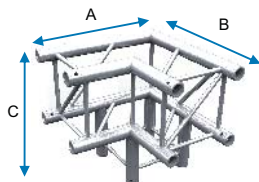
2 way 120° corner  
120° 2 vie

Code	A	B	C	KG
T30QL2/120	50	50	29	4.70
T30QSL2/120	50	50	29	5.60
T40QSL2/120	50	50	40	7.80



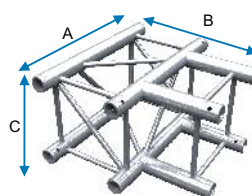
2 way 135° corner  
135° 2 vie

Code	A	B	C	KG
T30QL2/135	50	50	29	4.68
T30QSL2/135	50	50	29	5.70
T40QSL2/135	50	50	40	7.92



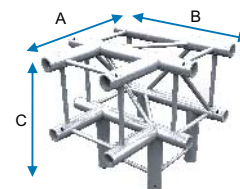
3 way 90° corner  
90° 3 vie

Code	A	B	C	KG
T30QL3	50	50	29	5.50
T30QSL3	50	50	29	6.75
T40QSL3	50	50	40	11.9



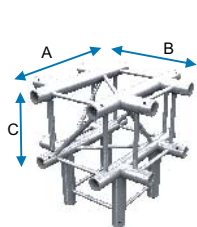
3 way tee corner  
T 3 vie

Code	A	B	C	KG
T30QLT3	50	50	29	4.70
T30QSLT3	50	50	29	5.90
T40QSLT3	50	50	40	11.9



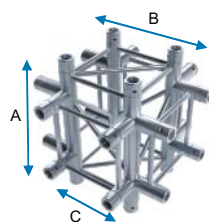
4 way tee corner  
T 4 vie

Code	A	B	C	KG
T30QLT4	50	50	29	6.10
T30QSLT4	50	50	29	7.50
T40QSLT4	50	100	40	16.90



5 way cross  
Croce 5 vie

Code	A	B	C	KG
T30QLX5	50	50	29	6.69
T30QSLX5	50	50	29	7.85
T40QSLX5	100	100	40	19.20



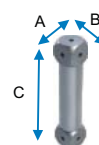
6 way cross  
Croce 6 vie

Code	A	B	C	KG
T30QLX6	50	50	29	7.36
T30QSLX6	50	50	29	9.15
T40QSLX6	100	100	40	22.50



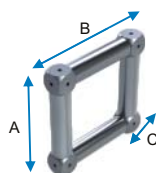
Adjustable 2 way corner  
Angolo variabile a due vie

Code	A	B	C	KG
TSOS30Q	100	29	29	6.75
TSOS30QS	100	29	29	8.76
TSOS40QS	100	40	40	11.89



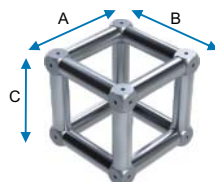
DELTA**Dado2**  
2 - 4 way box corner (2 nodules)  
Raccordo quadro configurabile  
da 2 a 4 vie (2 nodi)

Code	A	B	C	KG
D30-2	5	5	29	1.20
D40T-2	5	5	40	1.50



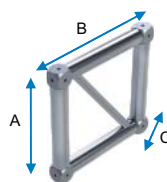
DELTA**Dado4**  
2 - 6 way box corner (4 nodules)  
Raccordo quadro configurabile  
da 2 a 6 vie (4 nodi)

Code	A	B	C	KG
D30-4	29	29	5	3.40
D40-4	40	40	5	4.50



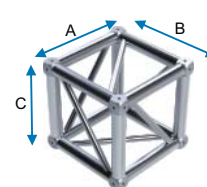
DELTA**Dado8**  
2 - 6 way box corner (8 nodules)  
Raccordo quadro configurabile  
da 2 a 6 vie (8 nodi)

Code	A	B	C	KG
D30-8	29	29	29	8.88
D40-8	40	40	40	12.90



DELTA**Dado 6 way flat corner** (4 nodules)  
Delta**Dado** configurabile a 6 vie (4 nodi)

Code	A	B	C	KG
D30T-4	40	40	5	3.40
D40T-4	40	40	5	4.49

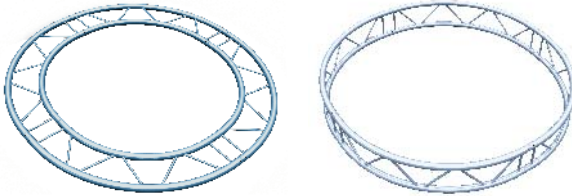


DELTA**Dado8**  
2 - 6 way box corner (8 nodules)  
Raccordo quadro configurabile  
da 2 a 6 vie (8 nodi)

Code	A	B	C	KG
D30T-8	30	30	30	8.80
D40T-8	40	40	40	12.90



## T30PC T40PSC



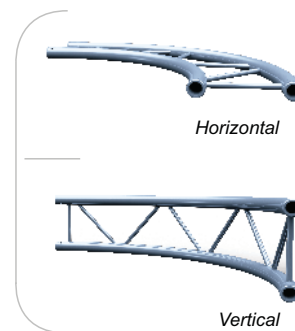
Flat section aluminium circular truss  
*Cerchio con traliccio sezione piana in alluminio*

**Connection system**

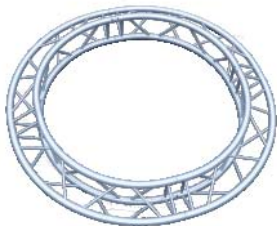
**SSF02T** Quick connection kit for flat series  
*Kit di connessione rapida*

**Ends:** Fast Conical connection system  
*Connettori conici*

Code	Kg	m <sup>3</sup>	Code	Kg	m <sup>3</sup>	Ø External	N. Sections
T30PC2	15.10	0.51	T40PSC2	16.70	0.91	200cm	4
T30PC3	23.40	0.76	T40PSC3	24.90	1.36	300cm	4
T30PC4	29.00	1.02	T40PSC4	34.60	1.81	400cm	4
T30PC5	38.90	1.27	T40PSC5	44.80	2.26	500cm	4
T30PC6	45.70	3.05	T40PSC6	52.70	5.43	600cm	8
T30PC7	54.45	3.60	T40PSC7	61.85	6.34	700cm	8
T30PC8	62.85	4.10	T40PSC8	72.50	7.24	800cm	8
T30PC9	65.70	4.60	T40PSC9	81.90	8.14	900cm	8
T30PC10	81.60	5.08	T40PSC10	90.55	9.05	1000cm	8



## T30TC T40TSC



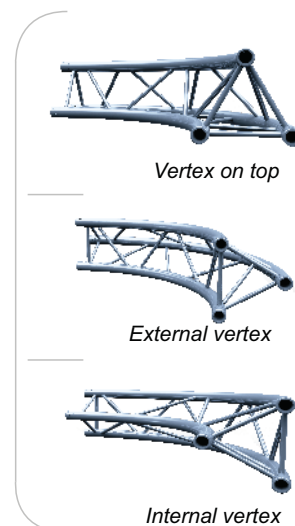
Triangular section aluminium circular truss  
*Cerchio sezione triangolare in alluminio*

**Connection system**

**SSF03T** Quick connection kit for triangular truss  
*Kit di connessione rapida*

**Ends:** Fast Conical connection system  
*Connettori conici*

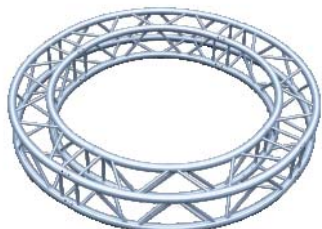
Code	Kg	m <sup>3</sup>	Code	Kg	m <sup>3</sup>	Ø External	N. Sections
T30TC2	21.48	0.48	T40TSC2	31.20	0.86	200cm	4
T30TC3	29.80	0.74	T40TSC3	42.88	1.31	300cm	4
T30TC4	37.68	0.99	T40TSC4	54.50	1.76	400cm	4
T30TC5	45.60	1.25	T40TSC5	66.10	2.25	500cm	4
T30TC6	59.85	3.00	T40TSC6	87.80	5.35	600cm	8
T30TC7	68.24	3.51	T40TSC7	99.30	6.24	700cm	8
T30TC8	76.58	4.01	T40TSC8	110.80	7.15	800cm	8
T30TC9	84.64	4.60	T40TSC9	122.40	8.00	900cm	8
T30TC10	92.90	5.00	T40TSC10	133.70	8.96	1000cm	8



On request it is possible to realize corners and circles for high load series.

**Circles:** Add always a connection set for each section. For circular flat trusses please specify if vertical or horizontal. For circular triangular trusses please specify if vertex is up/down, or internal or external.

**Customized products:** we are able to supply customized pieces or special sizes and shapes of truss.



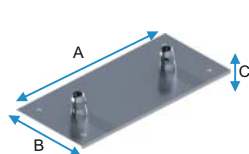
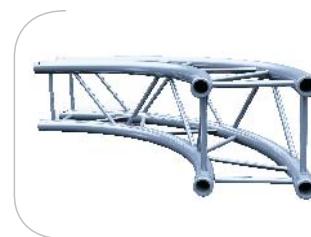
## T30QC T40QSC T40QPC

Square section aluminium circular truss  
Cerchio sezione quadrata in alluminio

**Connection system**  
**SSF04T** Quick connection kit for square truss  
Kit di connessione rapida

**Ends:** Fast Conical connection system  
Connettori conici

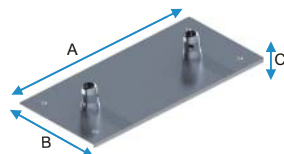
Code	Kg	m <sup>3</sup>	Code	Kg	m <sup>3</sup>	Code	Kg	m <sup>3</sup>	Ø External	N. Sections
T30QC2	25.80	0.51	T40QSC2	36.20	0.91	T40QPC2	46.50	0.91	200cm	4
T30QC3	39.60	0.76	T40QSC3	55.00	1.36	T40QPC3	70.50	1.36	300cm	4
T30QC4	54.30	1.02	T40QSC4	76.40	1.81	T40QPC4	98.00	1.81	400cm	4
T30QC5	68.40	1.27	T40QSC5	97.80	2.26	T40QPC5	125.50	2.26	500cm	4
T30QC6	82.80	3.05	T40QSC6	123.20	5.43	T40QPC6	151.36	5.43	600cm	8
T30QC7	97.50	3.60	T40QSC7	136.70	6.34	T40QPC7	175.44	6.34	700cm	8
T30QC8	112.20	4.10	T40QSC8	161.00	7.24	T40QPC8	206.40	7.24	800cm	8
T30QC9	127.00	4.60	T40QSC9	182.00	8.14	T40QPC9	234.00	8.14	900cm	8
T30QC10	140.00	5.08	T40QSC10	201.00	9.05	T40QPC10	258.00	9.05	1000cm	8



Steel floor plate for flat section trusses

Piastra in acciaio zincato per traliccio piano

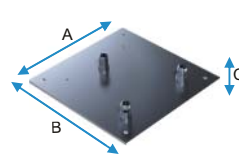
Code	A	B	C	KG
PQA/T30P	20	40	8	5,10
PQA/T40PS	20	40	8	5,10



Aluminium floor plate for flat section trusses

Piastra in alluminio per traliccio piano

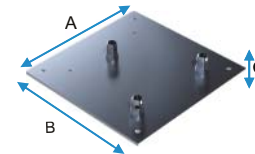
Code	A	B	C	KG
TP30FP	25	50	5	1,90
T40PSFP	25	50	5	1,90



Steel floor plate for triangular section trusses

Piastra in acciaio zincato per traliccio triangolare

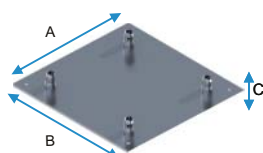
Code	A	B	C	KG
PQA40/T30T	40	40	8	10,15
PQA40/T40T	50	50	8	10,45



Aluminium floor plate for triangular section trusses

Piastra in alluminio per traliccio triangolare

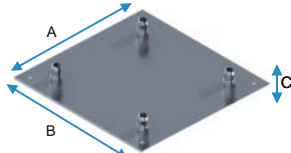
Code	A	B	C	KG
T30TFP	50	50	5	3,65
T40TFP	50	50	5	3,65



Steel floor plate for square section trusses

Piastra in acciaio zincato per traliccio quadrato

Code	A	B	C	KG
PQA40/T30Q	40	40	8	10,20
PQA40/T30QS	40	40	8	10,60



Aluminium floor plate for square section trusses

Piastra in alluminio per traliccio quadrato

Code	A	B	C	KG
T30QFP	50	50	5	3,72
T40QFP	50	50	5	3,72



Aluminium spigot Ø 35.2  
Spinotto Ø 35.2 in alluminio

Code	Length	KG
S/ST	88 mm	0.182



Galvanized steel conical pin with rounded head  
Spina conica con testa arrotondata in acciaio zincato

Code	Length	KG
S/66	66,0 mm	0.040
S91.5	91,5 mm	0.122



Quick connection kit  
Kit di connessione rapida

- SSF02T** Flat section: 2 spigots, 4 pins, 4 safety springs
- SSF03T** Triangular section: 3 spigots, 6 pins, 6 safety springs
- SSF04T** Square section: 4 spigots, 8 pins, 8 safety springs

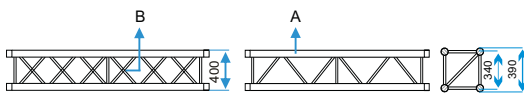


- Kit of half spigots with screw for DELTADado
- Kit di mezzo spinotto con vite per DELTADado
- KD2T** 2 half spigots, 2 bolts, 2pins, 2 safety springs
- KD4T** 4 half spigots, 4 bolts, 4pins, 4 safety springs





## T40QP



**A** Main tubes / Paralleli Ø 50x4 mm EN AW 6082 T6  
**B** Diagonals / Trasversali Ø 25x2 mm EN AW 6082 T6

Ends: Fast Conical connection system  
 Connettori conici

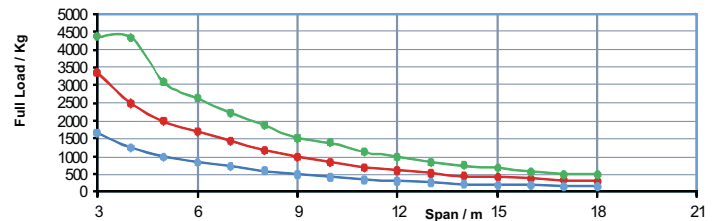
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T40QP/50	5.61	0,08	50
T40QP/100	10.52	0,16	100
T40QP/150	14.77	0,24	150
T40QP/200	18.19	0,32	200
T40QP/250	23.18	0,40	250
T40QP/300	27.44	0,48	300
T40QP/350	31.83	0,56	350
T40QP/400	36.10	0,64	400

Square section high load aluminium twist resistant version truss with 40 cm long sides

Traliccio sezione quadrata lato 40 cm, in alluminio - impieghi gravosi

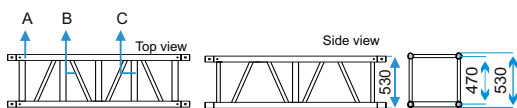
### Connection systems

SSF04T Quick connection kit for square truss / Kit di connessione rapida



Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	305	98	153	458	80	27	486	87
17	335	91	168	503	74	30	510	90
16	375	80	188	563	70	36	576	80
15	415	77	208	623	65	45	675	77
14	440	68	220	660	60	53	742	68
13	530	61	265	795	55	65	845	61
12	610	54	305	915	50	83	996	54
11	690	48	345	1035	45	102	1122	48
10	830	42	415	1245	40	138	1380	42
9	990	36	495	1485	34	168	1512	36
8	1185	30	593	1778	29	234	1872	30
7	1430	23	715	2145	23	317	2219	24
6	1700	19	850	2550	19	437	2622	19
5	1980	15	990	2970	15	615	3075	14
4	2480	11	1240	3720	11	1085	4340	10
3	3350	7	1675	5025	7	1450	4350	6

## T52QS



**A** Main tubes / Paralleli Ø 60x5,0 mm EN AW 6082 T6  
**B** Diagonals / Diagonali Ø 50x4,0 mm EN AW 6082 T6  
**C** Braces / Trasversali Ø 30x3,5 mm EN AW 6082 T6

Ends: Fast Conical connection system  
 Connettori conici

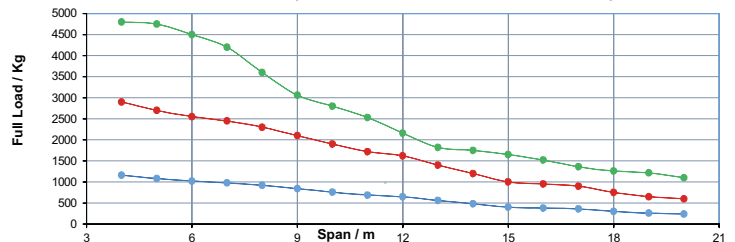
Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T52QS/50	11.00	0,14	50
T52QS/100	20.50	0,27	100
T52QS/150	29.50	0,40	150
T52QS/200	40.00	0,54	200
T52QS/250	47.50	0,68	250
T52QS/300	56.00	0,81	300

Square section high load aluminium truss twist-resistant version with 52cm long sides

Traliccio sezione quadrata antitosivo lato 52cm, in alluminio

### Connection systems

KT52Q Quick connection kit for square truss / Kit di connessione rapida



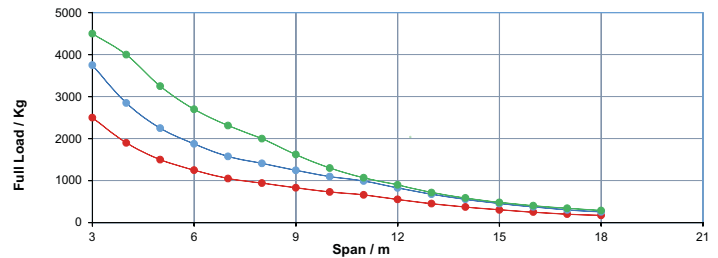
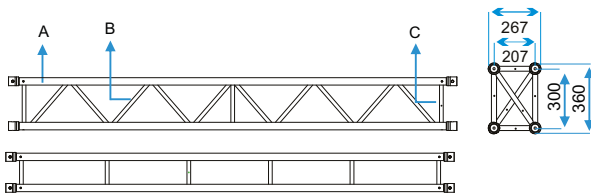
Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
20	600	105	240	720	105	55	1100	119
19	650	96	260	780	96	64	1216	105
18	750	88	300	900	88	70	1260	92
17	900	85	360	1080	85	80	1360	81
16	950	74	380	1140	74	95	1520	73
15	1000	64	400	1200	64	110	1650	64
14	1200	60	480	1440	60	125	1750	54
13	1400	57	560	1680	57	140	1820	45
12	1620	50	648	1944	50	180	2160	41
11	1720	42	688	2064	42	230	2530	37
10	1900	35	760	2280	35	280	2800	31
9	2100	29	840	2520	29	340	3060	27
8	2300	22	920	2760	22	450	3600	22
7	2450	17	980	2940	17	600	4200	16
6	2550	9	1020	3060	9	750	4500	11
5	2700	7	1080	3240	7	950	4750	8
4	2900	4	1160	3480	4	1200	4800	5



**Rectangular** section high load aluminium truss with **36x27** cm long sides  
*Traliccio sezione rettangolare lato 36x27 cm*

**Connection systems**

**KT100** Quick connection kit for rectangular series / *Kit di connessione rapida*



**A** Main tubes / *Paralleli* Ø 50x4,0 mm EN AW 6082 T6  
**B** Diagonals / *Diagonali* Ø 25x3,0 mm EN AW 6082 T6  
**C** Braces / *Trasversali* Ø 25x3,0 mm EN AW 6082 T6

**Ends:** Fast Conical connection system  
*Connettori conici*

Span m	CENTRE POINT LOAD		QUARTER POINT LOAD		UNIFORMLY DISTRIBUTED LOAD			
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
18	170	90	85	255	90	16	288	93
17	200	83	100	300	83	20	340	86
16	250	79	125	375	79	25	400	79
15	300	74	150	450	74	32	480	74
14	370	70	185	555	70	42	588	70
13	450	65	225	675	65	55	715	65
12	550	61	275	825	61	75	900	62
11	660	55	330	990	55	97	1067	55
10	730	45	365	1095	45	130	1300	50
9	830	37	415	1245	37	180	1620	44
8	940	29	470	1410	29	250	2000	38
7	1050	21	525	1575	21	330	2310	29
6	1250	16	625	1875	16	450	2700	21
5	1500	11	750	2250	11	650	3250	15
4	1900	7	950	2850	7	1000	4000	9
3	2500	4	1250	3750	4	1500	4500	4

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T36R/50	4.75	0,042	50
T36R/100	10.10	0,097	100
T36R/150	14.22	0,14	150
T36R/200	17.54	0,19	200
T36R/250	22.60	0,24	250
T36R/300	27.01	0,29	300
T36R/350	31.15	0,34	350
T36R/400	35.70	0,38	400



4 way **cross** - rectangular section  
*Croce 4 vie - sezione rettangolare*

Code	A	B	C	KG
T100RLX4	101	74	74	28,50



**DELTA Dado52**  
 2 - 6 way box corner  
*Raccordo quadro configurabile da 2 a 6 vie*

Code	A	B	C	KG
D52T-2	52	5	5	2.35
D52T-4	52	52	5	8.10
D52T-8	52	52	52	24.50



Quick connection kit for **TITANS**  
*series* : 4 spigot, 8 pins, 8 safety springs

Code	Length mm	KG
KT52Q	105	11.28

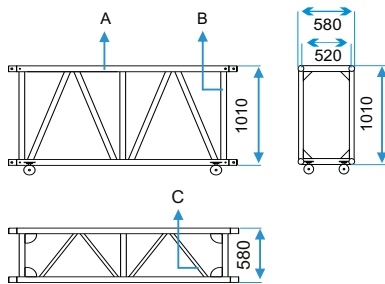
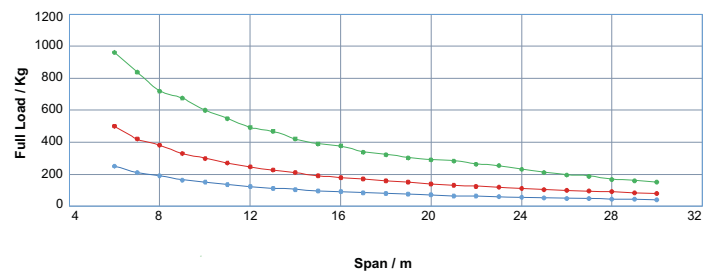


# T100R

Rectangular section aluminium truss with 100x58 cm long sides  
 Traliccio sezione rettangolare lato 100x58 cm, in alluminio

**Connection systems**

KT52Q Quick connection kit for rectangular series  
 Kit di connessione rapida



- A Main tubes / Paralleli Ø 60x5,0 mm EN AW 6082 T6
- B Diagonals / Diagonali Ø 50x4,0 mm EN AW 6082 T6
- C Braces / Trasversali Ø 30x3,5 mm EN AW 6082 T6

Ends: Fast Conical connection system  
 Connettori conici

Span m	CENTRE POINT LOAD		QUARTER POINT LOAD			UNIFORMLY DISTRIBUTED LOAD		
	Full Load Kg	Central deflection mm	Point Load Kg	Full Load Kg	Central deflection mm	Point Load Kg/ml	Full Load Kg	Central deflection mm
30	800	132	400	1200	132	50	1500	146
29	850	123	425	1275	123	55	1595	136
28	900	113	450	1350	113	60	1680	126
27	940	104	470	1410	104	70	1890	121
26	1000	96	500	1500	96	75	1950	110
25	1050	88	525	1575	88	85	2125	104
24	1100	80	550	1650	80	96	2304	97
23	1180	73	590	1770	73	110	2530	91
22	1250	66	625	1875	66	120	2640	82
21	1300	60	650	1950	60	135	2835	75
20	1400	53	700	2100	53	145	2900	66
19	1500	48	750	2250	48	160	3040	58
18	1600	43	800	2400	43	180	3240	52
17	1700	38	850	2550	38	200	3400	45
16	1800	33	900	2700	33	235	3760	42
15	1900	28	950	2850	28	260	3900	35
14	2100	25	1050	3150	25	300	4200	31
13	2250	21	1125	3375	21	360	4680	27
12	2450	18	1225	3675	18	410	4920	22
11	2700	15	1350	4050	15	500	5500	19
10	3000	13	1500	4500	13	600	6000	16
9	3300	10	1650	4950	10	750	6750	13
8	3800	8	1900	5700	8	900	7200	10
7	4200	6	2100	6300	6	1200	8400	7
6	5000	4	2500	7500	4	1600	9600	5

Code	Weight Kg	Volume m <sup>3</sup>	Length cm
T100R/50	14.50	0,29	50
T100R/100	23.50	0,58	100
T100R/150	31.50	0,87	150
T100R/200	43.00	1,16	200
T100R/250	58.00	1,45	250
T100R/300	75.00	1,74	300







**TPT30R** Top for PoliREA30 Tower



**CX30R** Sleeve-block multi compatibility black finish for POLIREA30 tower



**BPT30R** Base module made in black painted steel for POLIREA30 tower with steel hinges set

### POLIREA30 tower

POLIREA30 tower utilizes **T30QS** trusses  
Maximum tower height **700 cm** - Maximum load **1800Kg**

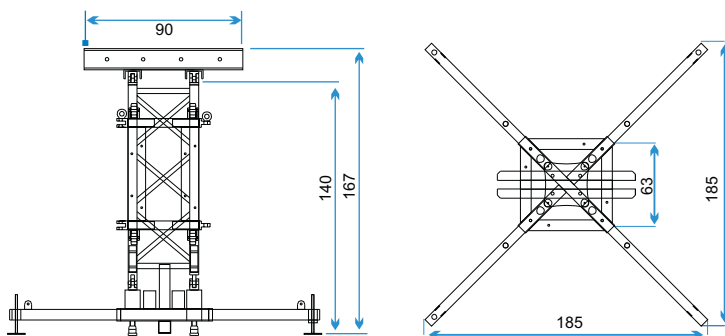
- Base module, made in black painted steel, with anchoring at the base for manual or electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section **heavy duty** aluminium truss twist-resistant version with 30cm long sides - **TITANS** series
- Aluminium sliding sleeve-block **multi-compatibility**, black finish. It is composed of assembled parts, without any weldings and has rounded and cut-resistant shapes.
- Top designed for chain feed

The tower works correct way with 4 stabilizers-bracings.

La torre PoliREA30 utilizza il traliccio **T30QS**  
Massima altezza della torre **700cm** Portata massima **1800Kg**

- Modulo base in acciaio verniciato nero con predisposizione attacco motore, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori con piedini regolabili in altezza per il posizionamento su superfici inclinate e irregolari
- Traliccio antitorsivo **heavy duty** a sezione quadrata, con lato 29cm - **TITANS** series
- Carrello **multi - attacco** in alluminio verniciato nero: è strutturato da parti assemblate e non saldate, presenta forme arrotondate ed antitaglio
- Top progettato per l'escursione della catena

La torre lavora correttamente in combinazione dei bracci di controvento



### PT30R

### TECHNICAL DATA

<b>Base module truss</b>	<b>T30QS/100</b>
<b>Maximum tower height</b>	<b>700 cm</b>
<b>Base module height (excluding support)</b>	<b>140 cm</b>
<b>Compatible trusses</b>	Square 30/40cm trusses
<b>Base Dimensions (folded)</b>	<b>TITANS series</b>
<b>Base Dimensions (open)</b>	63x63 cm
<b>Lifting system (not including)</b>	185x185cm
<b>Maximum lifting load capacity</b>	Electric chain hoist
<b>Volume</b>	<b>1800 kg</b>
<b>Weight</b>	0.75 m <sup>3</sup>
	148 kg



PT40C



TPT40C Top for POLICRIO40 tower



CX40C Sleeve-block multi compatibility black finish for POLICRIO40 tower



BPT40C Base module made in black painted steel for POLICRIO40 tower with steel hinges set

**POLICRIO40 tower**

POLICRIO40 tower utilizes utilizes T40QS trusses  
Maximum tower height **800 cm** - Maximum load **2000Kg**

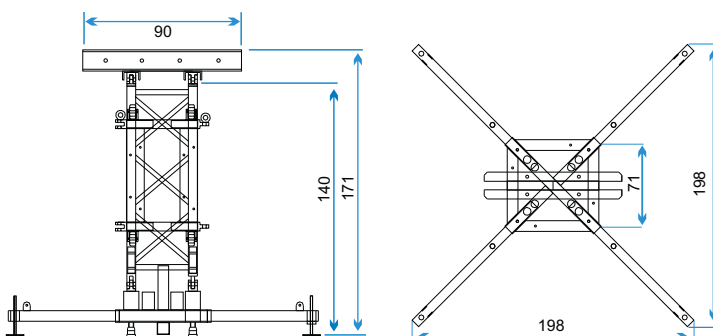
- Base module, made in **black painted steel**, with anchoring at the base for manual or electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section **heavy duty** aluminium truss twist-resistant version with 40cm long sides
- Aluminium sliding sleeve-block multi-compatibility, black finish. It's composed of assembled parts, without any weldings and has rounded and cut-resistant shapes
- Top designed for chain feed

The tower works correct way with 4 stabilizers-bracings.

La torre PolICRIO40 utilizza il traliccio T40QS  
Massima altezza della torre **800 cm** Portata massima **2000Kg**

- Modulo base in **acciaio verniciato nero** con predisposizione attacco motore, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori con piedini regolabili in altezza per il posizionamento su superfici inclinate e irregolari
- Traliccio antitorsivo **heavy duty**, a sezione quadrata, con lato 40cm - TITANSseries
- Carrello multi - attacco in alluminio verniciato nero: è strutturato da parti assemblate e non saldate, presenta forme arrotondate ed antitaglio
- Top progettato per l'escursione della catena

La torre lavora correttamente in combinazione dei bracci di controvento



**PT40C**

**TECHNICAL DATA**

<b>Base module truss</b>	T40QS/100
<b>Maximum tower height</b>	800 cm
<b>Base module height</b>	140 cm
<i>(excluding support)</i>	
<b>Compatible trusses</b>	Square 30/40/52cm
	rectangular T36R trusses
	<b>TITANS series</b>
	71x71 cm
<b>Base Dimensions (folded)</b>	198x198cm
<b>Base Dimensions (open)</b>	
<b>Lifting system (not including)</b>	Electric chain hoist
<b>Maximum lifting load capacity</b>	<b>2000 kg</b>
<b>Volume</b>	1,00 m <sup>3</sup>
<b>Weight</b>	156 kg



**TPT52K** Top for POLIKRONOS tower



**CX52K** Sliding sleeve-block multi-compatibility, black finish for POLIKRONOS tower (T52QS series)



**CX52K100** Sliding sleeve-block multi-compatibility, black finish for POLIKRONOS tower (T100R series)

### POLIKRONOS tower

POLIKRONOS tower utilizes **T52QS** trusses  
Maximum tower height **14 m** - Maximum load **3500 Kg**

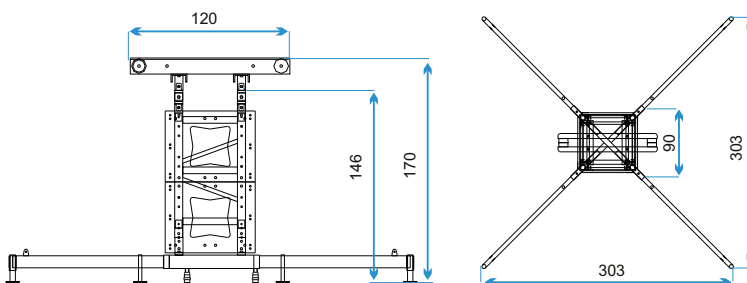
- Base module, made in **black painted steel**, with anchoring at the base for electric chain hoist, 4 wheels for moving easy, steel hinges set, outriggers foot height adjustable for positioning on inclined and irregular surfaces
- Square section **heavy duty** aluminium truss twist-resistant version with 52cm long sides
- Aluminium sliding sleeve-block multi-compatibility, black finish. It's composed of assembled parts, without any weldings and has rounded and cut-resistant shapes.
- Top designed for chain feed

The tower works correct way with 4 stabilizers-bracings.

*La torre PoliKRONOS utilizza il traliccio T52QS  
Massima altezza della torre 14m Portata massima 3500 Kg*

- Modulo base in **acciaio verniciato nero** con predisposizione attacco motore, 4 ruote per un facile spostamento, snodi in acciaio, stabilizzatori con piedini regolabili in altezza per il posizionamento su superfici inclinate e irregolari
- Traliccio **heavy duty** a sezione quadrata, antitorsivo, con lato 52 cm
- Carrello multi-attacco in alluminio verniciato nero: è strutturato da parti assemblate e non saldate, presenta forme arrotondate ed antitaglio
- Top progettato per l'escursione della catena

*La torre lavora correttamente in combinazione dei bracci di controvento*



### PT52K

### TECHNICAL DATA

<b>Base module truss</b>	<b>T52QS/100</b>
<b>Maximum tower height</b>	<b>14 m</b>
<b>Base module height</b> (excluding support)	146 cm
<b>Compatible trusses</b>	Square - Rectangular and Triangular trusses 100/52cm <b>TITANS</b> series
<b>Base Dimensions (folded)</b>	90x90 cm
<b>Base Dimensions (open)</b>	303x303cm
<b>Lifting system (not including)</b>	Electric chain hoist
<b>Maximum lifting load capacity</b>	<b>3500 kg</b>
<b>Volume</b>	1,50 m <sup>3</sup>
<b>Weight</b>	300 kg



**BPT52K** Base module made in black painted steel for POLIKRONOS tower with steel hinges set





## TWT100 T

### TOWERTruss100 high load version

Maximum Height **16m** - Maximum load **2500kg**

**TOWERTruss100** is the largest version of support tower for audio systems of EFESTO.

Based on rectangular **T100R** trusses, square **T52QS** trusses with a stabilizing system of triangular **T30T** trusses - **TITANS** series.

The base of **TOWERTruss100** can be levelled thanks at outrigger feet attached by means of half coupler to the side of the truss base.

This sturdy and stable construction is ideal and safe solution for all sorts of surroundings, like outdoor events, public manifestations and large arenas. The lifting of tower happens electrical hoist.

The mast should be stabilised by means of the braces, which fix to the hinges on the legs.

After the system is build, levelled and ballast is applied, the load can be hoisted in position.

*TOWERTruss100 è la versione più grande di supporto Torre per sistemi audio della Efestò.*

*Utilizza i tralicci rettangolari T100R, i tralicci quadrati T52QS in combinazione con un sistema di stabilizzazione triangolare T30T - TITANS series.*

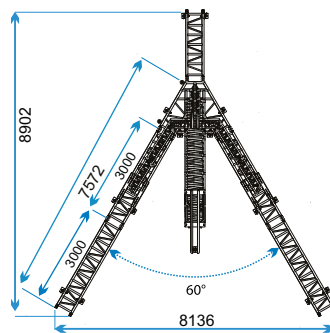
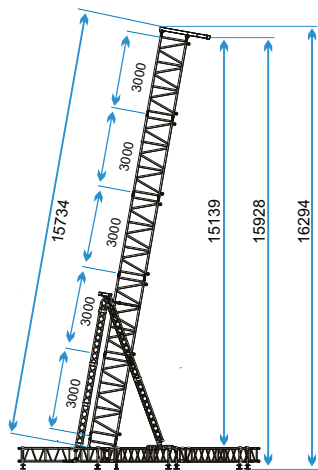
*Questa torre robusta e stabile è la soluzione ideale e sicura per ogni tipo di ambiente ed eventi all'aperto, come manifestazioni pubbliche e grandi arene.*

*La base del TOWERTruss100 viene livellata da piedi stabilizzatori collegati al traliccio base da morsetti.*

*Il sollevamento della Torre avviene mediante paranco elettrico.*

*Il traliccio verticale viene stabilizzato da bracci di rinforzo fermati alla base da posizionatore a slitta*

*Quando il supporto torre è montato, livellato e zavorrato, il carico può essere posizionato e sollevato.*



### TWT100T TECHNICAL DATA

Maximum tower height	16m
Maximum loading capacity <sup>1</sup>	2500kg
Weight	1200 kg
Volume	1,23 m <sup>3</sup>
Lifting system (not included)	electrical chain hoist

<sup>1</sup> Loading data calculated with wind speed of 75km/h

#### Components

<b>BTWT100T</b>	1	Aluminium base module with 4 hinges spigots and outrigger feet
<b>T52QS/300</b>	4	Square <i>twist-resistant</i> truss 52cm, length 300cm
<b>T52QS/200</b>	1	Square <i>twist-resistant</i> truss 52cm, length 200cm
<b>T100R/300</b>	5	Rectangular truss 100cm length 300c
<b>KS/ST2</b>	8	2mm spacers kit
<b>S91/F</b>	8	Conical pin length 91,5mm with safety springs
<b>TPT100T</b>	1	Steel top with 2 wheels, black finish for TowerTruss100
		<i>Stabiliser section</i>
<b>T30T/150</b>	2	Triangular truss 29cm, length 150cm
<b>T30T/200</b>	1	Triangular truss 29cm, length 200cm
<b>T30T/250</b>	2	Triangular truss 29cm, length 250cm
<b>T30T/300</b>	2	Triangular truss 29cm, length 300cm
<b>T30TLT3/102</b>	1	Triangular corner 29cm - 3 way tee
<b>SSF03T</b>	7	Quick connection system for T30T series
<b>STWT100T</b>	2	Sled adjustable positioning for stabilizers bracing
<b>KT52Q</b>	5	Quick connection system for T52Q series
<b>KT52Q/1</b>	8	Quick connection system for T52Q series
<b>C35F150</b>	1	Belt ratchet, length 150cm

#### BTWT100T

Aluminium base module with 4 hinges spigots and outrigger feet

#### TPT100T

Steel top with 2 wheels, black finish for TowerTruss100



#### STWT100T

Sled adjustable positioning for stabilizers bracing



#### KS/ST2

2mm spacers kit:  
1 aluminium 2 mm spacer, 2 pins,  
2 safety springs  
(to 2mm to 100mm in steps of 10 mm)





Diagonal bracings Ø50x3mm adjustable with half couplers  
Braccio di controvento Ø50x3 mm versione regolabile con Aliscaf

Code	Length mm	KG
BCV200R	2000	3.50
BCV250R	2500	5.10
BCV300R	3000	6.20



Diagonal bracings Ø50x3mm with half coupler  
Braccio di controvento Ø50x3mm con Aliscaf

Code	Length mm	KG
BCV200	2000	3.50
BCV250	2500	5.20
BCV300	3000	6.30



Diagonal brace Ø50x3mm with hook clamps  
Braccio di rinforzo Ø50x3mm con Aliscaf

Code	Length mm	KG
B/100	1000	1.50
B/200	2000	3.00
B/300	3000	4.30



Aluminium reinforced tube Ø50x2mm with conical connectors  
Tubo di rinforzo in alluminio Ø50x2mm con connettori conici

Code	Length mm	KG
T502B26,5	265	0.49
T502B180	1800	1,7
T502B195	1950	1,8



Steel outrigger foot version short  
Piede stabilizzante in acciaio versione corta

Code	Length mm	KG
PST30	331	1.76



Steel outrigger foot, folding version  
Piede stabilizzante in acciaio, versione regolabile  
▪ Ideal solution for structure mounting with **attack Relax** device

Code	Length mm	KG
PST3040	1070	5.8



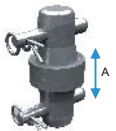
Quick connection kit for TITANS series : 1 spigot, 2 pins, 2 safety springs

Code	Length mm	KG
KT52Q/1	105	0.704



Quick connection kit for TITANS series : 1 spigot, 2 pins, 2 nuts

Code	Length mm	KG
KT52Q/F12/1	105	0,534



Spacers kit:  
1 aluminium spacer, 2 pins, 2 safety springs  
▪ To 2mm to 100mm in steps of 10mm

Code	Length mm	A	KG
KS/ST10	115	10	0.754
KS/ST20	125	20	0.790
KS/ST50	155	50	1.050



Half conical coupler kit for TITANS series : 1 half conical coupler, 1 pin, 1 bolt, 1 safety spring

Code	Length mm	KG
M02T	52	0.6



Steel conical pin thread M12 with self-locking nut and washer

Code	Length mm	KG
SF91/F	84	0.11



Aluminium hinge Ø 60mm

Code	Length mm	Hole	KG
ST01A/60F0	215	0°	3.00
ST01A/60F90	215	90°	3.00



Quick conical connection Kit for PoliKronos52 and PoliCrio40 tower : 4 bushings, 4 bolts, 4 nuts, 4 washers

Code	Length mm	KG
KB60	149	2.00



Aluminium conical connector

Code	Length mm	KG
B50L75T	Ø 49x 75	0.24
B50L90R	Ø 49x 90	0.26
B60L80	Ø 59x 80	0.34
B60L112	Ø 59x112	0.46



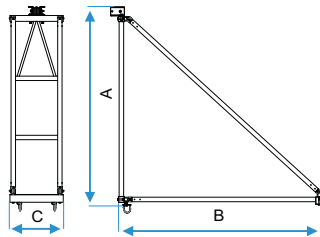
Aluminium conical connector :1 bushing, 1 bolt, 1 nut and 2 washers

Code	Length mm	KG
KB50L75D32T/1	Ø 49x155	0.40
KB50L90T	Ø 49x139	0.45



Aluminium double conical connectors: 2 bushings, 1 bolt, 1 nut and 2 washers

Code	Length mm	KG
KB50L75D32T/2	Ø 49x198	0.70



Aluminium help erecting system by electrical chain hoist

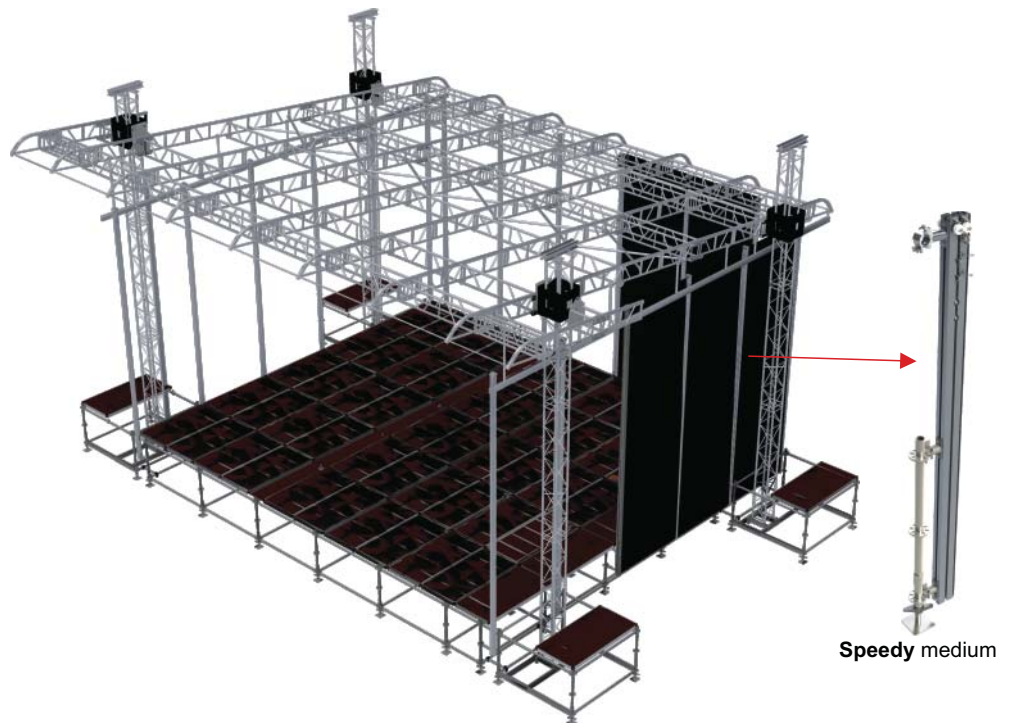
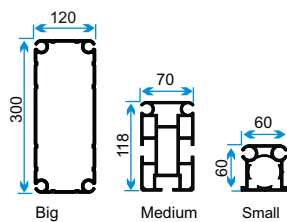
Code	A	B	C	KG
PT52KLI	262cm	274cm	72cm	75.00



**TRUSSHINE**  
Cleaner for aluminium shining truss

## SPEEDY SIDE *family*

### Joints



### Speedyside *Simple closures systems*

**Speedyside family**, available in three special shapes and different dimensions of aluminium profile (*big, medium and small*), is a ideal solution for easy and fast **sidewalls** configuration of scaffolding or roof systems.

The components **Speedyside family** stand out for different heights, modularity (*length 200, 300 or 400 cm*) and performances; these have a built upper rail profile ideal for a easy scroll the pvc sheets or different cover system (for example scrim or advertising posters).

Installation is fast, sure and clean because the components are fixed to scaffolding or roof systems by joints suitable.

Covering the **wall sides**, **Speedyside family** secures the structures from wind, rain and any other environmental factor: of course can make protected backstage areas.

Depending on the type of roof, sidewalls have to be removed above certain wind speeds.





ROOF  
*systems*

# ROOF *systems*

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## ROOF *systems*

### **Structures and custom solution for events**

The solutions safe and high-performance of roof systems available are numerous both for dimensions and typologies. Easy to build, these structures consist almost entirely of **standard components**.

They are equipped with self-extinguishing roofing sheets, wind bracing and ballast accessories.

## GAZEBO roof systems



### GAZEBO roof systems

GAZEBO roof systems are solutions designed to offer a standard modularity.

Small roof systems available in 3 different standard sizes, build as a fixed portal structure, based on square section truss 29 cm or 40 cm SUPERiòR series.

They are ideal solutions for small events or exhibition stands.

The risers are fixed on aluminium or galvanized steel floor.

The canopy is a single fireproof pvc sheet and must be fixed to the perimeter of the structures by ratchets belts.

Installation times are quick and easy.

#### Struttura gazebo doppia falda

Sistemi di copertura GAZEBO sono soluzioni progettate per offrire una modularità standard.

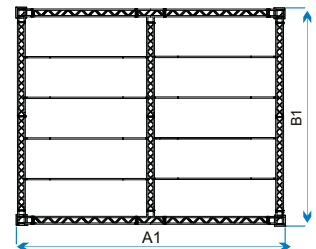
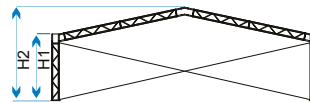
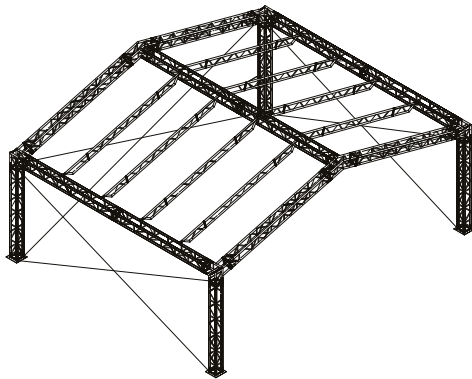
Piccole soluzioni di copertura disponibili in 3 diverse dimensioni standard, costruite come una struttura a portali fissi, usano come modulo base il traliccio quadrato con lato 29 centimetri o 40 centimetri - SUPERiòR series.

Soluzioni ideali per piccoli eventi o stand espositivi.

Le alzate sono fissate su piastre in alluminio o in acciaio zincato.

Il telo unico ed in pvc ignifugo viene fissato al perimetro della struttura da cinghie e cricchetti.

I tempi di installazione sono facili e veloci.



	E1008G	E1210G	E1412G
Uniformly distributed load <sup>1</sup>	720 kg	450 kg	520 kg
Weight	1160 Kg	1540 kg	1610 kg
Volume	13 m <sup>3</sup>	31 m <sup>3</sup>	38 m <sup>3</sup>
Covered area	80 m <sup>2</sup>	120 m <sup>2</sup>	168 m <sup>2</sup>
Towers ( 4 fixed legs)	3,5 m	3,5 m	3,5 m
Maximum height (vertex)	4,50 m	4,70 m	4,90 m
Vertical truss	S30	S30	SS40A
Horizontal truss	S30 - P30	S30 - P30	SS40 - P30
Flat crossbars	P30	P30	P40
Roofing sheet		650g/mq	

	E1008G	E1210G	E1412G
A 1 - B 1	10,10 x 8,10 m	12,10 x 10,10 m	14,10 x 12,10 m
H 1 - H 2	3,50 - 4,50 m	3,50 - 4,70 m	3,50 - 4,90 m

<sup>1</sup> Loading data calculated with wind speed of 75km/h

EFESTO company makes a large and different range of roof systems: single pitch, double pitch, arcs and simple roof systems.

The structures stand out for design and for the different type of lifting tower used. The lifting system happens by manual or electric chain hoists (for example: **Torre30** uses the manual lifting system, **Poli30 tower** and **Poli40 tower** use manual or electric chain hoists).

EFESTO's structures using standard trusses types, allow to be reuse them in different applications. There can be, however, the situations where it's required the use of the custom trusses. EFESTO **builds special roof systems on request**. It's able to offer a solution and design of constructions for all your needs. The central flat trusses are only support sheets roof and not should have any loads. The sheets roof are available in different colors and is fixed to the perimeter with belts tensioners. Wind, rain and snow may limit the use of structures on the environments outside.

The use of **ballast systems** on the ground is the important rule for safely operate. Each EFESTO structure is certified according to the current regulations.





## SPEEDY Roof



### SPEEDY Roof Simple roof systems

SPEEDY Roof is a easy and quick roof system.

SPEEDY Roof is designed to offer a viable and cheaper alternative to traditional roofing systems.

SPEEDY Roof is available in 2 different versions with maximum depth of 4 metres side: **linear** and **arc versions**.

The advantage of this roof is the adaptability to each type of structure thanks to the use of steel couplers **GC/02**, that allow to connect SPEEDY Roof to every type of stand.

The structure is made with built-in guides for inserting roof pvc cover sheets.

SPEEDY Roof is made according to the highest security standards required for this type of structure.

#### Soluzioni semplici di copertura

*SPEEDY Roof è un sistema di copertura facile e veloce.*

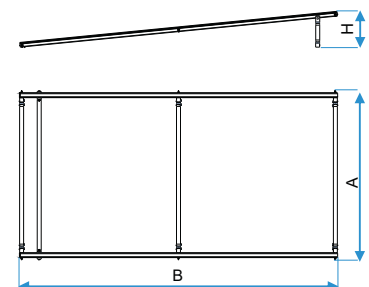
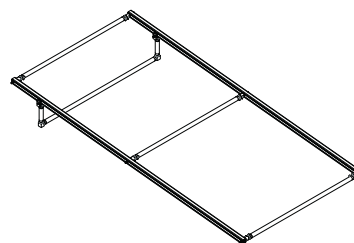
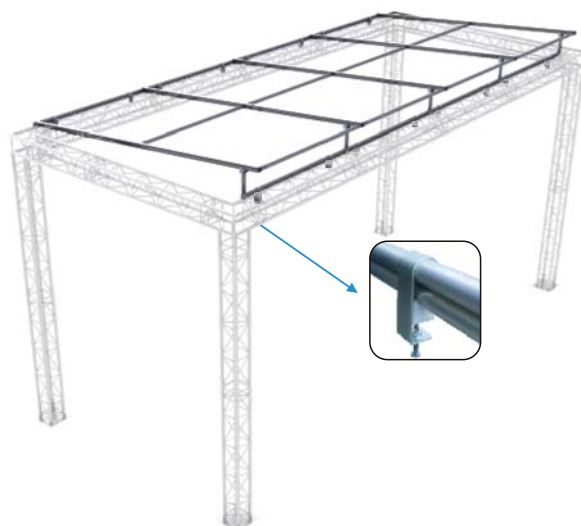
*Il tetto SPEEDY Roof è progettato per offrire una valida e più economica alternativa ai sistemi di copertura tradizionali.*

*SPEEDY Roof è disponibile in 2 diverse versioni con profondità del lato massima di 4 metri: **versione lineare** e ad **arco**.*

*Il vantaggio di SPEEDY Roof è l'adattabilità ad ogni tipo di struttura grazie all'utilizzo di accoppiatori in acciaio **GC/02**, che permettono di collegare il tetto ad ogni tipo di supporto base.*

*La struttura è realizzata con guide incorporate per l'inserimento e l'estrazione veloce del telo in pvc.*

*SPEEDY Roof è realizzato secondo i più elevati standard di sicurezza richiesti per questo tipo di struttura.*



Linear version

#### RS0204L

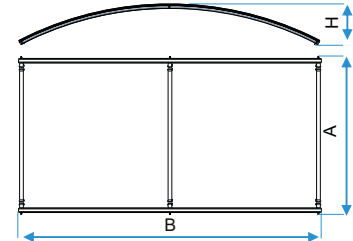
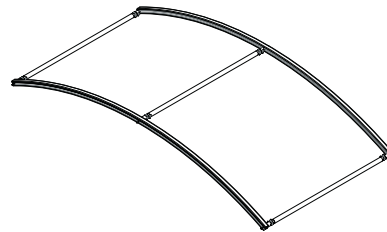
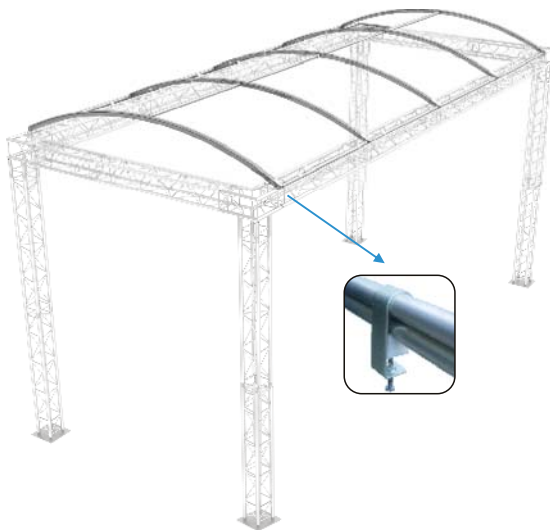
Weight	40 kg
Volume	90 m <sup>3</sup>
Covered area	8.20 m <sup>2</sup>
Maximum height	0.449 m
Maximum depth (A)	4 m
Vertical truss	All kind of trusses
Horizontal components	TS
Roofing Sheet	650g/mq

#### RS0204L

A	2.05 m
B	3.98 m
H	0.45 m

# SPEEDY Roof

*Arc version*



## RS0204A

Weight	36 kg
Volume	0.035 m <sup>3</sup>
Covered area	8.23 m <sup>2</sup>
Maximum height	0.544 m
Maximum depth (A)	4 m
Vertical truss	All kind of trusses
Horizontal components	TS
Roofing Sheet	650g/mq

## RS0204A

A	2.05 m
B	4.00 m
H	0.54 m



Conical connector kit Ø 50 mm, lenght 75mm  
Kit boccola Ø 50 mm, lunghezza 75mm

Code	Dimensions(mm)	Weight (Kg)	Vol.(m <sup>3</sup> )
<b>KB50L75D32</b>	155x49x49	0.40	0.0002



Steel hook double coupling  
Gancio in acciaio con doppio attacco

Code	Dimensions(mm)	Weight (Kg)	Vol.(m <sup>3</sup> )
<b>GC/02</b>	185x50x60	0.58	0.00056



Half spigot Ø 34mm kit  
Kit mezzo bussolotto Ø 34mm

Code	Dimensions(mm)	Weight (Kg)	Vol.(m <sup>3</sup> )
<b>KD2T</b>	67x66x34	0.21	0.000015



Linear with upper rail for pvc sheet  
Profilo scorritelo lineare

Code	Dimensions(mm)	Weight (Kg)	Vol.(m <sup>3</sup> )
<b>TS60/400T/1</b>	4000x60,2x59,330	10.50	0.014



Aluminium connection tube  
Tubo di giunzione in alluminio

Code	Dimensions(mm)	Weight (Kg)	Vol.(m <sup>3</sup> )
<b>T502B265</b>	265x50x50	0.48	0.0005
<b>T502B180</b>	1800x50x50	1.69	0.0035
<b>T502B195</b>	1950x50x50	1.80	0.0075



Arc with upper rail for pvc sheet  
Profilo scorritelo arcuato

Code	Dimensions(mm)	Weight (Kg)	Vol.(m <sup>3</sup> )
<b>TS60A/400</b>	4000x60,2x59,3	12.5	0.016
<b>TS60A/500</b>	5000x60,2x59,3	12.5	0.016



Steel hook with upper rail for pvc sheet  
Gancio a C per profilo scorritelo  
in acciaio zincato

Code	Dimensions(mm)	Weight (Kg)	Vol.(m <sup>3</sup> )
<b>GCS/M2T</b>	124x140x50	0.81	0.00087







## KòSMOSFERA



### **KòSMOSFERA**

*Beautiful and elegant design for large spaces cover*

Large surface, unlimited and closed in the KòSMOSFERA's harmonic spaces. This is a scenographic and architectural solution suitable for every needs.

KòSMOSFERA, easy and quick to mount, makes exclusive every events. Ideal solution for create receptions spaces ,weddings and all kinds of parties .

The combination of more modules allow to create large covered areas of different shapes.

*Forme ricercate ed eleganti per la copertura di grandi spazi*

*Superficie macrosfera, illimitata e finita nello spazio armonico di KòSMOSFERA: la soluzione scenografica ed architettonica per ogni esigenza di copertura spazio.*

*Elegante e ricercata nelle forme, di facile e veloce montaggio, KòSMOSFERA "veste a festa la festa". Ideale per creare spazi per ricevimenti, matrimoni, feste di ogni genere.*

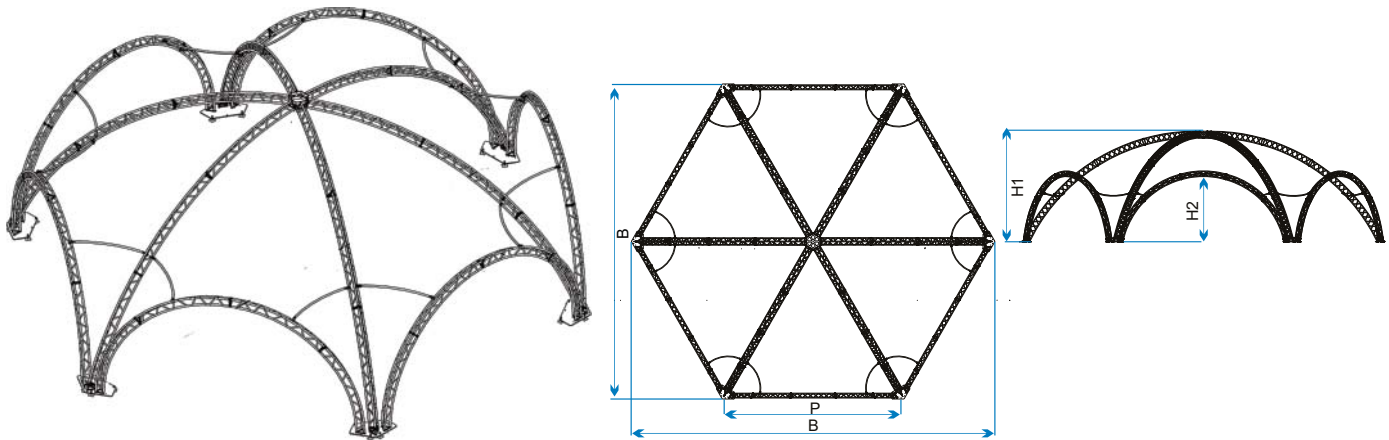
*La giustapposizione di moduli dimensionali diversi consente la creazione di coperture di grande varietà formale, inscrivendosi in ogni contesto con indubbia eleganza.*

### Advantages

- **Modularity** The combination of similar modules allows many possible applications
- **Harmony** Form's harmony of cross vault, is suitable for every environment
- **Form and Space relationship** The particular forms allow to better exploit the covered spaces
- **Safety** KòSMOSFERA is realized according current regulations







	K6 1313H5P6	K6 1717H6P8	K6 2222H6P10	K6 2525H7P12
Uniformly distributed load <sup>1</sup>	600 kg	500 kg	550 kg	450 kg
Weight	800 Kg	1100 kg	1800 kg	2200 kg
Volume	11,40 m <sup>3</sup>	12,80 m <sup>3</sup>	20,50 m <sup>3</sup>	34 m <sup>3</sup>
Covered area	120 m <sup>2</sup>	180 m <sup>2</sup>	300 m <sup>2</sup>	360 m <sup>2</sup>
Vertical truss	TRET30	TRET30	TRET40	TRET52
Door truss	TRE30	TRE30	TRE30	T40TS
Roofing sheet			650g/mq	

	K61313H5P6	K61717H6P8	K62222H6P10	K62525H7P12
B1-B2	13.30x11.67m	17.30x15.13m	22.10x19.15m	25x21.66m
H1-H2	4.62- 3m	6-4m	6,30,-4,40m	7.50-4.42m
P	6m	8m	10m	12,50m

<sup>1</sup> Loading data calculated with wind speed of 75km/h

## Variants

**METAKòSMO**



**MULTIKòSMO**



**KòSMOSFERA with closures**





## SINGLE PITCH roof systems



### SINGLE PITCH roof systems

SINGLE PITCH roof systems consist almost entirely of standard components and are easy to assemble. **Mid** roof systems available in 3 different standard sizes, based on square section truss 29 cm or 40 cm **SUPERiòR** series

They are ideal solutions for temporary and permanent installations.

The whole systems, using the towers suitable, can be raised with either manual winch or chain hoists. They can be fitted with **lateral wings** for hanging audio and video systems. The assembly of the structure happens at ground, including the fastening of the cover sheet to the perimeter of the structure.

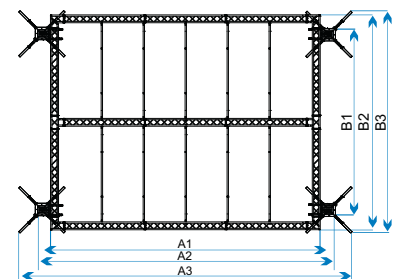
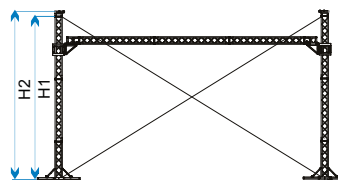
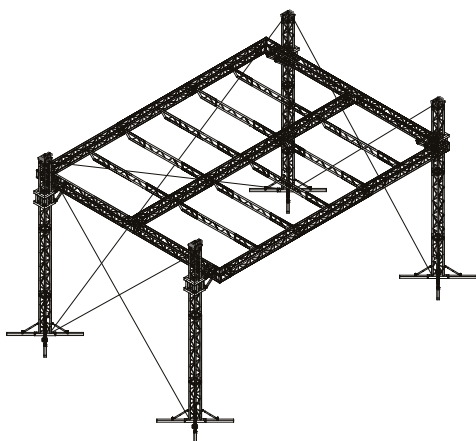
#### Struttura coperta unica falda

Le strutture ad un'unica falda sono configurate con componenti modulari standard facili da assemblare. Soluzione di copertura media, disponibile in tre diverse dimensioni, utilizza il modulo quadrato con lato 29 o 40 cm della **SUPERiòR** series.

Sono le soluzioni ideali per installazioni temporanee e permanenti.

L'intera struttura, usando la torre adatta, può essere sollevata con l'argano manuale o con paranchi.

Il sistema di copertura unica falda può essere dotato di alette laterali per appendere sistemi audio e video. Il montaggio della struttura avviene a terra, compreso il fissaggio del telo al perimetro della struttura.



	E1008	E1210	E1412
Uniformly distributed load <sup>1</sup>	900 kg	1100 kg	1300 kg
Weight	670 Kg	1900 kg	2000 kg
Volume	12 m <sup>3</sup>	23 m <sup>3</sup>	35 m <sup>3</sup>
Covered area	80 m <sup>2</sup>	120 m <sup>2</sup>	168 m <sup>2</sup>
Maximum tower height	6,72 m	7,55 m	8,55 m
Towers	T30	PT30	PT30
Vertical truss	S30	SS30A	SS40A
Horizontal truss	S30 - P30	SS30 - P30	SS40 - P30
Roofing sheet		650g/mq	

	E1008	E1210	E1412
A 1 - B 1	10,00 x 8,00 m	12,00 x 10,00 m	14,00 x 12,00 m
A 2 - B 2	11,10 x 7,00 m	11,56 x 7,10 m	14,50 x 9,10 m
A 3 - B 3	12,35 x 8,30 m	14,35 x 10,40 m	16,96 x 12,52 m
H 1	6,50 m	7,00 m	8,35 m
H 2	6,72 m	7,50 m	8,60 m

<sup>1</sup> Loading data calculated with wind speed of 75km/h



## SINGLE PITCH large roof systems



### SINGLE PITCH *large* roof systems

SINGLE PITCH *large* roof system is consist almost entirely of standard components and is easy to assemble.

**Large** roof system available in standard size 14x12 height 8 m.

Based on square section **high load** truss **SS40P** series and rectangular section **S52R** series.

The main grid uses a triangular section truss: this is stronger than a flat trusses structure.

The triangular trusses are fixed to the base structure by steel anchor plates.

Simple and strong solution to solve the problem to interrupt the continuity of the depth of the base structure caused by the use of the corners or box corners.

This is ideal solutions for temporary and permanent installations.

The whole system using the towers suitable, can be raised with either manual winch or electrical chain hoists.

This can be fitted with lateral wings for hanging audio and video systems.

The assembly of the structure happens at ground, including the fastening of the cover sheet to the perimeter of the structure.

### Struttura coperta unica falda versione ampie dimensioni

*Sistema di copertura ad unica falda, versione ampie dimensioni, è composta quasi interamente da componenti standard di facile montaggio.*

*Questo sistema di copertura è disponibile nel formato standard di dimensione 14x12m altezza 8 m.*

*Basato sull'impiego del modulo quadrato ad elevate prestazioni con lato 40cm SS40Pe sezione rettangolare S52R.*

*La griglia principale utilizzando un traliccio di sezione triangolare risulta più forte e compatto.*

*Le strutture triangolari sono fissati alla struttura di base tramite piastre di ancoraggio in acciaio. Soluzione semplice e forte per risolvere il problema della interruzione della continuità della profondità della struttura data dall'impiego di angoli o dadi.*

*Questa è la soluzione ideale per installazioni temporanee e permanenti.*

*L'intero sistema, utilizzando le torri adatte, può essere sollevato sia con argano manuale o paranchi elettrici.*

*Questo può essere dotato di alette laterali per appendere sistemi audio e video.*

*Il montaggio della struttura avviene a terra, compreso il fissaggio del foglio di copertura al perimetro delle strutture.*



#### PQA30L

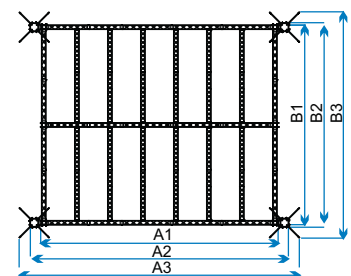
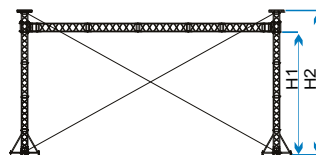
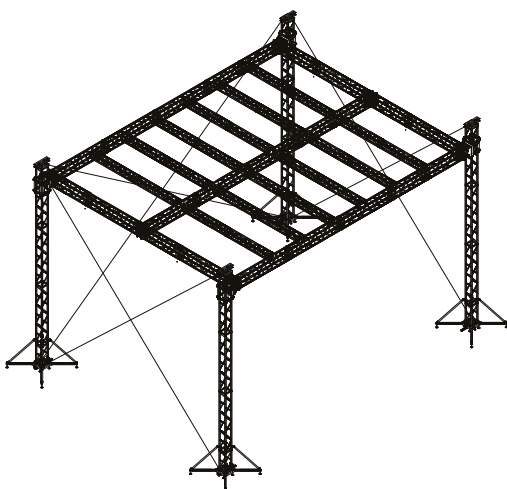
Galvanized steel anchor plate suitable for trusses with 30cm long side size 300x300x8 mm



#### L4052 Relax attack

Inclination device - automatic help connection sleeve block to roof structure

- Side attack 40- 52
- Side attack 52 - 52R



#### H1412H9

Uniformly distributed load <sup>1</sup>	1460 kg
Weight	3141 kg
Volume	90 m <sup>3</sup>
Covered area	173,30 m <sup>2</sup>
Maximum height tower	8,66 m
Towers	<b>Poli40Plus2</b> tower
Vertical truss	S52R
Horizontal truss	SS40P
Roofing Sheet	650g/mq
Lifting system	Electrical chain hoist

#### H1412H9

A1 - B1	14,24 x 12,11 m
A2 - B2	15,55 x 12,27 m
A3 - B3	16,86 x 13,48 m
H1	7,32 m
H2	8,66 m





## DOUBLE PITCH *roof systems*



### DOUBLE PITCH *roof systems*

DOUBLE PITCH *roof systems* are a standard solutions highly versatile and easy use for different applications

**Mid roof systems** available in 3 different standard sizes, based on square section *heavy duty* truss 29cm or 40cm - **SUPERiOR** series  
They are safe solutions with high performance.

The whole systems, using the towers suitable, can be raised with either manual winch or chain hoists.

The top corner of the roof is composed of a **DELTA box** with connectors spacers and hinges kit.

Simple and strong solution to solve the problem to coupling the gable to the base structure.

They can be fitted with **lateral wings** for hanging audio and video systems.

The assembly of the structure happens at ground, including the fastening of the cover sheet to the perimeter of the structures.

#### **Struttura coperta doppia falda**

*La struttura configurata con componenti modulari standard, risulta altamente versatile e di facile reimpiego.*

*Soluzioni di copertura **media**, disponibili in tre diverse misure standard e baste sull'utilizzo del modulo quadrato heavy duty con lato 29 o 40 cm **SUPERiOR** series.*

*Sono soluzioni sicure con elevate prestazioni.*

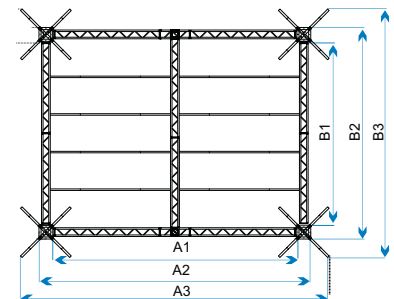
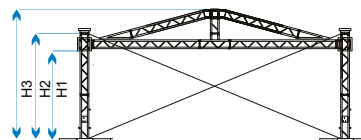
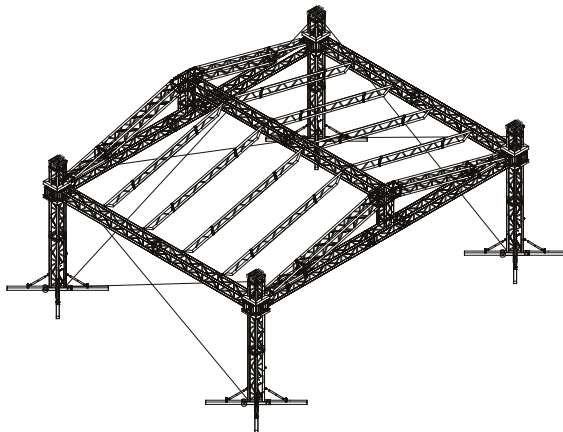
*L'intera struttura, usando la torre adatta, può essere sollevata con l'argano manuale o con paranchi.*

*L'angolo superiore del tetto è dato dalla combinazione di **DELTA** dado, connettori distanziatori e Kit a snodi.*

*Soluzione semplice e forte per risolvere il problema di accoppiamento del timpano alla struttura di base.*

*Il sistema di copertura doppia falda può essere dotato di alette laterali per appendere sistemi audio e video.*

*Il montaggio della struttura avviene a terra, compreso il fissaggio del telo al perimetro della struttura.*



	E0806D	E1008D	E1210D
Uniformly distributed load <sup>1</sup>	<b>1200 kg</b>	<b>760 kg</b>	<b>560 kg</b>
Weight	1260 kg	1480 kg	1700 kg
Volume	10 m <sup>3</sup>	11 m <sup>3</sup>	36 m <sup>3</sup>
Covered area	61 m <sup>2</sup>	96 m <sup>2</sup>	136,50 m <sup>2</sup>
Maximum tower height	4,25 m	8,95 m	7,48 m
Towers	T30	PT30	PT30
Vertical truss	SS30A	SS30A	SS30A
Horizontal truss	S30 - P30	SS30 - P30	SS30 - P30
Roofing sheet		650g/mq	

<sup>1</sup> Loading data calculated with wind speed of 75km/h

	E0806D	E1008D	E1210D
A 1 - B 1	8,00 x 6,00 m	10,00 x 8,00 m	12,00 x 10,00 m
A 2 - B 2	9,00 x 7,00 m	11,00 x 9,00 m	12,57 x 11,00 m
A 3 - B 3	10,25 x 8,26 m	12,97 x 10,85 m	14,26 x 12,26 m
H 1	2,96 m	7,26 m	5,60 m
H 2	3,70 m	8,42 m	6,50 m
H 3	4,33 m	8,95 m	7,50 m





## ARC roof systems



### ARC roof systems

ARC roof systems consist almost entirely of standard components easy to assemble.

Large high-load roof system based on rectangular section truss **S76R** - Fork connection system and adding special hinges for making the arc spans.

The roof becomes, without use of special hinges, linear configuration system.

They are ideal solutions for temporary and permanent installations.

The whole system can be raised with electric chain hoists.

This can be fitted with lateral wings for hanging audio and video systems.

The assembly of the structure happens at ground, including the fastening of the cover sheet to the perimeter of the structures.

Specialized staff is recommended for installation.

### STRUTTURA AD ARCHI

Esempio di sistema di copertura realizzato con l'impiego, in alzata, della torre **Poli52** combinata a modulo **SS52AP** ed in sospensione di moduli rettangolari appartenenti alla serie **S76R**.

L'impiego di moduli lineari della serie **S76R** in combinazione di particolari dispositivi aggiuntivi consente la configurazione di campate arcuate.

Con semplici accorgimenti è possibile passare da sistemi piani a quelli a curva e viceversa.

Struttura di effetto per l'importanza delle dimensioni e delle forme scenografiche.

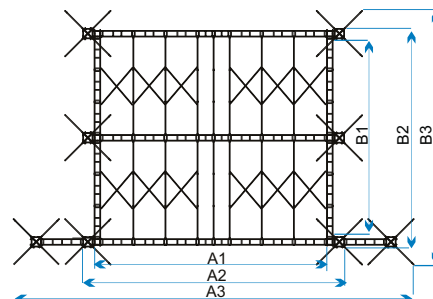
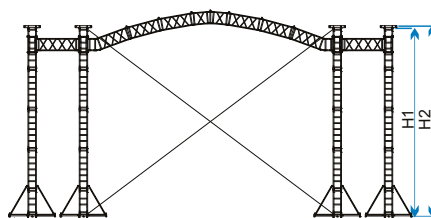
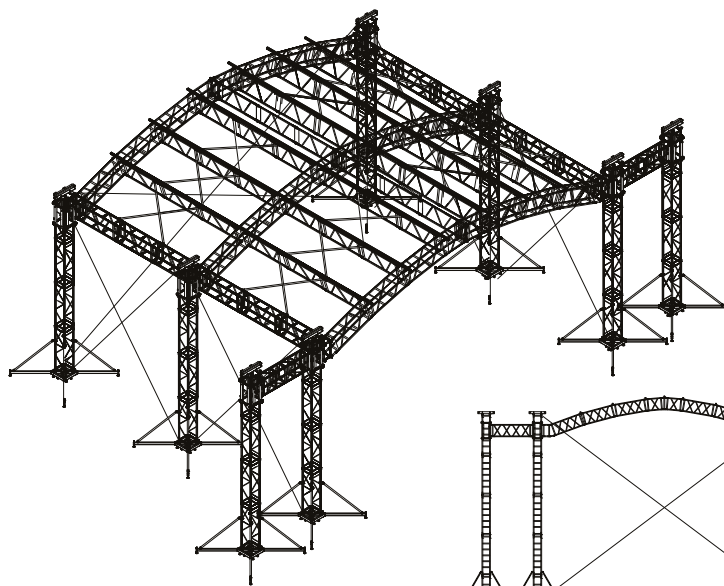
Tale sistema di copertura consente di realizzare le estensioni laterali per l'appendimento di sistemi audio e video.

È una struttura che offre, con grande modularità, prestazioni significative in termini di carichi applicabili e di campate realizzabili.

Per i livelli di prestazione ai quali è votata l'utilizzo è consigliato a personale altamente specializzato.



## ARC roof systems



### A1512 H13

Dimensions	15,78x24,93 m
Uniformly distributed load <sup>1</sup>	4650 kg
Weight	5400 kg
Volume	53m <sup>3</sup>
Covered area	200 m <sup>2</sup>
Maximum height tower	12,91 m
Towers	PT52P
Vertical truss	SS52AP
Horizontal truss	S76R
Roofing Sheet	650g/mq
Lifting system	Electrical chain hoist

<sup>1</sup> Loading data calculated with wind speed of 75km/h

### A1512 H13

A 1 - B 1	14,80 x 13,36 m
A 2 - B 2	16,30 x 13,60 m
A 3 - B 3	25,00 x 15,80 m
H 1 - H 2	11,50 - 11,92 m





## HORIZÒNTES H40



### **HORIZÒNTES H40** *very compact roof system!*

**HORIZÒNTES H40** is a revolutionary alternative to traditional roof system based on the square truss 40 series.

**HORIZÒNTES H40** is a different and simple roofing system, small but big structure. Innovative design with important technological standards: compact flat module, high performance, quick assembly times. The structure is made of modular bearing beams in aluminium 40 cm height with built-in guides for inserting roof pvc cover sheets. The bearing beams are connected with diagonal bracings with constant spacing of 2.5 metres forming a grid 250x200cm.

HORIZÒNTES H40 is available in different kind of configuration: **basic configuration** (2 crossbars) or **stronger configuration** (more crossbars) using the type of flat truss H40 suitable.

The uprights and diagonals are placed in a lower position than the coverings to prevent irregularities in the coverage. The total canopy comes in several pieces in order to facilitate handling and transportation.

Individual cover sheets, 2m wide, made pvc of 650 g/m<sup>2</sup>, class 2 fire resistant, have lateral curbs of sliding in the upper rail system and ends - sheaths for fixing pull pipes of cover sheets: they are specially designed to avoid water pockets or infiltrations.

The fastening of the cover sheets to terminal elements of the roof happens using a practical systems of quick coupling pipes and belt ratchet 80 or 120cm long: **one click and it's immediately covered roof!**

The modularity of the system allows to build flat spans up to 14 metres in length with a large carrying capacity.

This system of roofing sheets being lightweight and more functional allows a considerable saving of assembly times.

**HORIZÒNTES H40** can be secured on any type of scaffolding systems or lifting towers.

**HORIZÒNTES H40** is a new concept of aluminium structure and **HORIZÒNTES H40** is a new concept of aluminium structure and currently is used by many professionals in the exhibitions and entertainment world!

### *Il tetto dall'ingombro ridotto!*

**HORIZÒNTES H40** è la rivoluzionaria alternativa al tradizionale sistema di copertura basato sull'utilizzo del modulo quadrato con lato 40cm.

**HORIZÒNTES H40** è un sistema diverso e semplice di copertura dal design innovativo e dagli standard tecnologici importanti: moduli ad ingombro contenuto, prestazioni elevate, tempi di montaggio veloci.

La serie **H40** è strutturata da moduli piani di altezza pari a 40 cm che consentono la configurazione di campate di lunghezza fino a 14 metri.

Montanti e diagonali sono collocati in una posizione inferiore rispetto alle travi con guide scorritelo per evitare la irregolarità del telo di copertura. La presenza nella parte superiore del modulo di guide scorritelo facilita e velocizza l'inserimento e l'estrazione del telo di copertura ridimensionato in fasce di larghezza pari a 200 cm. L'assemblaggio dei singoli moduli avviene in maniera rapida, intuitiva e veloce a mezzo spinotti in acciaio zincato; le campate sono sollevabili a mezzo paranchi manuali o motori.

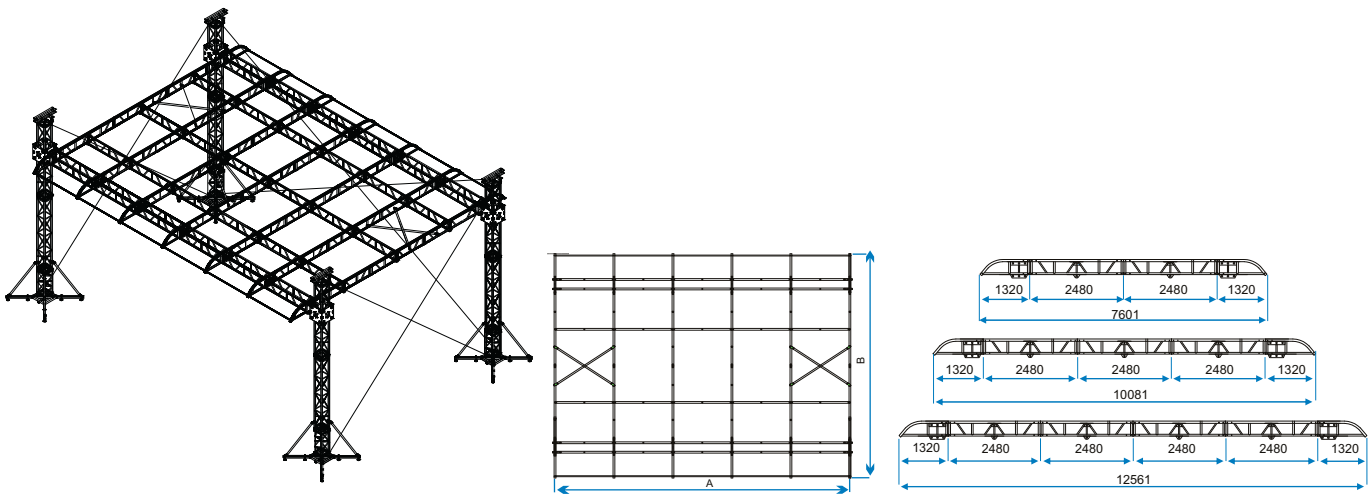
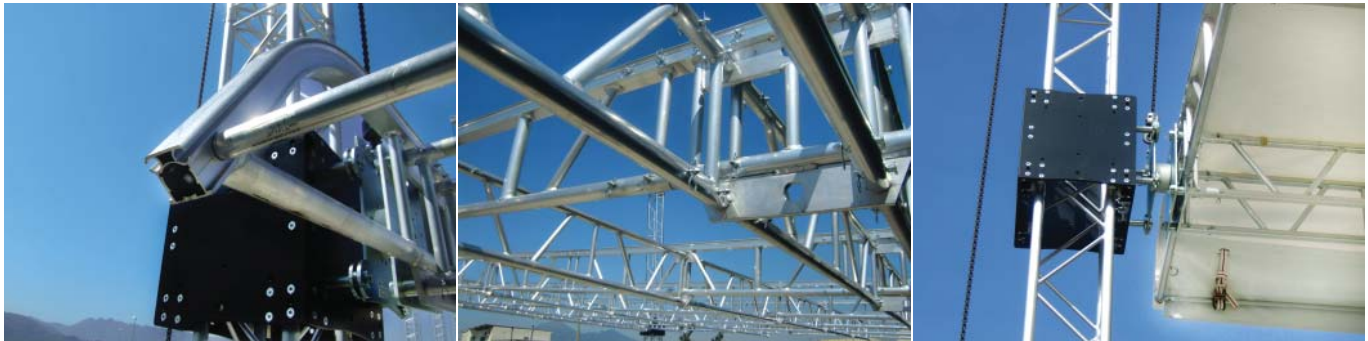
Il tetto **HORIZÒNTES H40** può essere montato su torri multi- direzionali o su qualunque appoggio in grado di sostenerne i carichi sviluppati.

**HORIZÒNTES H40**, nella sua molteplicità di varianti, è la **serie modulare dalle infinite possibilità combinatorie**.

Concetto nuovo di struttura in alluminio, **HORIZÒNTES H40** è attualmente utilizzata da molti professionisti nel settore dell'allestimento e dell'intrattenimento.



# HORIZÒNTES H40



	H40 1007H7	H40 1210H8	H40 1412H8
Uniformly distributed load <sup>1</sup>	<b>3500 Kg</b>	<b>2800 kg</b>	<b>2000 kg</b>
Weight	1480 Kg	2010 kg	2400 kg
Volume	9,30 m <sup>3</sup>	14 m <sup>3</sup>	16,50 m <sup>3</sup>
Covered area	75 m <sup>2</sup>	120 m <sup>2</sup>	175 m <sup>2</sup>
Maximum tower height	7 m	8 m	8 m
Towers	PT30R	PT40C	PT40C
Vertical truss	T30QS	T40QS	T40QS
Horizontal truss	H40	H40	H40
Roofing sheet	650g/mq		

	H40 1007H7	H40 1210H8	H40 1412H8
A	10,0 m	12,00 m	14,00 m
B	7,5 m	10,00 m	12,00 m

<sup>1</sup> Loading data calculated with wind speed of 70km/h

## Accessories



**SH40**

Roller-skate for Horizòntes H40



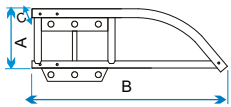
**L4040**

### Relax attack

Inclination device - automatic help connection sleeve block to roof structure

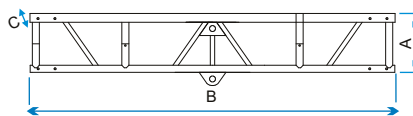
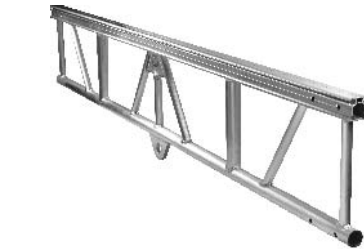
*Horizòntes H40, grazie all'ausilio dell'articolo L4040, dispositivo di inclinazione del tetto, viene agganciato direttamente, in maniera autonoma, al carrello della torre senza l'intervento di risorse aggiuntive.*





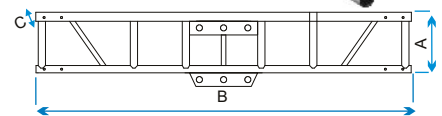
Curved - flat section high-load aluminium truss with 40cm long side upper guides for cover sheets

Code	A	B	C	Weight
H40 1320	40 cm	132 cm	60 mm	13,00 Kg



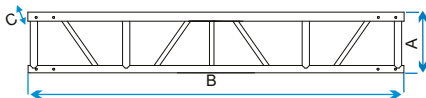
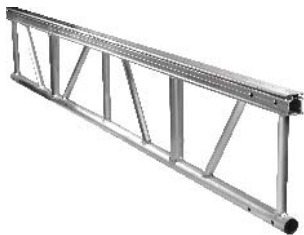
Flat section high-load aluminium truss with 40cm long sides, with 2 holes device and upper guides for cover sheets

Code	A	B	C	Weight
H40 2500 2	40 cm	248 cm	60 mm	13,00 Kg



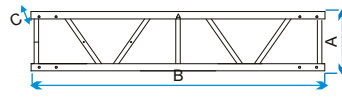
Flat section high-load aluminium truss with 40cm long sides upper guides for cover sheets

Code	A	B	C	Weight
H40 2500 6	40 cm	248 cm	60 mm	15,20 Kg



Flat section high-load aluminium truss with 40cm long sides upper guides for cover sheets

Code	A	B	C	Weight
H40 2500	40 cm	248 cm	60 mm	11,70 Kg



Flat section high-load aluminium truss with 40cm long sides, top positioning indicator and upper guides for cover sheets

Code	A	B	C	Weight
H40 2000	40 cm	198 cm	48 mm	7,10 Kg
H40 1500	40 cm	148 cm	48 mm	5,50 Kg



**C35 F80**  
Belts ratchet 35mm wide, length 80cm, capacity load 3500 kg

**C35 F120**  
Belts ratchet 35mm wide, length 120cm, capacity load 3500 kg



**K230G**  
Quick connection kit: n.1 steel spigot 230mm long with eyebolt n.2 steel pins, n.2 safety springs. Weight 2,7 kg



**K287**  
Quick connection kit: n.1 Steel spigot 287 mm long, n.3 Steel pins, n.3 Safety springs. Weight 3,2 kg



**K415HD**  
Quick connection kit: n.1 steel spigots 415 mm long, n.4 steel pins, n.4 safety springs. Weight 4,61 kg



**D2447GM**  
Aluminium diagonals - bracings length 243cm



**T1920T**  
Aluminium tube diameter 50x3mm 192cm long in alluminio for draft.



**T1920AT**  
Aluminium tube 50x4mm 192cm long for quick-connection sheet (built-release spring H40).



### HORIZòNTES H74 roof systems

*More possibilities of configurations!*

**H74 series** is a roof modular system designed for high performance and wide spans.

The structure is made of modular bearing beams in aluminium 74 cm height with built-in guides for inserting roof pvc cover sheets. The bearing beams are connected with diagonal bracings with constant spacing of 2.5 metres forming a grid 250x200cm.

HORIZòNTES H74 is available in different kind of configuration: **basic** configuration ( 2 crossbars) or **stronger** configuration (more crossbars) using the type of flat truss H74 suitable.

The uprights and diagonals are placed in a lower position than the coverings to prevent irregularities in the coverage.

The total canopy comes in several a pieces in order to facilitate handling and transportation.

Individual cover sheets, 2 m wide, made pvc of 650 g/m<sup>2</sup>, class 2 fire resistant, have lateral curbs of sliding in the upper rail system and ends-sheaths for fixing pull pipes of cover sheets: they are specially designed to avoid water pockets or infiltrations.

The fastening of the cover sheets to terminal elements of the roof happens using a practical systems of quick coupling pipes and belt ratchet 80 or 120cm long: **one click and it's immediately covered roof!**

The modularity of the system allowsto build a span up to 20 metres in length with a large carrying capacity.

This system of roofing sheets being lightweight and more functional allows a considerable saving of assembly times.

**HORIZòNTES H74** can be secured on any type of scaffolding systems or lifting towers.

### HORIZòNTES H74

*La serie modulare dalle infinite possibilità combinatorie!*

La serie **H74** è strutturata da moduli piani di altezza pari a 74cm realizzati in alluminio con nella parte superiore guide scorritelo per un facile e veloce inserimento ed estrazione del telo di copertura.

HORIZòNTES H74 è disponibile in due diverse configurazioni utilizzando il modulo adatto:

Versione **elementary** configurata a sole 2 doppia traverse, posizionate in combinazione delle curve,

Versione **più compatta** articolata a 3 doppia traverse.

Il modulo HORIZòNTES H74 è rafforzato da chiusure laterali che ne garantiscono minore flessione.

La serie H74 è destinata alla composizione di tetti a campate multiple di grosse dimensioni ( campate di lunghezza fino a 20 metri).

Nelle combinazioni a campate plurime viene strutturata una griglia modulare a maglia 200x250cm congiunta da diagonali ad innesto rapido.

Montanti e diagonali sono collocati in una posizione inferiore rispetto alle travi con guide scorritelo per evitare la irregolarità del telo di copertura.

Il telo di copertura presenta alette laterali che favoriscono l'inserimento di tubi in alluminio di fissaggio e tiro.

Il sistema di copertura a singoli teli agevola e velocizza la gestione degli ingombri in fase di montaggio e nelle successive fasi di smontaggio e riposizionamento dello stesso: operazioni ulteriormente agevolate dal sistema di aggancio rapido telo di cui vanta la serie HORIZòNTES H74:

**un click ed è subito telo!**

La serie HORIZòNTES H74 si contraddistingue per i significativi carichi applicabili e la notevole facilità di combinazione e connessione delle componenti interagenti, traducibile quest'ultima in una indiscutibile ottimizzazione dei tempi di montaggio della struttura – tetto complessiva.

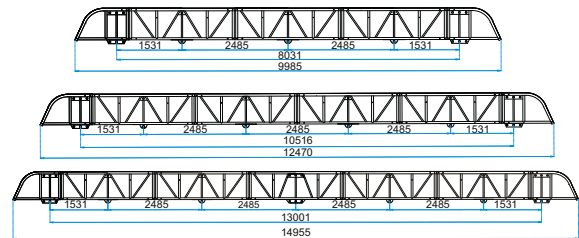
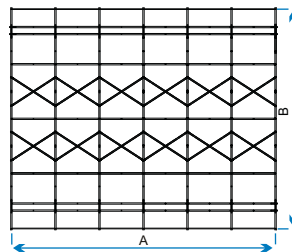
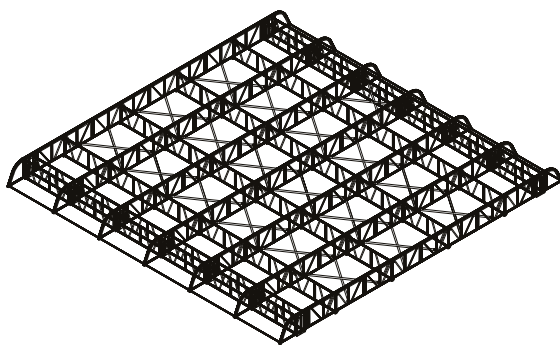
**HORIZòNTES H74** può essere utilizzata, in combinazione di accessori aggiuntivi, come copertura Tribuna.





## HORIZONTES H74

scaffolding systems



### Advantages

- The curved - flat H74 allowing to hang the lights at about 1.20m provides always a perfect lighting of stage and of artist
- Horizontes H74 has only one type of connection systems
- They facilitate and improve the mounting times of structure also at not professional operators in the sector
- The fastening of the cover sheets happens by help of aluminium pipes with quick coupling: **a click and it's immediately roof pvc coversheet!**
- Compact, modular, robust and reliable solution is easy to handle and store thanks to the reduced volume developed
- Versatile structure designed for different uses: roof system, grandstand roof system
- The upper rail profile enables rapid insertion of cover sheets pvc
- Maximum performance when it's used in combination with walls scaffolding systems
- Horizontes H74 occupies small spaces when it's mounted on lifting towers
- *Il taglio della curva consentendo l'appendimento delle luci a circa 1,20 m è garanzia della perfetta illuminazione del palco e dell'artista comunque e sempre*
- *La connessione Horizontes H74 essendo unica facilita e ottimizza i tempi di montaggio anche al più inesperto operatore del settore*
- *L'inserimento del telo è ottenuta grazie all'ausilio di tubi ad innesto rapido (un click ed è subito telo)*
- *Compatta, modulare, robusta ed affidabile è facile da movimentare e stoccare grazie al ridotto volume sviluppato*
- *Struttura VERSATILE è destinata ad impieghi diversi: copertura palco, copertura tribuna (il profilo portatelo nella parte superiore del modulo consente un rapido inserimento del telo di copertura)*
- *Massimo delle prestazioni se utilizzata in combinazione di mura multicom*
- *Montata su torri di elevazioni impegna spazi anche ridotti*

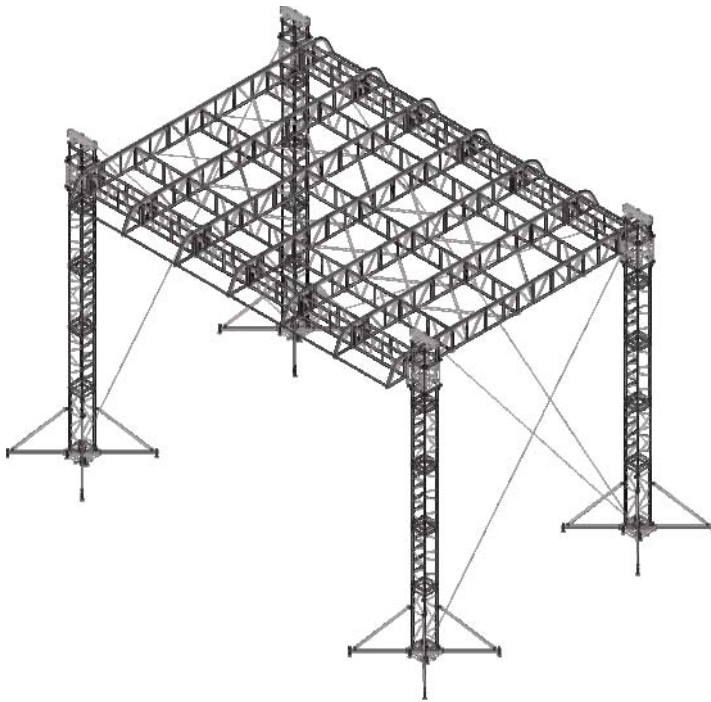
Code	Dimensions	Covered area (m <sup>2</sup> )	Weight (kg)	Volume (m <sup>3</sup> )	Truss length (m)	Capacity Load <sup>1</sup> (kg)
F 52 / . . 5	10x7,50	75	915	07:00	7,5	3400
H 74 1010	10x10,0	100	1103	7,98	10	3300
H 74 1012	10x12,5	125	1291	09:40	12:50	3100
H 74 1015	10x15,0	150	1479	10,76	15	2880
H 74 1207	12x7,50	90	1056	7,6	7,5	3300
H 74 1210	12x10,0	120	1278	10,78	10	3120
H 74 1212	12x12,5	150	1500	10:00	12:50	2860
H 74 1215	12x15,0	225	1722	12,6	15	2650
H 74 1407	14x7,50	105	1197	09:20	7,5	3130
H 74 1410	14x10,0	140	1493	10:50	10	3000
H 74 1412	14x12,5	175	1709	12,9	12:50	2760
H 74 1415	14x15,0	210	1965	14:10	15	2400
H 74 1607	16x7,50	120	1338	09:30	7,5	2890
H 74 1610	16x10,0	160	1628	11:30	10	2720
H 74 1612	16x12,5	200	1918	13:00	12:50	2500
H 74 1615	16x15,0	240	2208	14:54	15	1980
H 74 1807	18x7,50	135	1479	10:27	7,5	2500
H 74 1810	18x10,0	180	1803	12:35	10	2280
H 74 1812	18x12,5	225	2127	15:33	12:50	1870
H 74 1815	18x15,0	270	2320	16:16	15	5520
H 74 2015	20x15,0	300	2556	18:56	15	5200

<sup>1</sup> Loading data calculated with wind speed of 70km/h



# HORIZÒNTES H74

roof system on towers

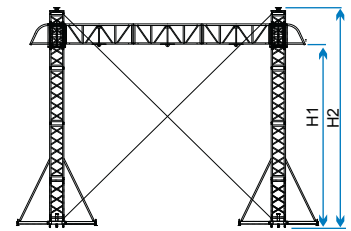
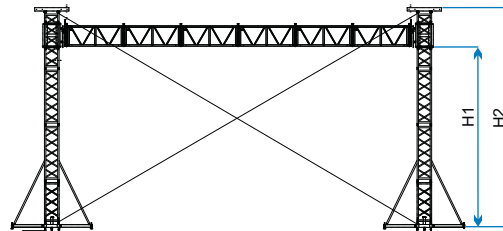
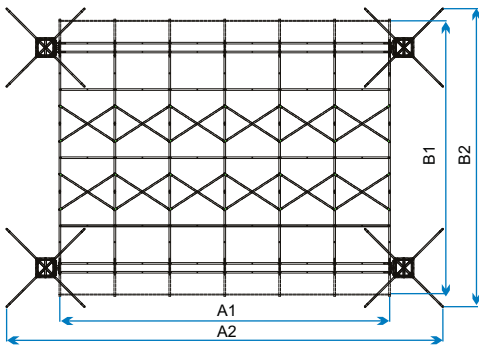


**L7452**

**Relax attack**

Inclination device - automatic help connection sleeve block to roof structure (double attack side 52-74cm)

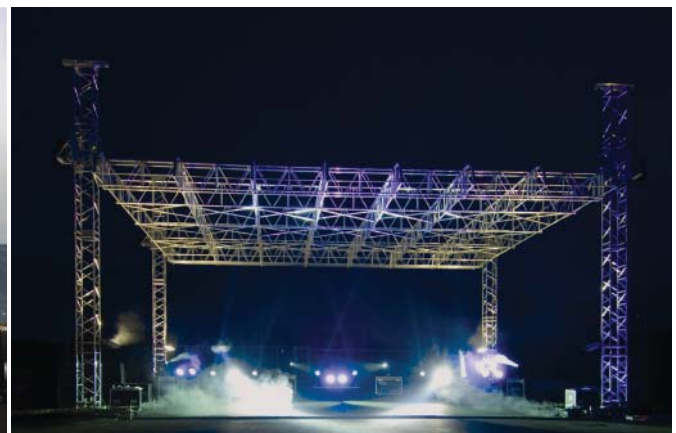
Horizòntes H74, grazie all'ausilio dell'articolo **L7452**, dispositivo di inclinazione del tetto, viene agganciato direttamente, in maniera autonoma, al carrello della torre senza l'intervento di risorse aggiuntive (doppio attacco lato 52-74cm)

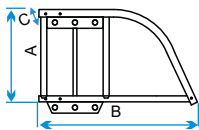


	H74 1210H14	H74 1412H14	H74 1612H14
Uniformly distributed load <sup>1</sup>	3120 Kg	2760 kg	2500 kg
Weight	3040 Kg	3460 kg	3680 kg
Volume	28 m <sup>3</sup>	32 m <sup>3</sup>	33 m <sup>3</sup>
Covered area	120 m <sup>2</sup>	175 m <sup>2</sup>	200 m <sup>2</sup>
Maximum tower height	14 m	14 m	14 m
Towers	PT52	PT52	PT52
Vertical truss	SS52A	SS52A	SS52A
Horizontal truss	H74	H74	H74
Roofing sheet	650g/mq		

	H74 1210H14	H74 1412H14	H74 1612H14
A1-A2	12x10,00m	14x12,50m	16x12,50m
B1-B2	10x10,89m	17,67x13,40m	19,67x13,40m
H1-H2	11,50-14m	11,50-14,00m	11,50-14,00m

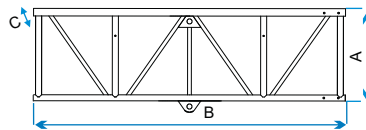
<sup>1</sup> Loading data calculated with wind speed of 75km/h





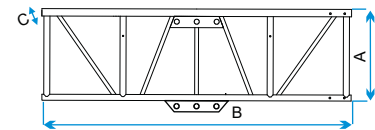
Curved - flat section *high-load* aluminium truss with 74cm long side

Code	A	B	C	Weight
H74C 1265	74 cm	127 cm	60 mm	11,00 Kg



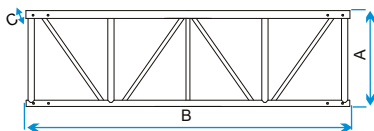
Flat section *high-load* aluminium truss with 74cm long sides, 2 holes device and upper guides for cover sheets

Code	A	B	C	Weight
H74 2500 2	74 cm	248 cm	60 mm	17,50 Kg



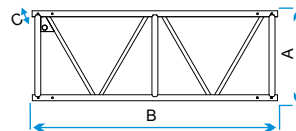
Flat section *high-load* aluminium truss with 74cm long sides, 6 holes device and upper guides for cover sheets

Code	A	B	C	Weight
H74 2500 6	74 cm	248 cm	60 mm	21,50 Kg



Flat section *high-load* aluminium truss with 74cm long sides and upper guides for cover sheets

Code	A	B	C	Weight
H74 2500	74 cm	248 cm	60 mm	16.0 Kg



Flat section *high-load* aluminium truss with 74cm long sides, top positioning indicator

Code	A	B	C	Weight
H74 500	74 cm	50 cm	48 mm	3,00 Kg
H74 1500	74 cm	148 cm	48 mm	9,50 Kg
H74 2000	74 cm	200 cm	48 mm	11,00 Kg



Aluminium diagonals - bracings

Code	ø mm	Lenght	Weight
D1637GM	50x2	164 cm	1.7 Kg
D2447GM	50x2	238 cm	2.6 Kg



Aluminium tube for sheet draft

Code	ø mm	Lenght	Weight
T920T	30x3,5	92 cm	0.8 Kg
T1920T	30x3,5	192 cm	1.7 Kg



Aluminium tube diameter for quick-connection sheet (built release spring H40)

Code	ø mm	Lenght	Weight
T920AT	50x4	92 cm	1.8 Kg
T1920AT	50x4	192 cm	3.5 Kg



**PHS**  
HORIZON plate lifting motor



**SH74**  
Roller-skate for Horizontes H74



**C35 F80**  
Belts ratchet 35mm wide, lenght 80cm capacity load 3500 kg



**K230G**  
Quick connection kit:  
n.1 steel spigot 230mm long with eyebolt  
n.2 steel pins, n.2 safety springs  
weight 2,7 kg



**K287**  
Quick connection kit: n.1 Steel spigot 287 mm long, n.3 Steel pins, n.3 Safety springs weight 3,2 kg



**K415**  
Quick connection kit: n.1 steel spigots 415 mm long, n.4 steel pins, n.4 safety springs. Weight 4,61 kg

## HORIZòNTES H74

roof systems grandstand

### HORIZòNTES H74

Modular series with infinite possibilities of configurations !

*La serie modulare dalle infinite possibilità combinatorie !*



### HORIZòNTES H74 roof systems grandstand

*Not just roof: HORIZòNTES H74 can be used to create cover tribune*

HORIZòNTES H74 roof system grandstand is made with H74 standard modules.

H74 roof system for a cover grandstand configuration uses small accessories connecting (Code PH74) between normal trusses and scaffolding systems.

This does not need support pillars and the maximum over hang possible is 8,72 metres from the back wall, provided the stand structure is sufficiently ballasted.

*EFESTO provides the roof system and connection components compatible with multidirectional scaffolding systems.*

### HORIZòNTES H74 copertura tribuna

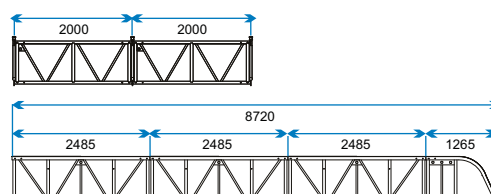
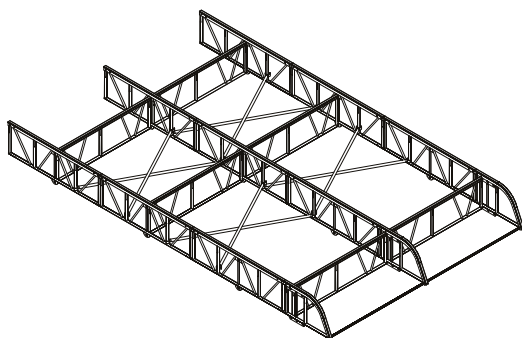
*Non solo tetto: HORIZòNTES H74 può essere utilizzato per creare coperture tribuna*

HORIZòNTES H74 sistema di copertura tribuna è realizzato con moduli standard H74

H74 nella configurazione come copertura tribuna utilizza piccoli accessori di collegamento (Codice **PH74**) tra capriate normali e sistemi di ponteggio multidirezionali.

*La copertura tribuna H74 non ha bisogno di pilastri di sostegno e lo sbalzo configurabile possibile è pari a 8,72 metri, purché la struttura di supporto sia sufficientemente zavorrata.*

*EFESTO fornisce il sistema di tetto e componenti di connessioni compatibili con i ponteggi multidirezionali di riferimento.*



#### H74 T

A	5,20 m
B	8,72 m



#### PH74

Positioner of HORIZòNTES H74 roof systems grandstand and connection device to scaffolding systems.





## HORIZòNTES H74D

*Double pitch roof systems*



### **HORIZòNTES H74D** Double Pitch roof systems

The roof that walks!

**HORIZòNTES H74D** is a roof modular system designed for wide spans ideal for events or protection of a building site. If a building site is protected there will be no any late delivery for adverse weather.

The structure is made of modular bearing beams in aluminium 74 cm height with built-in guides for inserting roof pvc cover sheets. The bearing beams are connected with diagonal bracings with constant spacing of 2.5 metres forming a grid 250x200 cm. The uprights and diagonals are placed in a lower position than the coverings to prevent irregularities in the coverage. The total canopy comes in several a pieces in order to facilitate handling and transportation.

Individual cover sheets, 2m wide, made pvc of 650 g/m<sup>2</sup>, class 2 fire resistant, have lateral curbs of sliding in the upper rail system and ends sheaths for fixing pull pipes of cover sheets: they are specially designed to avoid water pockets or infiltrations. The fastening of the cover sheets to terminal elements of the roof happens using a practical systems of quick coupling pipes and belt ratchet 80 or 120cm long: **one click and it's immediately covered roof!**

The modularity of the system allows to build a span up to 24 metres in length. This system of roofing sheets being lightweight and more functional allows a considerable saving of assembly times. **HORIZòNTES H74D** can be secured on any type of scaffolding systems or lifting towers.

**HORIZòNTES H74D** can be equipped with the **sliding rails** at the base. The sliding rails allow to move and to position the spans **H74D** in the areas of interest with electric hoists.

### **HORIZòNTES H74D** versione doppia falda

*Il tetto che cammina!*

**HORIZòNTES H74D** è una copertura modulare in alluminio a doppia falda, ideale per gestire un evento o per proteggere un cantiere.

**HORIZòNTES H74D** è strutturata da moduli piani di altezza pari a 74 cm realizzati in alluminio con nella parte superiore guide scorritelo per un facile e veloce inserimento ed estrazione del telo di copertura.

Le coperture **HORIZòNTES** combinate alle chiusure laterali sui ponteggi, sono strutture leggere e adatte sia alla protezione dei cantieri dagli agenti atmosferici, sia alla salvaguardia dell'ambiente circostante evitando le dispersioni di materiale nell'aria delle lavorazioni in atto. Un cantiere se protetto non subisce ritardi dovuti agli imprevisti da avversità meteorologiche.

La serie **H74D** consente la configurazione di tetti a campate multiple di dimensioni fino a 24 metri di lunghezza.

Nelle combinazioni a campate plurime viene strutturata una griglia modulare a maglia 200x250cm congiunta da diagonali interne ad innesto rapido.

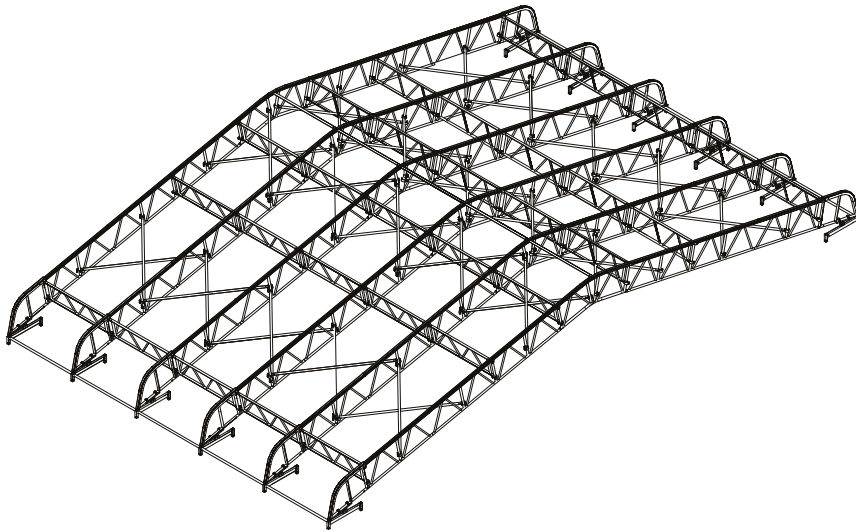
Montanti e diagonali sono collocati in una posizione ribassata rispetto alle travi con guide scorritelo per evitare la irregolarità del telo di copertura. Il telo di copertura presenta alette laterali che favoriscono l'inserimento di tubi in alluminio di fissaggio e tiro.

Il sistema di copertura a singoli teli agevola e velocizza la gestione degli ingombri in fase di montaggio e nelle successive fasi di smontaggio e riposizionamento dello stesso: operazioni ulteriormente agevolate dal sistema di aggancio rapido telo di cui vanta la serie **HORIZòNTES: un click ed è subito telo!**

Le coperture **HORIZòNTES** sono combinabili a qualsiasi tipo di ponteggio multidirezionale o prefabbricato esistente sul mercato o su strutture a muro, a torri, a qualunque appoggio in grado di sostenere i carichi generati: sono sollevabili a mezzo paranchi manuali o elettrici. La possibilità di dotare la copertura alla base di **binari di scorrimento**, consente di movimentare, a mezzo **motore**, le campate **H74D** spostandole e posizionandole nelle aree di interesse.

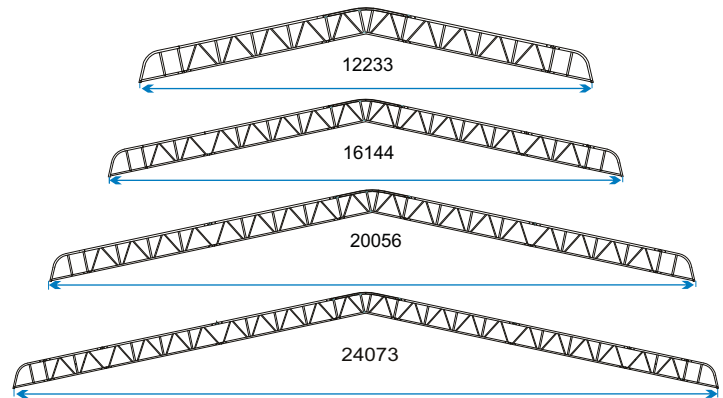
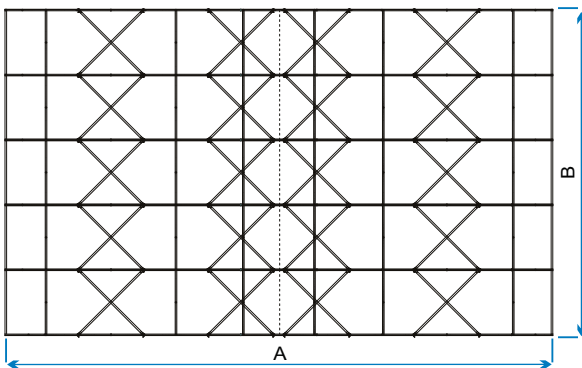
# HORIZòNTES H74D

Double pitch roof systems



### Applications fields

- Building
- Industrial maintenance
- Shipbuilding
- Archaeological sites
- Churches and monuments restructure

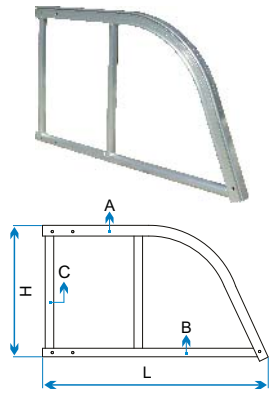


	H74D 1216	H74D 1616	H74D 2016	H74D 2416
Uniform distributed load <sup>1</sup>	80 kg/mq	60 kg/mq	40 kg/mq	40 kg/mq
Weight	1671 kg	1868 kg	2650 kg	3030 kg
Volume	10,35 m <sup>3</sup>	11,50 m <sup>3</sup>	15,00 m <sup>3</sup>	17,25 m <sup>3</sup>
Covered area	192 m <sup>2</sup>	256 m <sup>2</sup>	320 m <sup>2</sup>	384 m <sup>2</sup>
Roofing sheet			650g/mq	
Inclination pitch			28%	

<sup>1</sup> Loading data calculated wind speed of 75 Km/h

	H74D 1216	H74D 1616	H74D 2016	H74D 2416
A	16,00 m	16,00 m	16,00 m	16,00 m
B	12,23 m	16,14 m	20,05 m	24,07 m

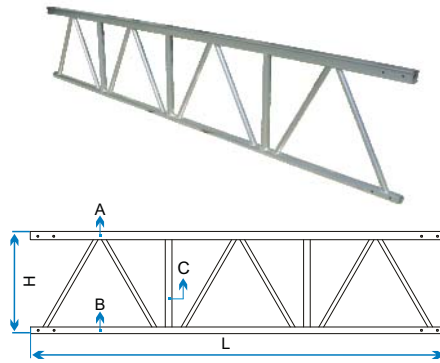




Curved-flat section aluminium truss with 74 cm long side

- A Main tubes with built-in guides 60x60x4 mm
- B Bottom tubes Ø 48x4.0 mm
- C Diagonals Ø 48x4.0 mm

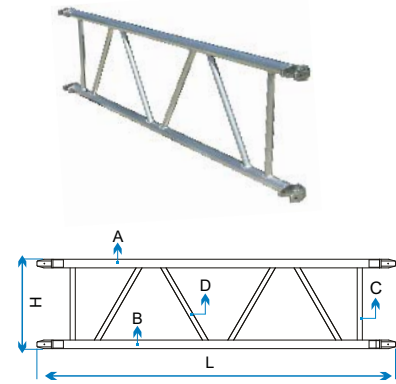
Code	H	L	Weight
H74CD 127	73,8 cm	126 cm	5,50 Kg



Flat section aluminium truss with 74 cm long side and upper guide for cover sheets

- A Main tubes with built-in guides 60x60x4 mm
- B Bottom tubes Ø 48x4.0 mm
- C Diagonals Ø 48x4.0 mm
- D Braces Ø 30x2.5 mm

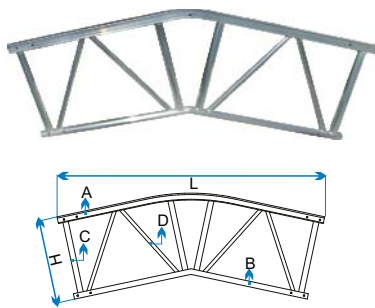
Code	H	L	Weight
H74D 200	73,8 cm	200 cm	11,50 Kg
H74D 300	73,8 cm	300 cm	18,00 Kg
H74D 400	73,8 cm	400 cm	22,50 Kg



Flat section aluminium truss with 74 cm long side and with clamps

- A Main tubes Ø 50x3.0 mm
- B Bottom tubes Ø 50x3.0 mm
- C Diagonals Ø 30x2.5 mm
- D Braces Ø 30x2.5 mm

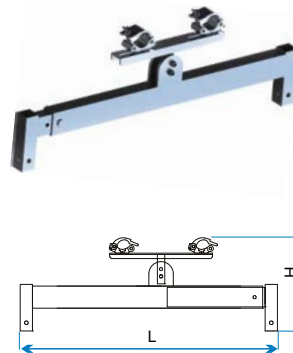
Code	H	L	Weight
H52D/200	52 cm	208 cm	8,60 Kg
H52D/250	52 cm	258 cm	10,50 Kg



2-way corner horizontal

- A Main tubes for cover sheets 60x60x4 mm
- B Bottom tubes Ø 48x4.0 mm
- C Diagonals Ø 48x4.0 mm
- D Braces Ø 30x2.5 mm

Code	H	L	Weight
H74DL2	73,8 cm	234 cm	14,30 Kg



Steel balancing support adjustable 105/110 cm (Wheelbases: 100-105 cm)

Code	H	L	Weight
H74/AS01	38 cm	105-110 cm	12,50 Kg



C35 F80 Belts ratchet 35mm wide lenght 80cm capacity load 3500 kg  
C35 F120 Belts ratchet 35mm wide lenght 120cm capacity load 3500 kg



K415 HD Quick connection Kit: n.1 steel spigot 415 mm long, n.4 steel pins n.4 safety springs. **Weight 4,61 Kg**



SH74 Roller-skate for Horizontes H74



Aluminium diagonals-bracings Ø 50x3 mm length 291 cm

Code	H	L	Weight
D246	9,6 cm	291 cm	3,50 Kg



Aluminium tube Ø50x4 mm lenght 200 cm for quick-connection sheet (built-release spring H74D)

Code	L	Weight
T200AT	200 cm	3,50 Kg



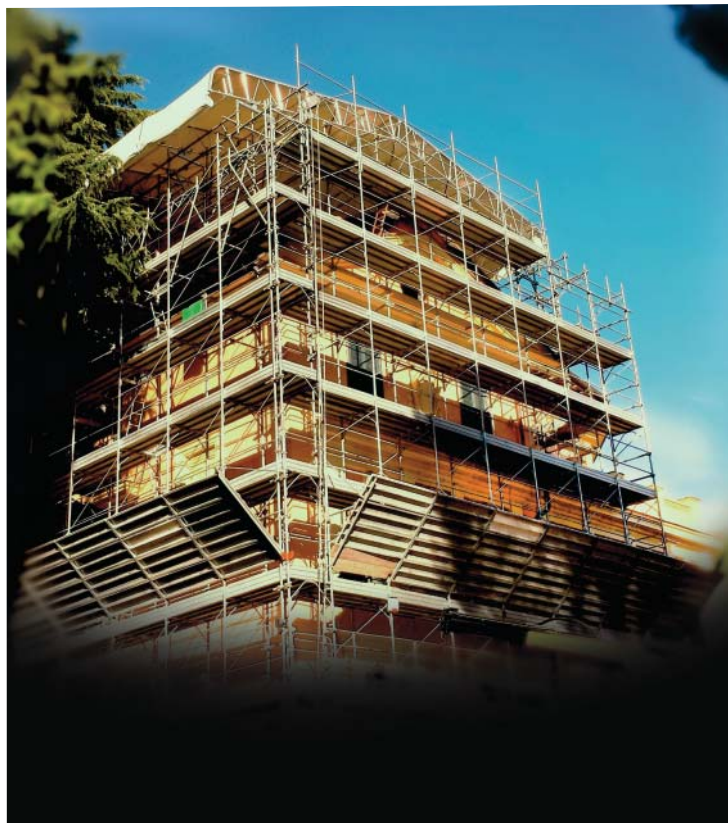
Aluminium tube for fixing sheet Ø 50x3 mm lenght 198 cm

Code	H	L	Weight
T200T	13,6 cm	198 cm	2,60 Kg



## HORIZÒNTES H74D

*Double pitch roof systems*



Support Horizòntes H74D Ø 40mm  
with wheel - galvanized steel

Code	L cm	B cm	Weight	Volume
ST/H74D	120	21,5	9,50 Kg	0.04 m <sup>3</sup>



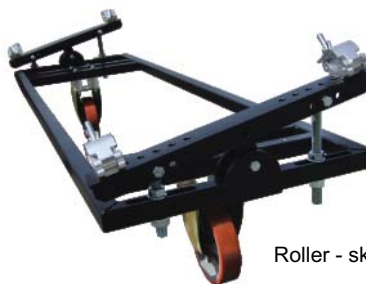
Safety device for limit switch

Code	Lenght	Weight	Volume
LSH74D	30 cm	1,80 Kg	0.05 m <sup>3</sup>



Galvanized steel sliding rails

Code	Lenght	Weight	Volume
H74/B300	300 cm	86,0 Kg	0.09 m <sup>3</sup>



Roller - skate for Horizòntes

Code	Lenght	Weight	Volume
SH74D	216 cm	32,0 Kg	0,60 m <sup>3</sup>



## GROUND SUPPORT systems *High performance structures*



### GROUND SUPPORT systems - fork connections *High performance structures*

GROUND SUPPORT system is a large, strong and sturdy modular structure, available in different standard sizes .

Professional structure was designed for a high loading capacity and together wide spans.

Built in **S105R** high load aluminium truss with a fork connections and **PoliPlus52** tower is suitable for big - sized structures .  
This is ideal solution to cover large areas of the stage and backstage in the concerts and public events.

The whole systems, using the towers suitable and the help erecting system, can be raised with electrical chain hoists.  
They can be fitted with lateral wings for hanging audio and video systems.

GROUND SUPPORT system can to work with **SPIDERoof** system .

The assembly of the structure happens at ground including the fastening of the cover sheet to the perimeter of **SPIDERoof** system

Powerful and strong is itself an element of great scenical show.

The use is recommended at skilled personnel.

### GROUND SUPPORT systems - connessione a forca *Strutture ad alte prestazioni*

*GROUND SUPPORT system è una grande, forte e robusta struttura modulare, disponibile in diverse dimensioni standard.*

*Struttura professionale progettata per la configurazione di ampie campate ad elevata capacità di carico.*

*Costruito con il modulo con connettori a forche **S105R** carico elevato e torre **PoliPlus52** è adatto per la configurazione di strutture di grandi dimensioni.*

*Questa è la soluzione ideale per coprire grandi aree del palco e backstage nei concerti e nelle manifestazioni pubbliche.*

*Tutto il sistema, utilizzando le torri adatte e il dispositivo di innalzamento torre, può essere sollevato con paranchi elettrici. Esso può essere dotato di alette laterali per appendere i sistemi audio e video.*

*GROUND SUPPORT system può lavorare con il sistema tetto **SPIDERoof**.*

*Il montaggio della struttura avviene a terra compreso il fissaggio della copertura al perimetro del sistema del tetto **SPIDERoof**.*

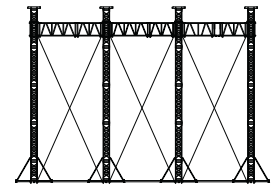
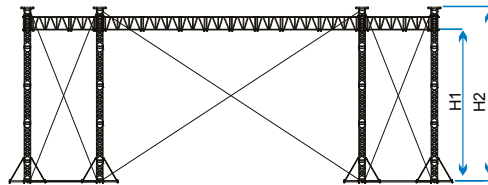
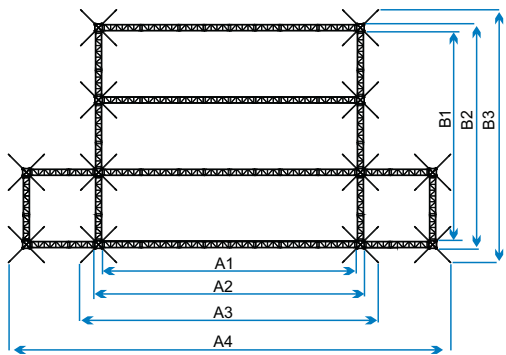
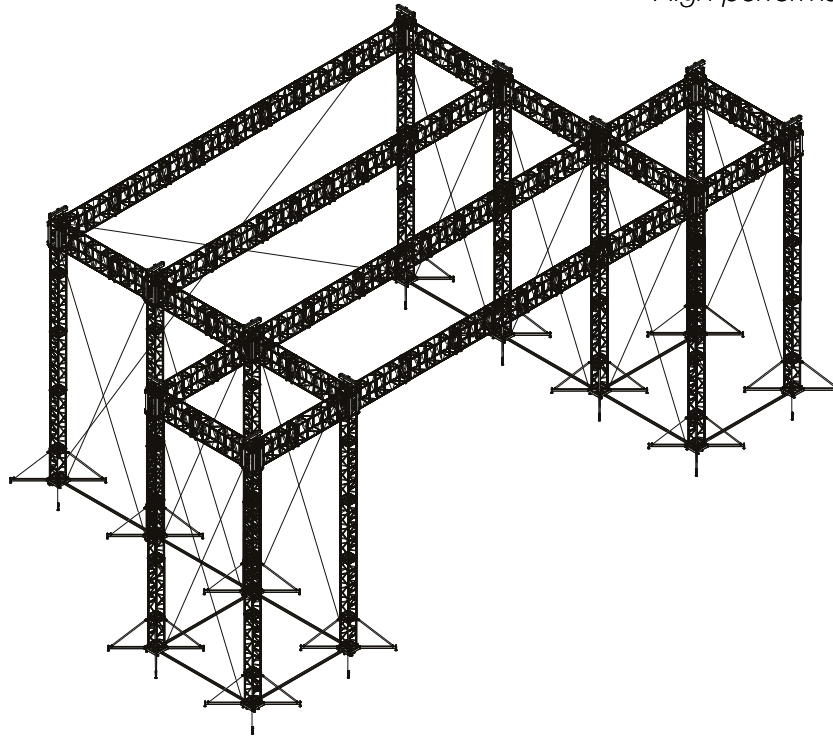
*Potente e forte è di per sé un elemento scenografico di grande spettacolarità.*

*L'utilizzo è consigliato a personale specializzato.*



## GROUND SUPPORT systems

*High performance structures*



### GSS2016H14

Uniformly distributed load <sup>1</sup>	<b>13000 kg</b>
Weight	7650 kg
Volume	135 m <sup>3</sup>
Covered area	490 m <sup>2</sup>
Maximum tower height	13,85 m
Towers	PT52P
Vertical truss	SS52AP
Horizontal truss	S105R
Lifting system	Electrical chain hoist
Roofing sheet	650g/mq

### GSS2016H14

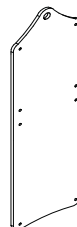
A1 - B1	20,00 x 17,00 m
A2 - B2	21,30 x 17,10 m
A3 - B3	23,50 x 19,96 m
A4 - B3	34,95 x 19,96 m
H1 - H2	12,00 - 13,90 m

<sup>1</sup> Indicative loading data for use in environments without wind.



Motor support for Poli52 tower  
Supporto attacco motore per torre Poli52

Code	Length cm	Weight Kg	Volume m <sup>3</sup>
AM/PT52	52x42,45x52	13	0,11



Galvanized steel positioning device with connection block sleeve Poli52 tower and truss S76R series

Dispositivo di posizionamento tetto coperto con lato attacco carrello della torre Poli52 e lato attacco S76R series

Code	Length cm	Weight Kg	Volume m <sup>3</sup>
L52	114x42x1,2	22	0,06





## GROUND SUPPORT systems *High performance structures*



### GROUND SUPPORT systems - conical connections

#### *High performance structures*

GROUND SUPPORT system is a large, strong and sturdy modular structure, available in different standard sizes .

Professional structure was designed for a high loading capacity and together wide spans.

Built in **T100R high load** aluminium truss with conical connections and **POLIKRONOS 52** tower is suitable for big - sized structures. This is ideal solution to cover large areas of the stage and backstage in the concerts and public events.

The whole systems, using the towers suitable and the help erecting system, can be raised with electrical chain hoists.

They can be fitted with lateral wings for hanging audio and video systems. GROUND SUPPORT system can to work with **SPIDERoof** system.

The assembly of the structure happens at ground including the fastening of the cover sheet to the perimeter of **SPIDERoof** system

Powerful and strong is itself an element of great scenical show.

The use is recommended at skilled personnel.

### GROUND SUPPORT systems - connessione conica

#### *Strutture ad alte prestazioni*

GROUND SUPPORT system è una grande, forte e robusta struttura modulare, disponibile in diverse dimensioni standard.

Struttura professionale progettata per la configurazione di ampie campate ad elevata capacità di carico.

Costruito con il modulo con connettori conici **T100R** carico elevato e torre **POLIKRONOS 52** è adatto per la configurazione di strutture di grandi dimensioni.

Questa è la soluzione ideale per coprire grandi aree del palco e del backstage nei concerti e nelle manifestazioni pubbliche.

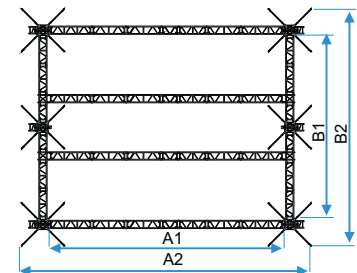
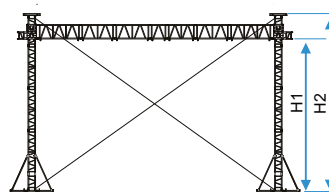
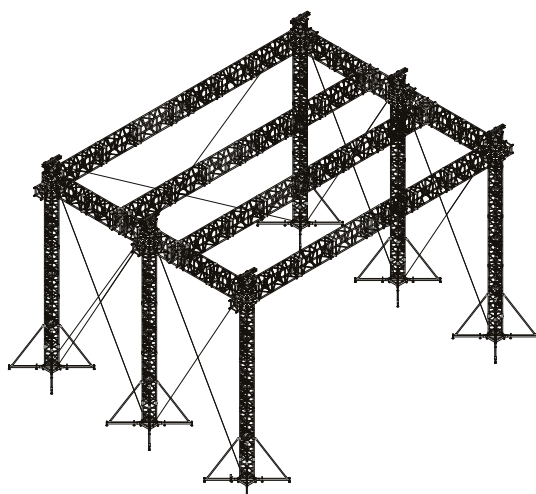
Tutto il sistema, utilizzando le torri adatte e il dispositivo di innalzamento torre può essere sollevato con paranchi elettrici.

La struttura può essere dotata di alette laterali per appendere i sistemi audio e video.

GROUND SUPPORT system può lavorare con il sistema tetto **SPIDERoof**. Il montaggio della struttura avviene a terra compreso il fissaggio del telo al perimetro del tetto **SPIDERoof**.

Potente e forte è di per sé un elemento di grande effetto scenico.

L'utilizzo è consigliato a personale specializzato.



#### **E1614H12T6**

Uniformly distributed load <sup>1</sup>	<b>5500 Kg</b>
Weight	5685 Kg
Volume	75 m <sup>3</sup>
Covered area	267.00 m <sup>2</sup>
Maximum tower height	12.71 m
Towers	PT52K
Vertical truss	T52QS
Horizontal truss	T100R
Roofing sheet	650g/mq

<sup>1</sup> Loading data calculated with wind speed of 75km/h

#### **E1614H12T6**

A1-B1	16.72x13.05 m
A1-A2	20.50x16.73 m
H1-H2	10.90-12.71 m



## GROUND SUPPORT system - double pitch

*High performance structures*

**GROUND SUPPORT** system is a large, strong and sturdy modular structure, available in different standard sizes. Professional structure was designed for a high loading capacity and together wide spans. Built in S76R high load aluminium truss with a fork connections and PoliPlus52 tower.

This is ideal solution to cover large areas of the stage and backstage in the concerts and public events. The whole systems, using the towers suitable and the help erecting system, can be raised with electrical chain hoists. They can be fitted with lateral wings for hanging audio and video systems.

The assembly of the structure happens at ground including the fastening of the cover sheet to the perimeter. Strong roof system is a solution of great scenical show. The use is recommended at skilled personnel.

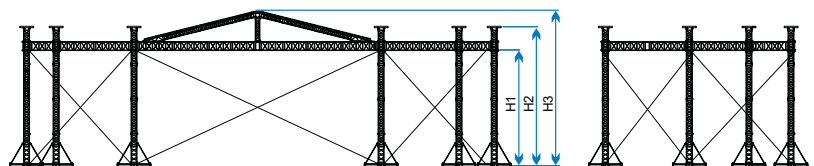
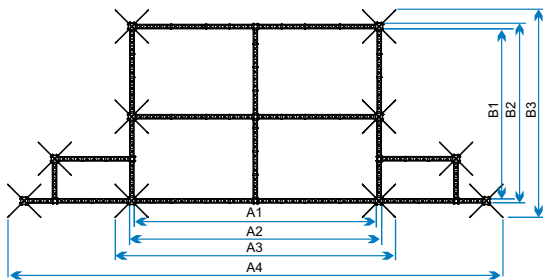
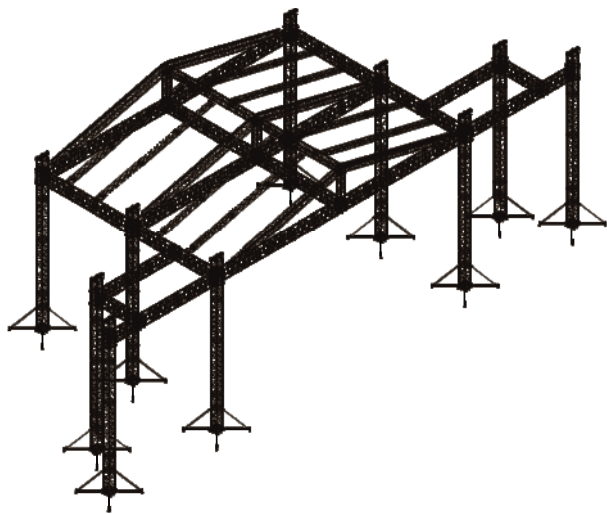
## GROUND SUPPORT system - doppia falda

*Strutture ad alte prestazioni*

**GROUND SUPPORT system - Double pitch** è una grande, forte e robusta struttura modulare, disponibile in diverse dimensioni standard. Struttura professionale progettata per la configurazione di ampie campate ad elevata capacità di carico. Costruito con il modulo con connettori a forche S76R a carico elevato e la torre **PoliPlus52**.

Questa è la soluzione ideale per coprire grandi aree del palco e del backstage nei concerti e nelle manifestazioni pubbliche. La copertura, utilizzando le torri adatte e il dispositivo di sollevamento torre, può essere sollevata con paranchi elettrici. La struttura può essere dotata di alette laterali per appendere i sistemi audio e video.

Il montaggio della struttura avviene a terra compreso il fissaggio del telo al perimetro del tetto. Potente e forte è di per sé un elemento di grande effetto scenico. L'utilizzo è consigliato a personale specializzato.



**GSD2015H12**

Uniformly distributed load <sup>1</sup>	<b>4300 kg</b>
Weight	9180 kg
Volume	113 m <sup>3</sup>
Covered area	380 m <sup>2</sup>
Maximum tower height	12 m
Towers	PT52
Vertical truss	SS52A
Horizontal truss	S76R- SS40AP - S30
Lifting system	Electrical chain hoist
Roofing sheet	650g/mq (4 pieces)

<sup>1</sup> Loading data calculated with wind speed of 28 m/s.

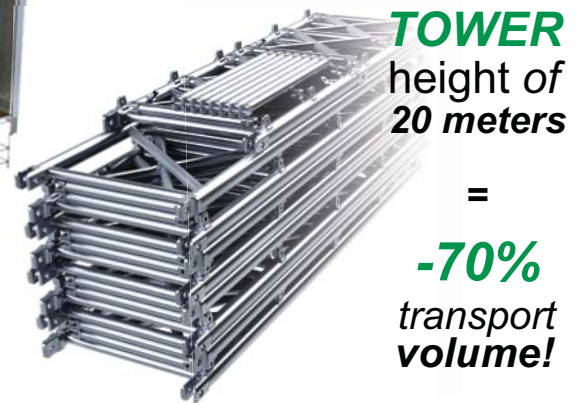
**GSD2015H12**

A1 - B1	20,6 x 14,5 m
A2 - B2	21,7 x 15,3 m
A3 - B3	24,1 x 17,8 m
A4 - B3	43,0 x 17,8 m
H1 - H2 - H3	9,8 - 12,0 - 13,2 m





The modular space roof system  
with **demountable towers!**



**TOWER**  
height of  
**20 meters**  
  
=  
  
**-70%**  
transport  
**volume!**

## **ASTROroof ground support**

*with modular space frame and demountable towers*

**ASTROroof** ground support is a modular roof system based on a spatial frame structure.  
The roof can be used with the innovative **ASTRO**towers.

**ASTRO**tower is the first demountable tower in the world: it's the new concept of clever combination of optimal transport and highest possible load performance.

**ASTROroof** has been created for the construction of the biggest shows and events.

The roof system is based on combination the aluminium anti skid main chords and diagonals combined with special node points: this combination can create a roof structure of any desired size or shape.

**ASTROroof** can be built up to **37x22 meters** in size.

The new concept of clever combination the antiskid - main chords 80 mm width and 170 cm height of grid, makes safe and easy the works of workers on the structure roof (fitting cover, suspension equipment, etc.).

**ASTROroof** allows suspension points distributed on each 8 way steel node of space frame.

The special top canopy guarantees efficient water drainage.

The towers in conjunction with the ballast base system guarantee high stability and solidity of the structure.

**ASTROroof** structure includes tension gear and steel wires and steel modular ballast bases.

***ASTROroof** è copertura modulare strutturata da un grid reticolare spaziale.*

***ASTROroof** è stato progettato per favorire la gestione di grandi spettacoli ed eventi.*

*Il tetto di **ASTROroof** può essere utilizzato con le innovative **ASTRO**towers.*

***ASTRO**tower è la prima torre smontabile esistente al mondo: è la sapiente risposta al bisogno di gestire soluzioni altamente performanti con un ingombro contenuto in fase di movimentazione.*

*Il sistema reticolare **ASTRO** è dato dalla combinazione di correnti con superficie antiscivolo, diagonali in alluminio e speciali nodi in acciaio: questa combinazione può creare una struttura reticolare di qualsiasi dimensione o forma.*

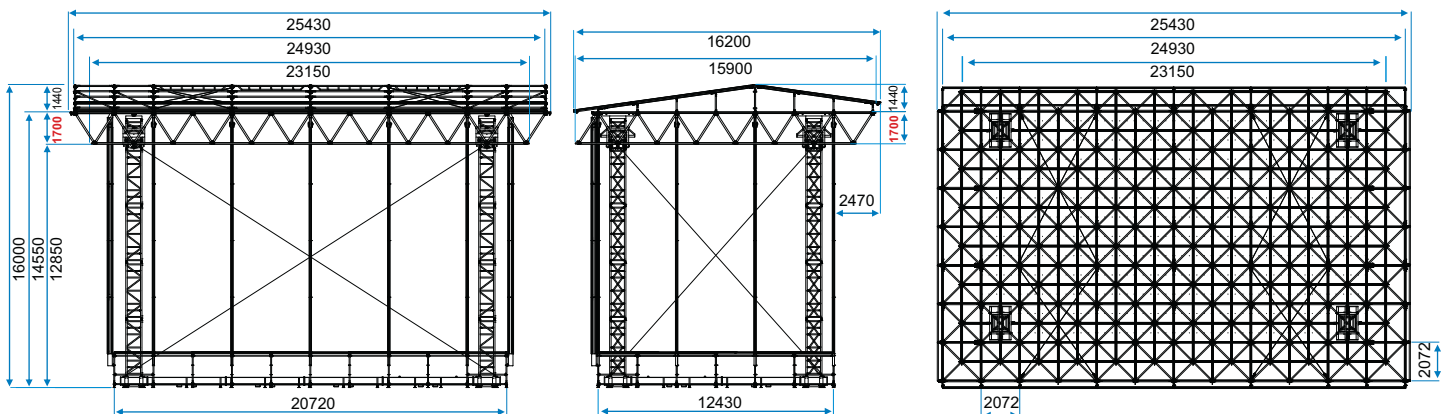
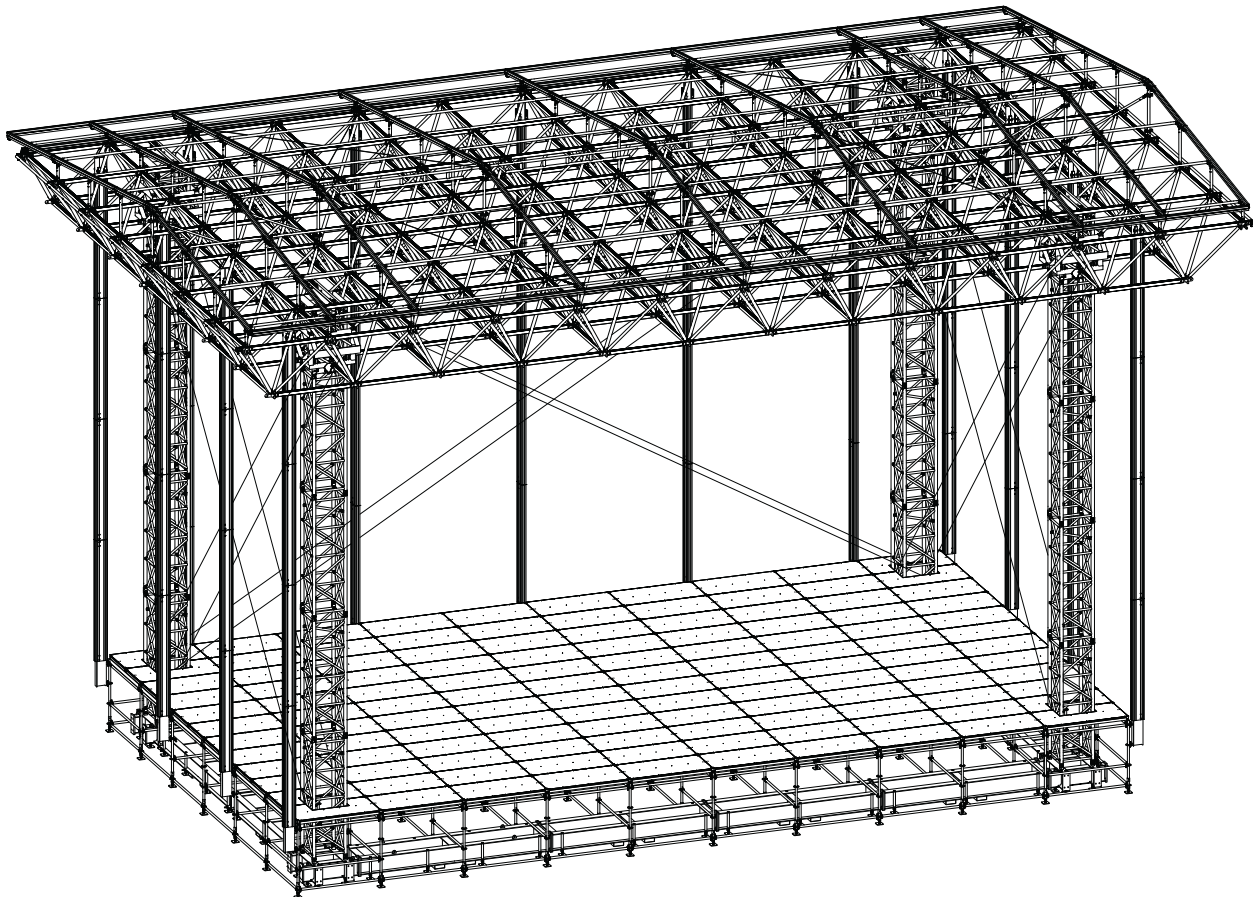
***ASTROroof** può raggiungere dimensioni pari a **37x22 metri**.*

*Il binomio dato da correnti con superficie antiscivolo larghe 80 mm ed un'altezza del reticolo pari a 170 cm rende sicuro ed agevole le operazioni in quota degli operatori. **ASTROroof** consente punti di sospensione distribuiti su ogni nodo di acciaio a 8 vie del telaio spazio.*

*Il telo di copertura appositamente progettato garantisce il drenaggio efficiente dell'acqua.*

*Le torri in combinazione con il sistema di zavorra alla base garantiscono un'elevata stabilità e solidità della struttura.*

***ASTROroof** viene fornita completa di tenditori, cavi in acciaio e base di zavorra modulare in acciaio.*



**AR2516 H16**

Main grid	Space frame 2072 x 2072 mm
Total self weight	37000 kg (of which 15000 kg of ballast)
Covered area	400 m <sup>2</sup>
Maximum tower height	14 m
Towers	ASTRO Tower
Vertical truss	S85A
Max loading capacity <sup>1</sup>	≈ 30000 kg
Roofing sheet	650g/mq - Top, sides and back
Ballast base	Included
Sound wings	Optional, not included

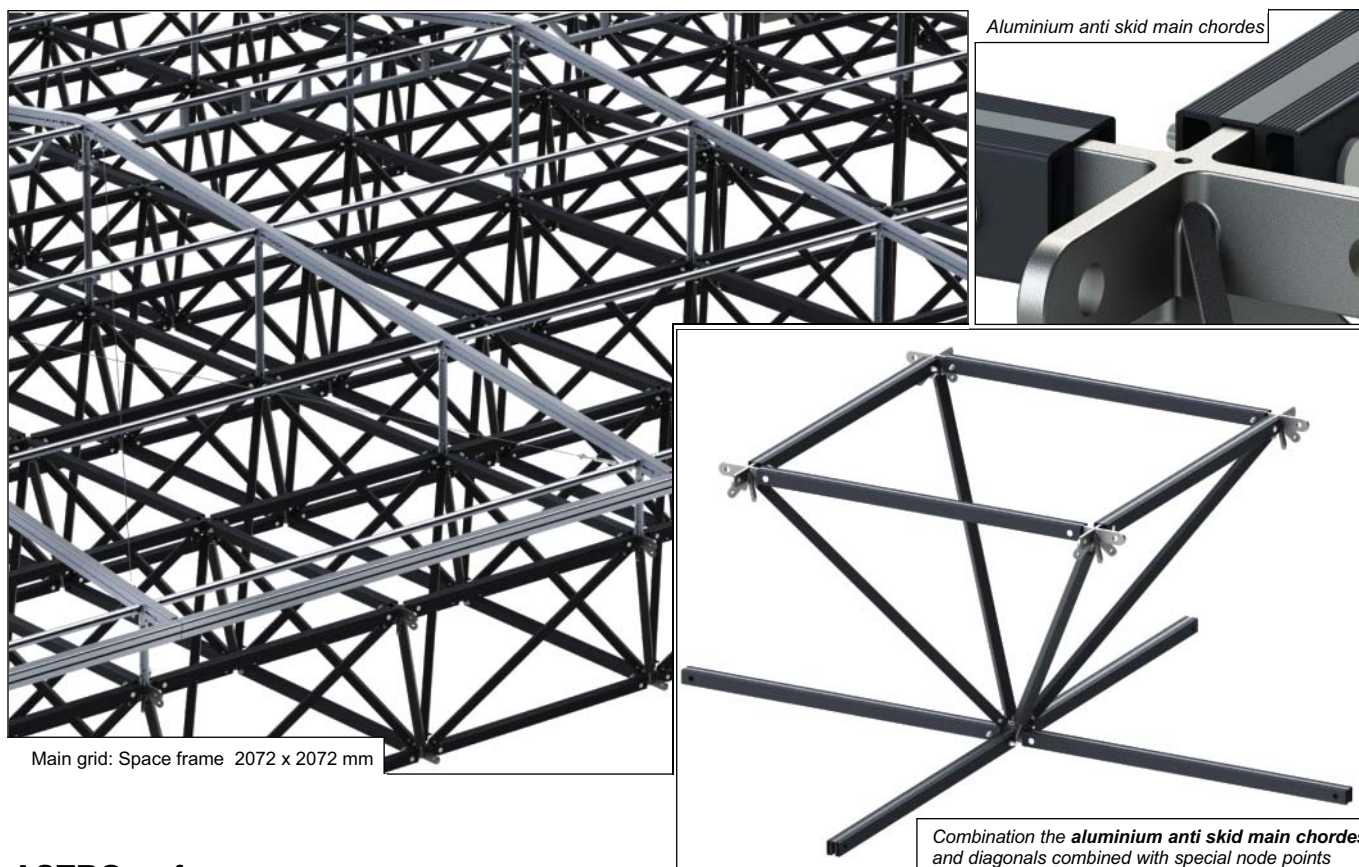
<sup>1</sup> Loading data calculated with wind speed 28 m/s

**Strengths**

- Modular roof system
- High load-bearing capacity
- Compact transport volume
- Integrated rigging points
- Safe and easy rigging access
- Measurements comply with Layher scaffolding systems: wheelbases between special node points are 207cm
- Minimum amount of diagonals allows easy creation of corridors underneath for stage sub-structure needs
- Rain gutter at front side



## ASTROroof modular space roof with demountable towers



Main grid: Space frame 2072 x 2072 mm

Aluminium anti skid main chords

Combination the aluminium anti skid main chords and diagonals combined with special node points

### ASTROroof modular space frame with demountable towers

ASTROroof has been created for the construction of the biggest shows and events.

The roof system is based on combination the **aluminium anti skid main chords** and diagonals combined with special node points: this combination can create a roof structure of any desired size or shape.

ASTROroof can be built up to **37x22 meters** in size.

The new concept of clever combination the anti skid - main chords 80 mm width and 170 cm height of grid, makes safe and easy the works of workers on the structure roof (fitting cover, suspension equipment, etc.).

ASTROroof allows suspension points distributed on each 8 way steel node of space frame.

### Accessories



#### C80-AR

Aluminium anti skid - main chords  
sizes 1940x80mm - Black anodised  
*Corrente dim. 1940x80mm in alluminio  
con superficie antiscivolo  
Anodizzato nero*



#### D60-AR

Aluminium diagonal sizes 2000x60mm  
Black anodised  
*Diagonale dim. 2000x60mm in alluminio  
Anodizzato nero*



#### ND-AR

8 way steel node of space frame  
*Nodo in acciaio a 8 vie*



#### KC80

Quick connection kit for anti skid - main  
chords: 4 steel spigots, 4 safety springs



#### KD60

Quick connection kit for diagonals :  
4 steel spigots, 4 safety springs



ASTROtower



**BCX85S**

**Safety Block**

Mechanical locking system for use sleeve block with telescopic tube and an easily accessible lever mechanism

Il dispositivo di blocco-sicurezza del carrello, integrato alla torre consente, tramite azionamento meccanico a leva, di bloccare il carrello, evitando agli operatori di portare in quota attrezzature e accessori



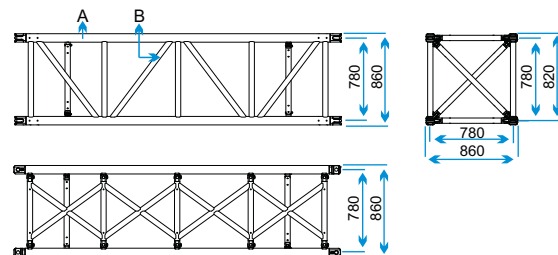
**S85A**

Square section high load aluminium demountable - truss twist-resistant version with 86cm long sides

Traliccio-smontabile antitorsivo sez. quadra lato 86cm con connessione a forca

**Connection systems**

**K85A** Quick connection kit / Kit di connessione rapida



**A** Main chords / Paralleli Ø 80x6 mm EN AW 6082 T6  
**B** Diagonals / Diagonali Ø 50x4 mm EN AW 6082 T6

**Ends:** Fork connection system  
 Connettori a forche in alluminio

**ASTROtower**

The innovative **demountable** tower

ASTROtower utilizes **S85A demountable trusses**  
 Maximum tower height **20 m** - Maximum load **8000 Kg**

**S85A** is a new concept in ultra high load truss that is the perfect choice for any temporary or semi-permanent structure. Made from high performance aluminum alloy it maintains its form and undergoes minimal deflection even at maximum load allowing higher load capacity at longer spans than any other truss system.

A unique feature of **S85A** truss is that it can be disassembled, overlaid and moved easily.

It's disassembled design reduces the transport and storage space required, making it the best investment for large structures - the perfect balance of cost, performance and handling!

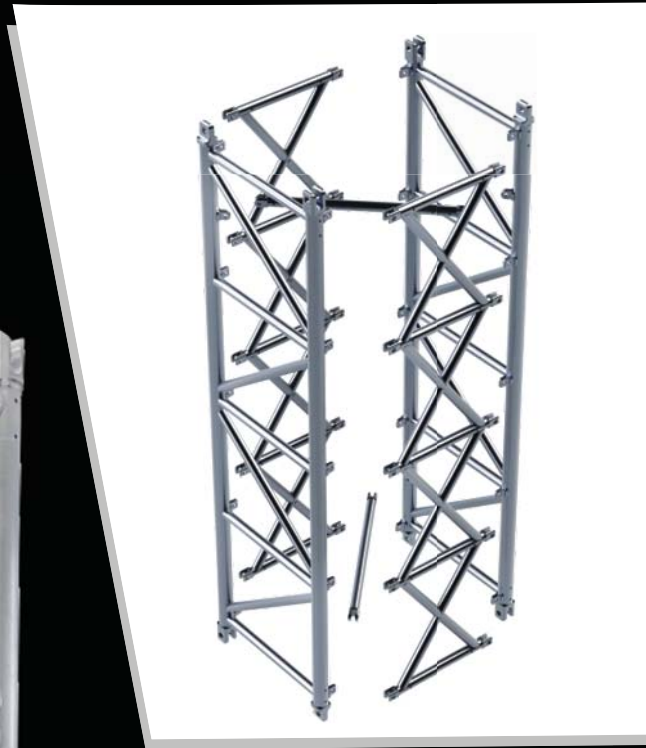
ASTROtower utilizza il traliccio in alluminio **S85A con strutturazione smontabile**  
 altezza massima della torre **20 m** – Portata massima **8000 kg**

**S85A** è un nuovo concetto di traliccio performante; è la scelta perfetta per qualsiasi struttura temporanea o semi-permanente.

Realizzato in lega di alluminio ad alte prestazioni mantiene la sua forma e subisce flessione minima anche con carichi gravosi nella gestione di campate di lunghezze importanti.

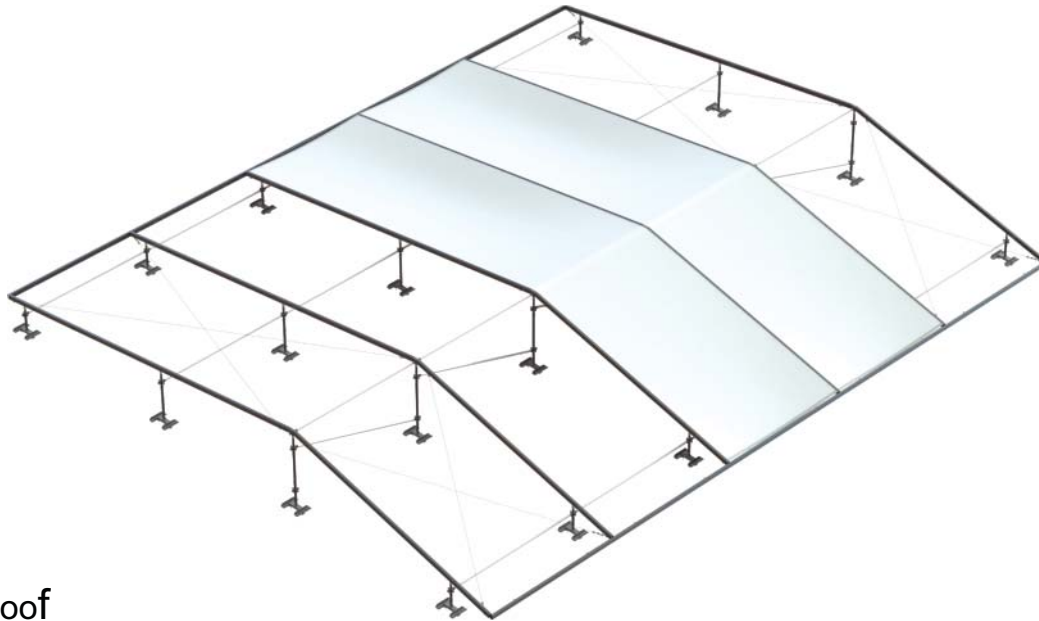
Una caratteristica unica del traliccio **S85A** è che può essere smontato, sovrapposto e rimosso facilmente.

La sua strutturazione smontabile riduce lo spazio di trasporto e di stivaggio, diventando così il miglior investimento per grandi strutture - il perfetto equilibrio di costi, prestazioni e maneggevolezza!





## SPIDERoof



### SPIDERoof

*Simple roof solution with versatile depth*

**SPIDERoof** is a highly innovative system of roof.

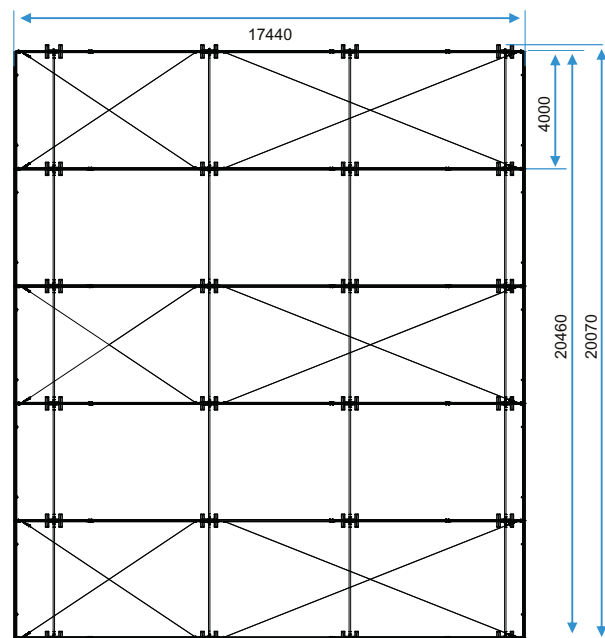
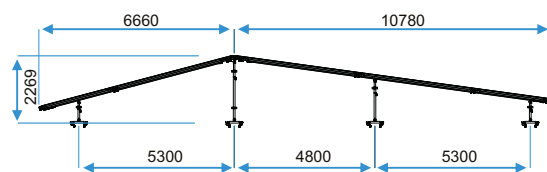
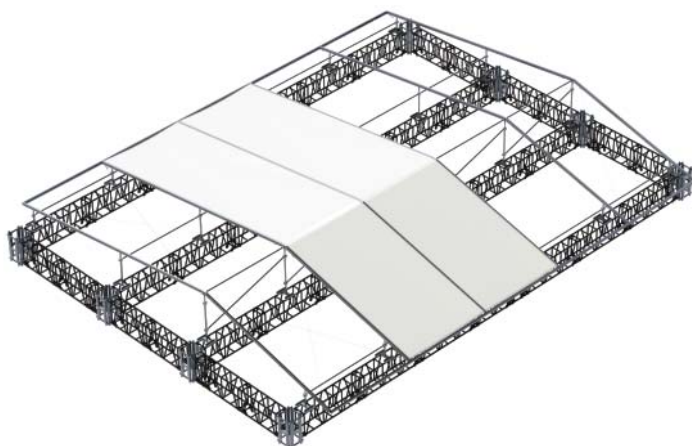
Lightweight, versatile, easy to assemble, it's ideal for create, in a simple, fast and cost-effective, roofs and coverings in general.

**SPIDERoof** (code **SR2015**) is compatible with the grid structure of EFESTO **Ground Support System** with plan dimensions 22x16m.

***SPIDERoof** è un sistema di copertura altamente innovativo.*

*Leggero, versatile, facile da montare, è ideale per creare, in modo semplice, veloce e conveniente, tetti e coperture in genere.*

***SPIDERoof** (code **SR2015**) è compatibile con il reticolo Efesto **Ground Support System** con dimensioni in pianta 22x16m.*

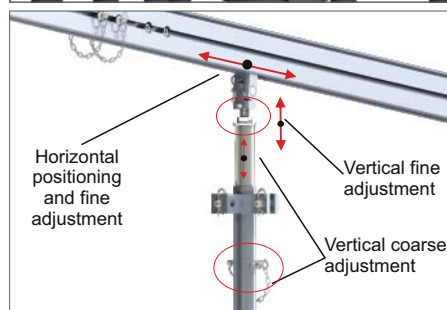
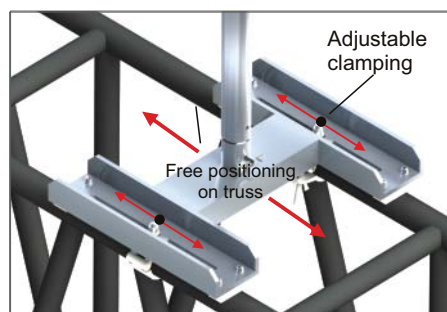


#### SR2015

#### TECHNICAL DATA

<b>Dimensions</b>	20.46 x17.44 m – h. 2.30 m
<b>Installation height</b>	max 15 m
<b>Covered area</b>	350 m <sup>2</sup>
<b>Weight</b>	1750 kg
<b>Cover</b>	Fireproof PVC canopy 650 g/m <sup>2</sup>
<b>Rafter</b>	Built-in upper guide profile for PVC cover, size 118x70mm





**SPIDERoof** is fixed to the "top chord elements" of horizontal trusses of grid. Thanks to the presence of adjustable connections, the base can be attached to any position regardless of the position of the vertical and diagonal elements of the truss.

*Il tetto **SPIDERoof** è fissato alle correnti principali superiori dei tralicci orizzontali del reticolo. Grazie alla presenza di connessioni regolabili, la base può essere fissata in qualsiasi posizione, indipendentemente dalla posizione degli elementi verticali e diagonali del traliccio.*

The columns supporting rafter elements, thanks to the telescopic structure, can be adjusted in height. Moreover, the presence of the guides in the beams of the roof allows you to adjust the horizontal position of the columns.

*Le travi portanti, grazie alla struttura telescopica, sono regolabili in altezza. Inoltre, la presenza delle guide nelle travi del tetto consente di regolare la posizione orizzontale delle travi portanti.*

All connections between the elements making up the roof, excluding those of the rafter elements and those at the base, are made with fork connectors. This allows quick assembly.

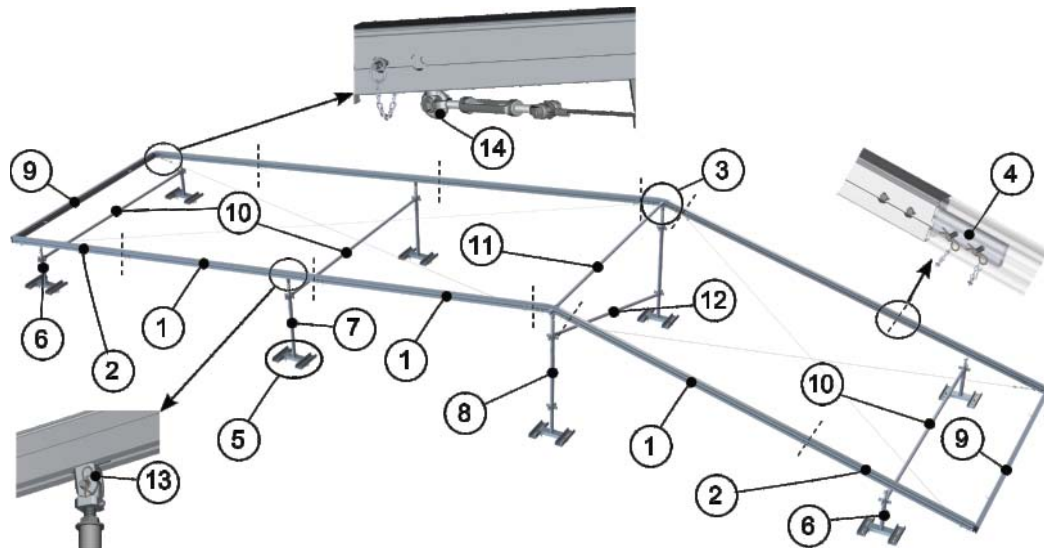
*Tutti i collegamenti tra gli elementi che compongono il tetto, esclusi quelli degli elementi trave e quelli alla base, sono realizzati con connettori a forca. Questo consente un montaggio rapido.*

The modularity and flexibility of **SPIDERoof** make it easily reconfigurable to adapt to structures of different sizes by simply adjusting the columns and/or adding/replacing some components. Any variation from the standard configuration SR2015 goes however verified and subjected to structural analysis by our technical office.

*La modularità e flessibilità del tetto **SPIDERoof** lo rendono facilmente riconfigurabile e adattabile a strutture di dimensioni diverse semplicemente regolando colonne e / o aggiungendo / sostituendo alcuni componenti.*

*Ogni variazione della configurazione standard di **SR2015** va comunque verificata e sottoposta ad analisi strutturale dal nostro ufficio tecnico.*





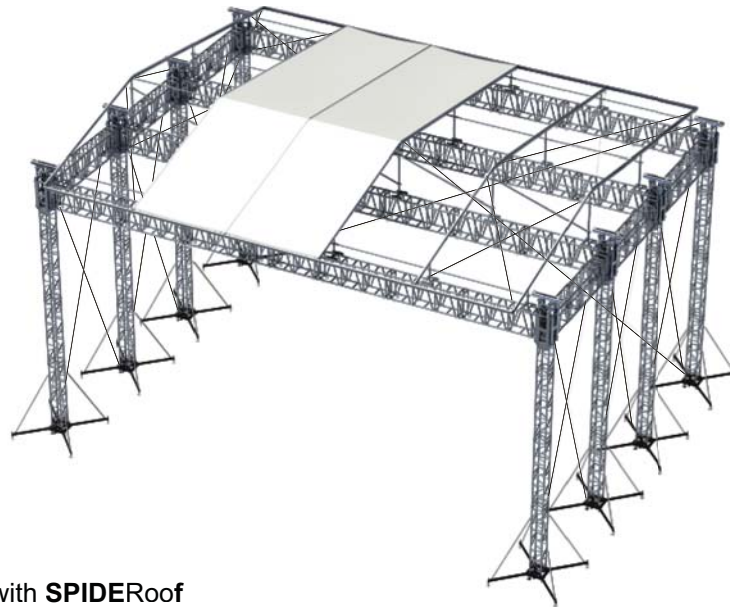
## SPIDERoof

Simple roof solution with versatile depth

### Components

 <p>1 - TS/400 2 - TS/250</p>	 <p>3 - TSL2/158</p>	 <p>4 - Code K400T</p>	 <p>5 - SSR/52</p>																																													
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 <p>13 - SU5050TS</p>	 <p>14 - G12MTS</p>	<table border="1"> <thead> <tr> <th>COMPONENT</th> <th>CODE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>TS/400</td> <td>Rafter element, length 399cm</td> </tr> <tr> <td>2</td> <td>TS/250</td> <td>Rafter element, length 249cm</td> </tr> <tr> <td>3</td> <td>TSL2/158</td> <td>Ridge element</td> </tr> <tr> <td>4</td> <td>K400T</td> <td>Connection Kit for rafters</td> </tr> <tr> <td>5</td> <td>SSR/52</td> <td>Roof support base</td> </tr> <tr> <td>6</td> <td>SRMT/700</td> <td>Column height adjustment 68/98 cm</td> </tr> <tr> <td>7</td> <td>SRMT/1400</td> <td>Column height adjustment 132/172 cm</td> </tr> <tr> <td>8</td> <td>SRMT/2000</td> <td>Column height adjustment 186/226 cm</td> </tr> <tr> <td>9</td> <td>TSCP/400</td> <td>Perimetral element</td> </tr> <tr> <td>10</td> <td>T/3870</td> <td>Horizontal connection arm, length 3870mm</td> </tr> <tr> <td>11</td> <td>T/3839</td> <td>Horizontal connection arm, length 3839mm</td> </tr> <tr> <td>12</td> <td>D/407AD</td> <td>Diagonal bracing, length 407cm</td> </tr> <tr> <td>13</td> <td>SU5050TS</td> <td>Fork with guide for rafter element</td> </tr> <tr> <td>14</td> <td>G12MTS</td> <td>Eyebolt M12 with guide for rafter element</td> </tr> </tbody> </table>		COMPONENT	CODE	DESCRIPTION	1	TS/400	Rafter element, length 399cm	2	TS/250	Rafter element, length 249cm	3	TSL2/158	Ridge element	4	K400T	Connection Kit for rafters	5	SSR/52	Roof support base	6	SRMT/700	Column height adjustment 68/98 cm	7	SRMT/1400	Column height adjustment 132/172 cm	8	SRMT/2000	Column height adjustment 186/226 cm	9	TSCP/400	Perimetral element	10	T/3870	Horizontal connection arm, length 3870mm	11	T/3839	Horizontal connection arm, length 3839mm	12	D/407AD	Diagonal bracing, length 407cm	13	SU5050TS	Fork with guide for rafter element	14	G12MTS	Eyebolt M12 with guide for rafter element
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## GROUND SUPPORT systems with SPIDERoof



### Ground SUPPORT with SPIDERoof Simple roof systems

Roof systems Ideals for large-sized covered structures and high loads  
Available in different sizes.

This roof system is supported by six towers and uses on **T52QS** and **T100R** truss **high load series** with **fork connections**.

**SPIDERoof** is mounted on the top of truss by means of adjustable supports.

The adjustable supports make it possibile to build the roof in different configurations by simply adding an extra section, varying from 10 m till 15m, stage depth.

They can be fitted with lateral wings for hanging audio and video systems, and side and back cover systems.

Each structure is provided with guy wires, canopy, tension systems structural report according to the current regulations and mounting manual.

### Ground SUPPORT con SPIDERoof Sistemi semplici di copertura

Sistemi di copertura Ideali per strutture di grandi dimensioni e carichi elevati.  
Disponibili in diverse misure.

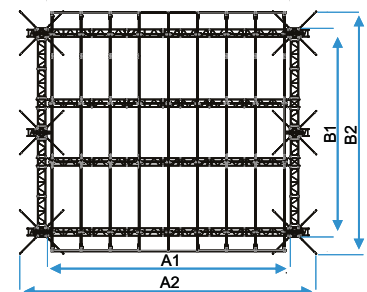
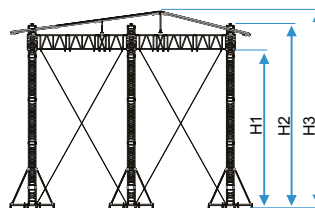
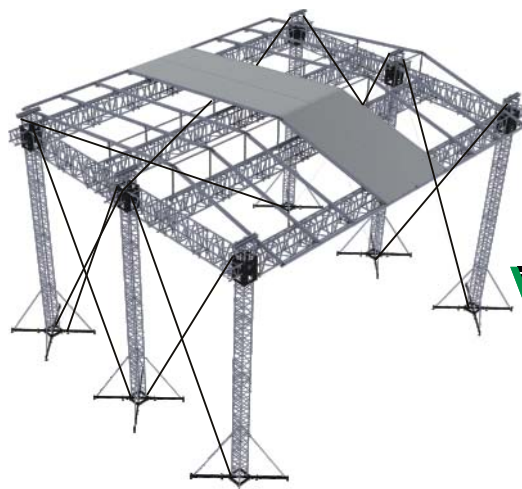
Questo ground support è configurato con sei torri e utilizza i tralicci **T52QS** e **T100R** serie modulari ad **elevate prestazioni** con **collegamenti a forca**.

**SPIDERoof** è montato sulla parte superiore del traliccio mediante supporti regolabili.

I supporti regolabili rendono possibile costruire il tetto in diverse configurazioni semplicemente aggiungendo una sezione aggiuntiva, variabile da 10 m fino a 15m di profondità - lato.

Questa configurazione può vantare di alette laterali per appendere i sistemi audio e video, e di sistema di chiusura telo laterale e posteriore.

Ogni struttura è dotata di tiranti, telo di copertura tetto, sistemi di tensione relazione di calcolo secondo le norme vigenti e manuale di montaggio.



#### SRE1614H12T6

Uniformly distributed load <sup>1</sup>	4000 Kg
Weight	7400 Kg
Volume	79 m <sup>3</sup>
Covered area	267 m <sup>2</sup>
Maximum tower height	13.56m
Towers	PT52K
Vertical truss	T52QS
Horizontal truss	S105R
Roofing sheet	650g/mq

#### SRE1614H12T6

A1-B1	16.73x13.00m
A2-B2	20.47x16.65m
H1-H2	10.90-12.71m
H3	13.5m

<sup>1</sup> Loading data calculated with wind speed of 75km/h





LED SCREEN  
SUPPORT

## FreedomFAST

Compact support for led wall



### FreedomFast, compact support for led wall systems

*FreedomFast is compact support for ledwall systems that enters into flightcase!*

This self-supporting positioning system, easy to assemble, aluminum made, is ideal solution for different kind of led systems. Fast, versatile, compact, modular: FreedomFast is the freedom to be fast in every single installation!

Ledwall support, compact version and black finish, has basic and simple design: this is the fastest solution and the better answer at ledwall star of the events and shows.

- **Compact and Lightweight:**  
each component (front and back foots, the stabilizers bracing, central positioning and securing system) disassembled enters into a flight case. Set up easy and quickly of modular system makes fast using and storage.
- **Modular:**  
the modular base with adjustable foots is suitable to different types of led modules systems.
- **Versatile:**  
the back stabilizers, height adjustable, ensure the stability of the walls up to 200cm.

### FreedomFast, supporto autoportante mobile e sospeso per display Led

*Supporto modulare con doppia applicazione*

*FreedomFast è il sistema di posizionamento autoportante, dall'assemblaggio veloce, realizzato in alluminio, ideale per sistemi led diversificati.*

*Veloce, versatile, compatto, modulare: FreedomFast è la libertà di essere veloci in ogni singola installazione!*

*Il supporto led wall, versione compact di colore verniciato nero, dal design essenziale e sobrio, è la soluzione veloce e la risposta immediata al bisogno incondizionato del led display/protagonista dell'evento/spettacolo.*

*FreedomFast è composto da:*

- *Ampia base in alluminio di colore nero (verniciatura epossidica), interamente scomponibile dotata di piedini regolabili che ne consentono un'agevole posizionamento su superfici irregolari.*
- *Le singole componenti del supporto compact (i piedi anteriori e posteriori, gli stabilizzatori, la guida di posizionamento e fissaggio centrale) smembrate entrano in un flight case. La scomponibilità, garantendo la funzionalità del sistema di supporto led display, ne semplifica la movimentazione e lo stoccaggio.*
- *La guida base di posizionamento e fissaggio centrale del display led presenta staffe di fissaggio ed ancoraggio con postazione regolabile per una maggiore adattabilità alle diverse tipologie dimensionali dei moduli led esistenti sul mercato.*
- *La giustapposizione di più dispositivi di supporto ledwall, versione compact, avviene mediante spina di raccordo laterale presente alla base.*
- *Gli stabilizzatori posteriori grazie alla doppia regolazione (l'asta stabilizzante ha una regolazione 100/200cm, la testina di aggancio girevole 360° ha una regolazione 0/10cm) rendono FreedomFast altamente versatile.*

*I piedi posteriori sono zavorrabili mediante un dispositivo aggiuntivo compatibile.*

*Il sistema di supporto ledwall va debitamente zavorrato (è possibile richiedere il dispositivo zavorrabile posteriore compatibile).*

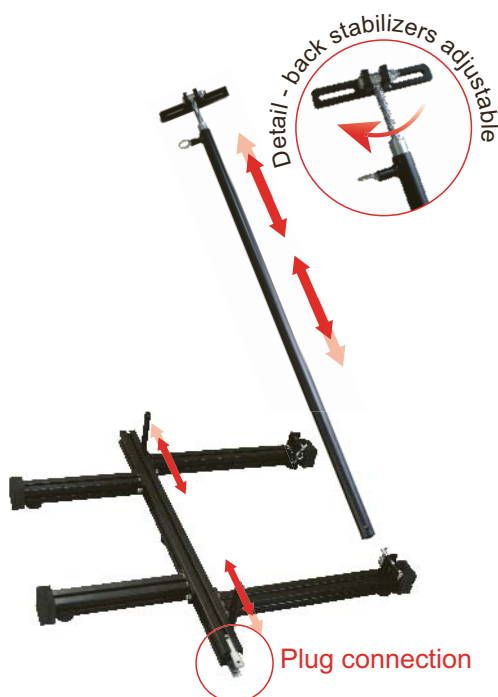




FreedomFast is the freedom to be fast in every installation and applications of Led display!

FreedomFast is a support with two possibilities of applications:

- 1) **Self-supporting** positioning suitable to each kind of Led screen
- 2) **Hanging-supporting** for Led screen with quick clamps /or trusses adaptor



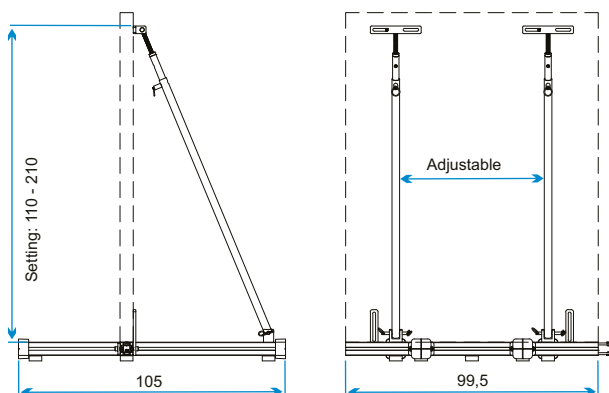
**Self-supporting**



**Hanging-supporting**

1

2



**Compact support for ledwall system that enters into flightcase!**

The individual components of the compact support disassembled enters into flightcase.  
 The modularity, guaranteeing the functionality of support system for LED wall, simplifies handling and storage.  
**5 pieces FreedomFast enters into a flightcase size 60x120cm**  
*Le singole componenti del supporto compact smembrate entrano in un flight case.*  
*La scomponibilità, garantendo la funzionalità del sistema di supporto ledwall, ne semplifica la movimentazione e lo stoccaggio.*  
 In un baule di dimensioni 60x120cm entrano n. **5 FreedomFast.**



- Versatile
- Modular
- Compact

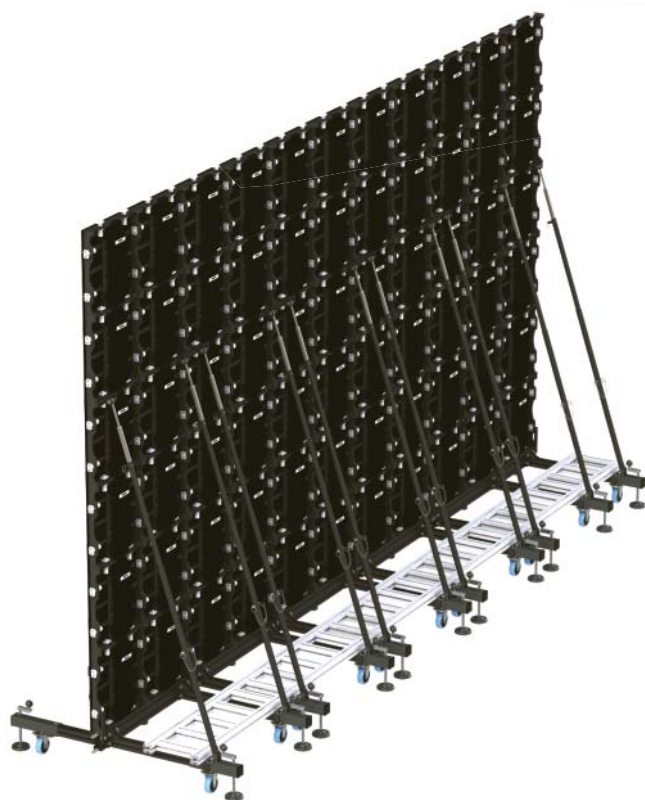
**FF100**

**TECHNICAL DATA**

<b>Dimensions (open)</b>	105 x 99,5 cm
<b>Max height of display<sup>1</sup></b>	3,0 m
<b>Weight</b>	15,5 kg
<b>Back stabilizers</b>	Adjustable 100 - 200 cm
<b>Volume</b>	0,026 m <sup>3</sup>
<b>Max capacity load</b>	<b>400kg</b> (for single module)
<b>Use type</b>	Indoor
<b>Color</b>	Black (epoxy painting)
<b>Welding</b>	TIG /MIG (UNI EN ISO 9606-1/2)

<sup>1</sup> With a ballast of 100kg on base (max height 2,50m without ballast)





## FreedomPower: roller-support and hanging-support for Led screen

*Modular support system with double application*

FreedomPower is support with different modularity for management of positioning of led screen.

FreedomPower has double application :

it's self-supporting with castors for an easy and fast handling of display led in any application and this is hanging-support when you need.

FreedomPower presents modules of different length with upper guides (100 cm, 200 cm 300 cm, 400 cm) for right accessories.

Compact, modular, versatile, lightweight is suitable to different systems of Led display.

The connection between the modules happens with fast connection kit.

FreedomPower has a wide black aluminum base (epoxy painting). The base completely disassembled has adjustable foots for better positioning on irregular surfaces.

The central base guide of positioning and mounting of LED display has adjustable fixing devices for a better adaptability to different kind of led modules.

The back stabilizers have double adjustment:

- stabilizers adjustable 0 /20cm
- top stabilizers adjustable 0 /10 cm and it swivel 360°

FreedomPower is right solution when the anchor points are few and the led display is long.

Led screen support system must be ballasted. You can request a device compatible for back ballast.

## FreedomPower supporto autoportante mobile e sospeso per display Led

*Supporto modulare dalla doppia applicazione*

FreedomPower è il supporto con modularità diverse per la gestione del posizionamento di schermo a led.

FreedomPower ha doppia applicazione: è autoportante con ruote per una gestione facile e veloce del display led in qualsiasi tipo di applicazione.

A bisogno FreedomPower diventa supporto sospeso.

FreedomPower presenta moduli di diversa lunghezza con guide superiori incorporate necessarie all'inserimento degli accessori di riferimento (100 cm, 200 cm a 300 cm, 400 cm).

Compatto, modulare, versatile, leggero è adatto a diversi sistemi di display LED.

Il collegamento tra i moduli avviene con kit di connessione rapida.

FreedomPower ha una ampia base in alluminio nero (verniciatura epossidica). La base completamente smontata ha piedini regolabili per un migliore posizionamento su superfici irregolari. La base-guida centrale di posizionamento del display LED ha componenti di fissaggio adattabili nel posizionamento ai diversi tipi di moduli led esistenti.

Gli stabilizzatori posteriori hanno doppia regolazione:

- stabilizzatori regolabili 0 / 20cm
- top stabilizzatori regolabili 0/10 cm e girevoli a 360 °

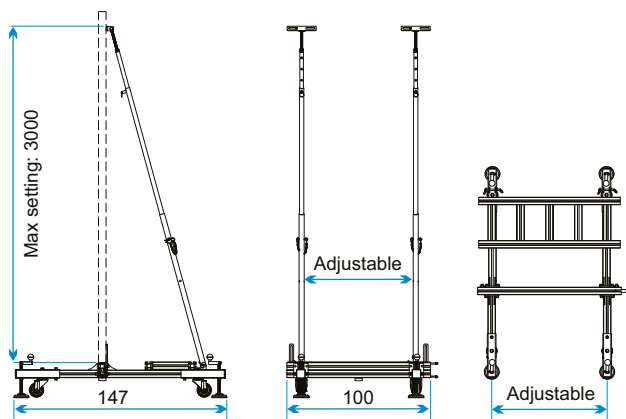
FreedomPower è la soluzione giusta quando i punti di ancoraggio sono pochi e il display a led ha lunghezza importante.

Il sistema di supporto dello schermo LED deve essere zavorrato. È possibile richiedere il dispositivo zavorrabile posteriore compatibile.



1 **Roller-support**

**Hanging-support** 2



Accessories



**G12MTS**  
Eyebolt M12 with guide for rafter element



**K400T**  
Connection Kit for FreedomPower

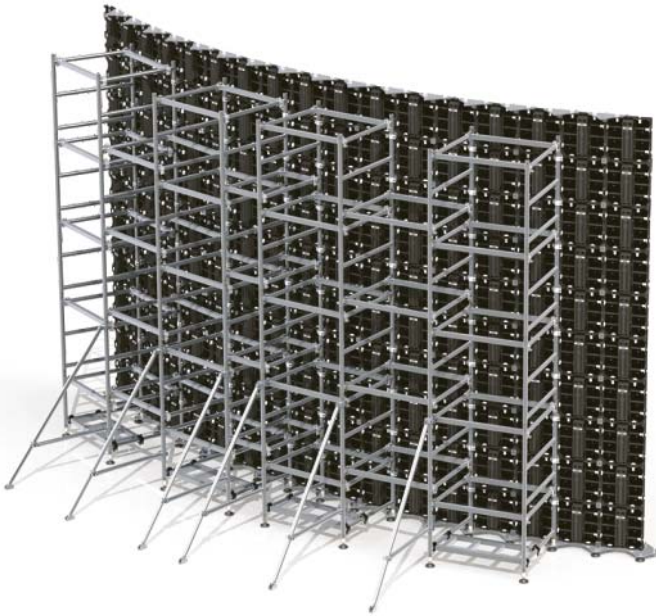


**FFP100B**  
Aluminium device for back ballast

FreedomPower TECHNICAL DATA	
Dimensions (open)	Standard version 150 x 100 cm
Max height of display	4,5 m <sup>1</sup>
Weight	33,8 kg
Back stabilizers	Adjustable 100 - 300 cm
Volume	0,09 m <sup>3</sup>
Max capacity load	500 Kg
Use type	Indoor
Color	Black (epoxy painting)
Welding	TIG /MIG (UNI EN ISO 9606-1/2)

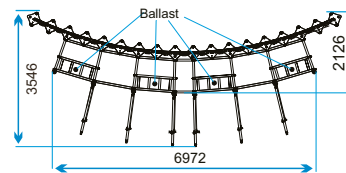
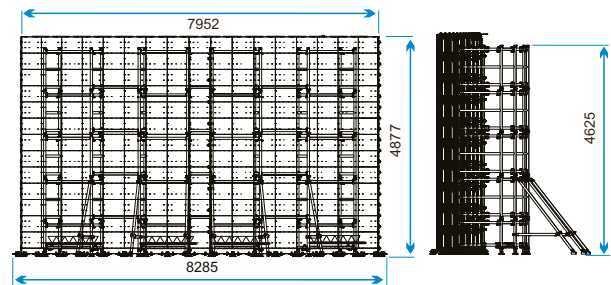
1 Above a height of 2,50 m it is necessary to ballast the base

FreedomPower has different modularity of lengths: 200cm long base, 300cm long base, 400 cm long base  
The different modularity are supplied with the suitable number of stabilizers and of feet kits.



## ARC SUPPORT

for an large Led screen  
*indoor use* ideal solution



### Legend



### Arc support

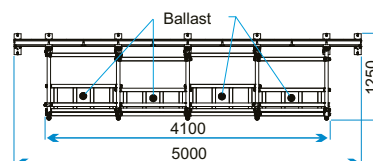
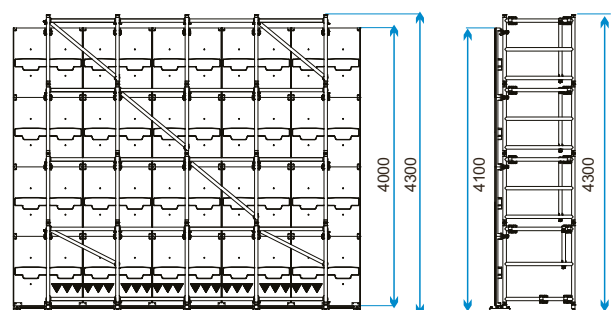
### TECHNICAL DATA

<b>Material</b>	Aluminium EN A-6082 T6
<b>Dimensions</b>	8x5 m (bxh)
<b>Overall Dimensions</b>	8x3m height 4.9 m
<b>Weight</b>	370 Kg
<b>Ballast</b>	600 Kg
<b>Weilding</b>	TIG (EN ISO 4063-141)



## LINEAR SUPPORT

for an large Led screen  
*indoor use* ideal solution



### Legend



### Linear support

### TECHNICAL DATA

<b>Material</b>	Aluminium EN A-6082 T6
<b>Dimensions</b>	5x4 mt(bxh)
<b>Overall Dimensions</b>	5 x1,25m height 4.3 m
<b>Weight</b>	320 Kg
<b>Ballast</b>	600 Kg
<b>Weilding</b>	TIG (EN ISO 4063-141)





## LED or VIDEO SCREEN SUPPORT

### Led or video screen support

The use of outdoor Led or Video screens is increasing.

Efesto offers different kind of structures and solutions for hanging screens in an efficient and safe way.

Screen supports for a wide range of applications can be configured using standard products: for example towers and truss range.

All Efesto screen supports comply with the applicable regulations and standards, including wind force resistance up to wind speeds of 28 m/s.

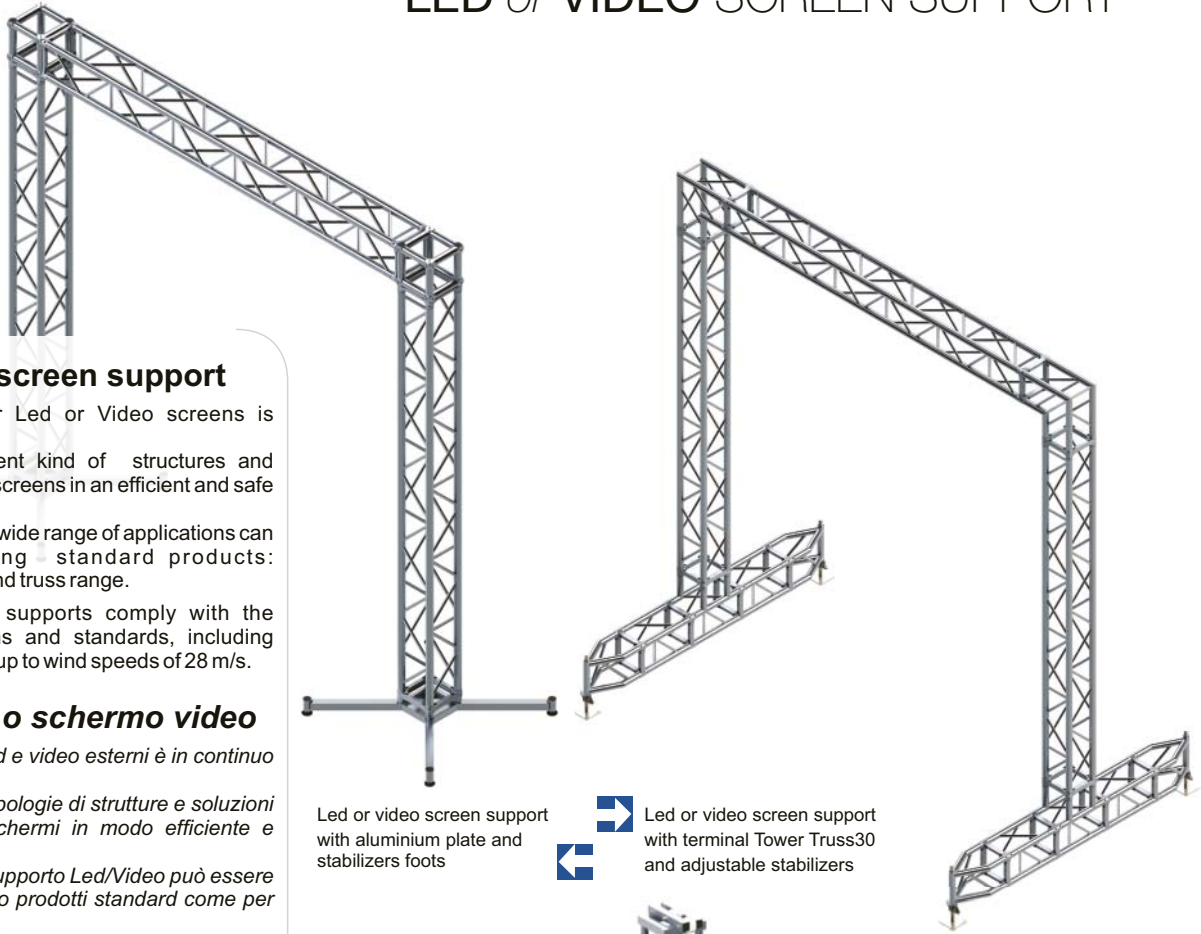
### Supporti Led o schermo video

*L'uso di schermi a Led e video esterni è in continuo aumento.*

*Efesto offre diverse tipologie di strutture e soluzioni per appendere gli schermi in modo efficiente e sicuro.*

*In molte situazioni il supporto Led/Video può essere configurato utilizzando prodotti standard come per esempio torri e tralicci.*

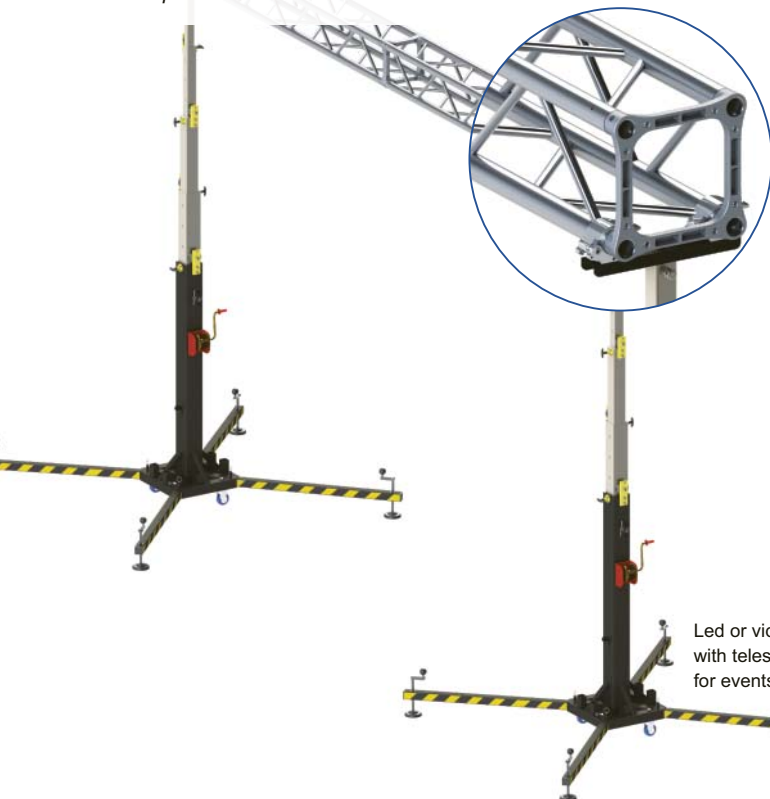
*Tutti i supporti Led/Video della Efesto vengono configurati nel rispetto delle norme vigenti con adeguamento della resistenza a una forza del vento pari ad una velocità di 28 m/s.*



Led or video screen support with aluminium plate and stabilizers foots



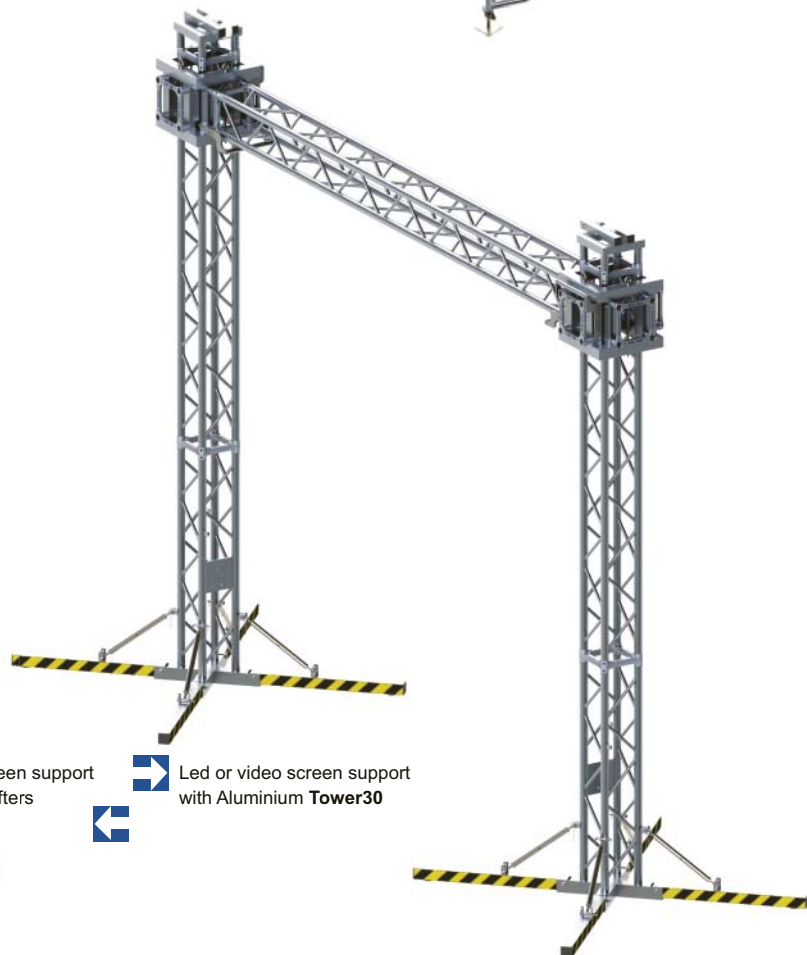
Led or video screen support with terminal Tower Truss30 and adjustable stabilizers

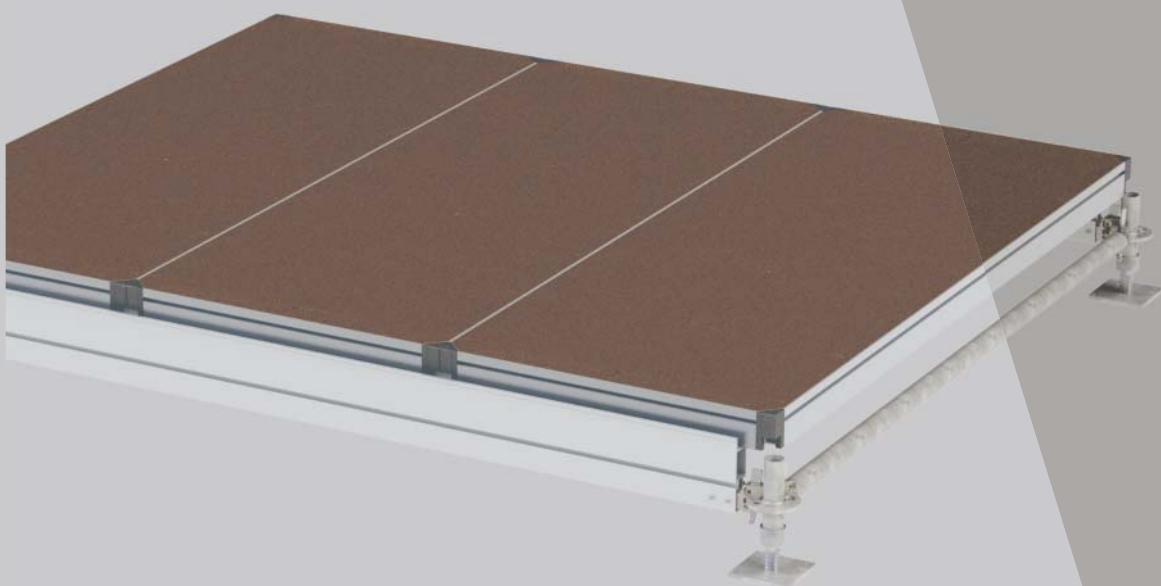
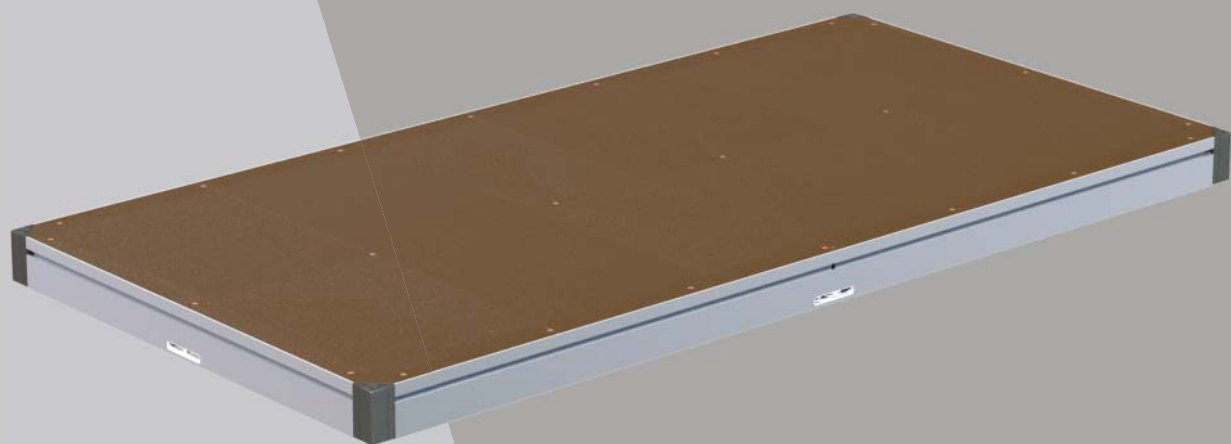


Led or video screen support with telescopic lifters for events



Led or video screen support with Aluminium Tower30





STAGE

# STAGE



## EFESTO staging

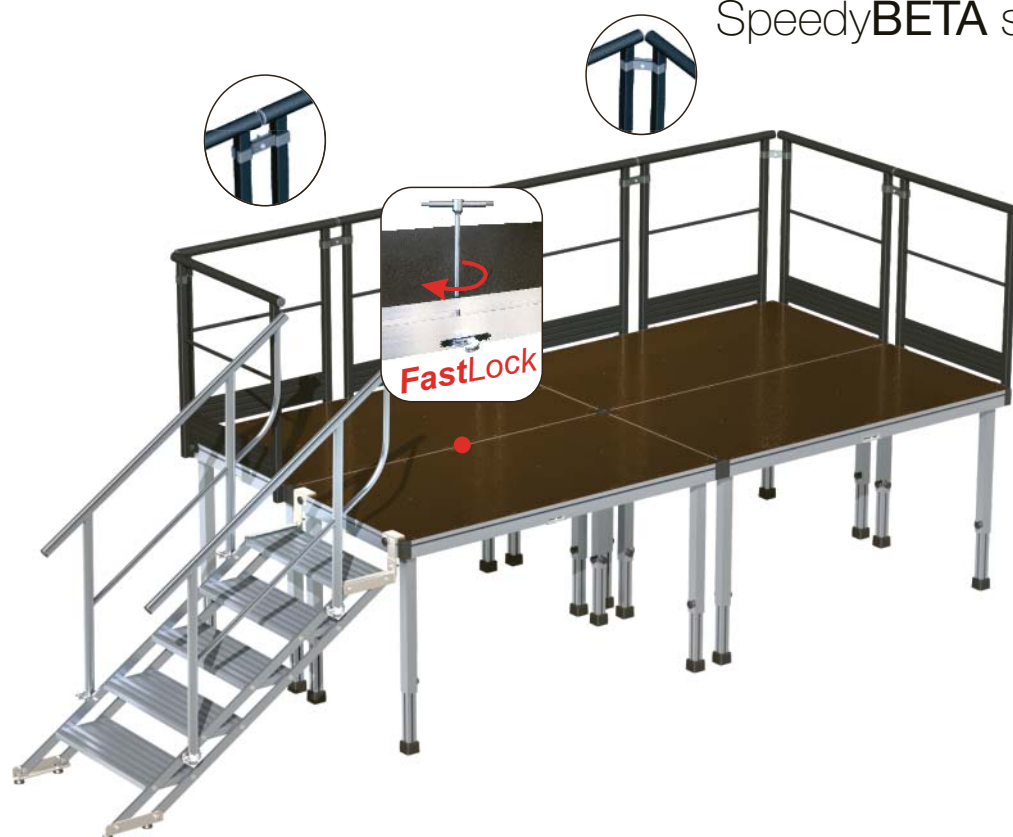
### ***EFESTO stage is without play!***

Efesto designs and makes modular platforms, they are ideal solution for applications as podiums, stages, grandstands, towers director, cat walks, outdoor or indoors events.

Efesto's stages are without play because they have aluminium frame welded.

Set up easy and fast. FastLock is connection device between deck and rail system for don't lift deck.





## SpeedyBETA stage

Modular platform, made in welded aluminum, for stages and podiums height adjustable, suitable for indoor and outdoor applications.

### Technical data

- Birch plywood, 12mm thick platform, anti skid top layer and fireproof, water resistant, for phenolic coating on both sides (Fig.1)
- Aluminum frame with shocks protection board of wooden deck panel (Fig. 3)
- The legs are fitted to the bottom deck frame and are fixed in position by special joint (Fig.2)
- In the bottom of deck there is a quick connection system between the decks: BETA FastLock - is actuated by hexagonal key (Fig.4)
- Plastic corners of deck are removable. They make accessible the guides along the frame for mounting accessories (Railings, scale, etc.) (Fig.3)

Piattaforma modulare, in alluminio saldato, per palchi e podi di altezza variabile. Adatto per applicazioni in ambienti interni ed esterni.

### Caratteristiche

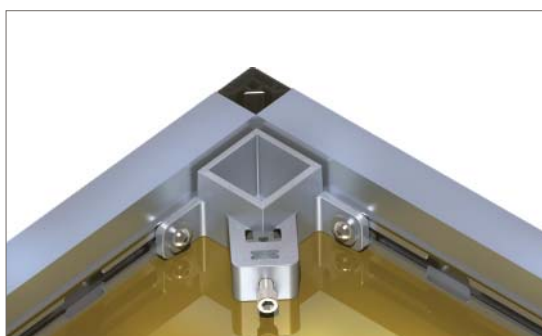
- Pianale in legno multistrato di betulla di spessore 12mm rivestito con film fenolico su entrambe le facce e particolare impronta antiscivolo sulla faccia superiore (Fig.1). Il rivestimento fenolico ne garantisce l'impermeabilità e la resistenza all'usura;
- Telaio in alluminio saldato con bordino di protezione del pianale in legno dagli urti (Fig.3)
- Giunto per gamba ad incastro per fissare le gambe ai quattro angoli dell'impalcato (Fig.2)
- Sistema integrato di connessione rapido tra gli impalcati FastLock BETA con azionamento dall'alto tramite chiave esagonale (Fig.4)
- Inserti d'angolo in plastica asportabili: rendono accessibili le guide lungo il telaio per il montaggio degli accessori (Parapetti, scala, ecc.) (Fig.3)



(Fig.1)



(Fig.3)



(Fig.2)



(Fig.4)



## SpeedyBETA stage B

### BETA stage deck



Deck **BETA stage**: aluminium frame, marine plywood, antiskid, fireproof

*Tavola palco **BETA stage**: telaio in alluminio, plywood marino, antiscivolo ed ignifugo*

Code	Dimensions	Weight	Capacity Load
<b>SB12/10050</b>	50x100x9,2 cm	18.00 Kg	750 Kg/m <sup>2</sup>
<b>SB12/100100</b>	100x100x9,2 cm	24.00 Kg	750 Kg/m <sup>2</sup>
<b>SB12/200100</b>	100x200x9,2 cm	39.00 Kg	750 Kg/m <sup>2</sup>

### BETA stage legs



Adjustable jointed foot  
*Piedino snodato regolabile*

Code	Dimensions	Height <sup>1</sup>	Weight
<b>SB/PR1012</b>	9x6x6 cm	10/12 cm	0.3 Kg

<sup>1</sup> Deck height adjustment

Aluminium fixed legs.  
Available with different lengths.

*Gamba fissa in Lega di alluminio.  
Disponibile in diverse lunghezze.*



Code	Dimensions	Height	Weight
<b>SBR/H20</b>	19x6x6 cm	20 cm	0.4 Kg
<b>SBR/H30</b>	29x6x6 cm	30 cm	0.6 Kg
<b>SBR/H40</b>	39x6x6 cm	40 cm	0.8 Kg
<b>SBR/H50</b>	49x6x6 cm	50 cm	0.9 Kg
<b>SBR/H60</b>	59x6x6 cm	60 cm	1.1 Kg
<b>SBR/H70</b>	69x6x6 cm	70 cm	1.3 Kg
<b>SBR/H80</b>	79x6x6 cm	80 cm	1.5 Kg
<b>SBR/H90</b>	89x6x6 cm	90 cm	1.7 Kg
<b>SBR/H100</b>	99x6x6 cm	100 cm	1.9 Kg

Aluminium telescopic leg with rubber foot anti slipping. Available with different range of adjustment for height from 40 cm to 200 cm.

*Gamba telescopica in Lega di alluminio con piede in gomma antiscivolo che protegge la superficie d'appoggio. Disponibile con diversi range di regolazione.*



Code	Dimensions	Height	Weight
<b>SBRT40/60</b>	39x6x6 cm	40/60 cm	1.7 Kg
<b>SBRT50/80</b>	49x6x6 cm	50/80 cm	2.0 Kg
<b>SBRT60/100</b>	59x6x6 cm	60/100 cm	2.5 Kg
<b>SBRT70/120</b>	69x6x6 cm	70/120 cm	2.9 Kg
<b>SBRT90/150</b>	89x6x6 cm	90/150 cm	3.7 Kg
<b>SBRT120/200</b>	119x6x6 cm	120/200 cm	4.8 Kg



Diagonal bracings  
*Diagonali di controventatura*

Code	Length	Weight
<b>DB1/200</b>	135 cm	1.4 Kg
<b>DB2/200</b>	215 cm	2.2 Kg

### Accessories



**SBL60-K2**  
2 legs connector  
*Connettore - 2 gambe*



**SBL60-K4**  
4 legs connector  
*Connettore - 4 gambe*



### Self-leveling stair

Self-leveling stair with aluminum railings (lightweight and strong). Step anti-skid width 82 cm and depth 30 cm.  
*Scala autolivellante (si adatta all'altezza dell'impalcato) interamente in alluminio con parapetti (leggera e robusta). Gradino con rilievi antisdrucchiolo di larghezza 82 cm e profondità (pedata) 30 cm.*

Code	Dimensions	Number steps	Weight
SB/3	90 x 17 x 135 cm	3	40 Kg
SB/4	90 x 17 x 170 cm	4	51 Kg
SB/5	90 x 17 x 200 cm	5	61 Kg



### Steel railing

Steel railing 100 cm height provided with connection system to the deck frame, block foot and central bracing.  
*Parapetto con arresto al piede (D.Lgs 81/08). Parapetto in acciaio verniciato nero provvisto di sistema di connessione al profilo dell'impalcato, fermapiedi, corrente intermedio e corrimano ad altezza utile di 1m dall'impalcato.*

Code	Dimensions	Capacity Load	Weight
SBP200/100100	100x110x5 cm	100 Kg/m <sup>2</sup>	16 kg

### Accessories



**SBP/KL**  
Railing connector straight  
*Connettore diritto per parapetto*



**SBP/KA**  
Railing connector for corner  
*Connettore ad angolo per parapetto*

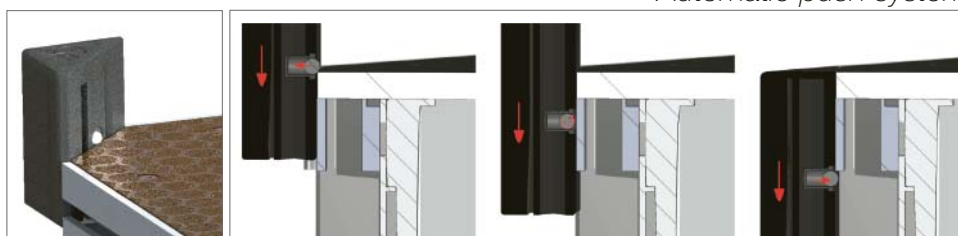


**CHIAVETTA**  
Hexagonal key (Allen wrench) – 8/10mm  
*Chiave esagonale (brugola) – 8/10mm*

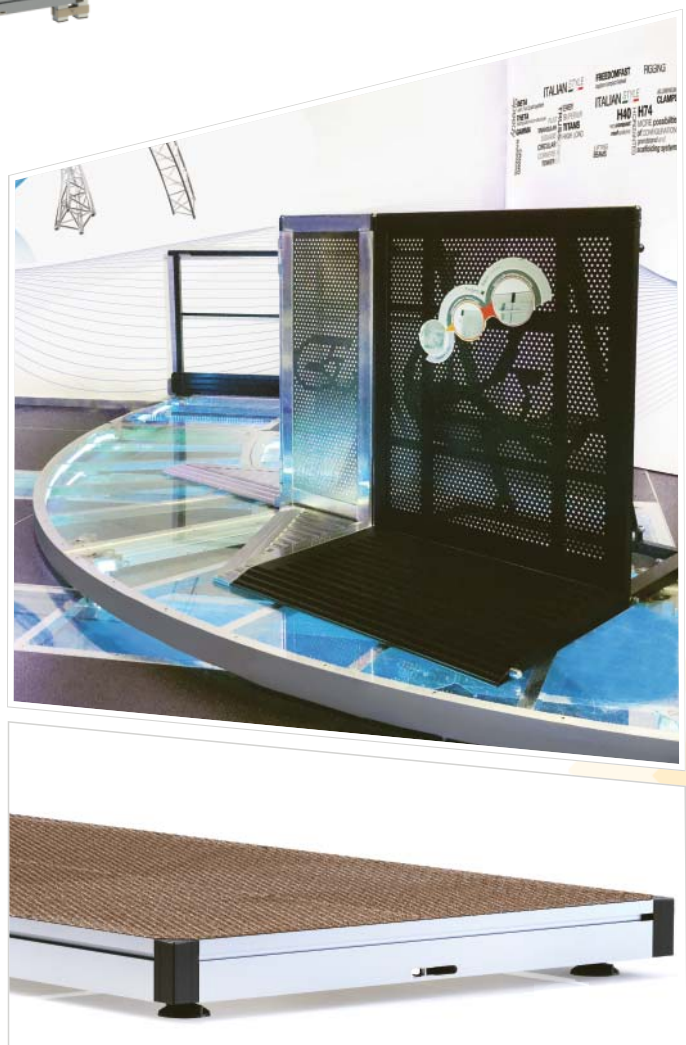
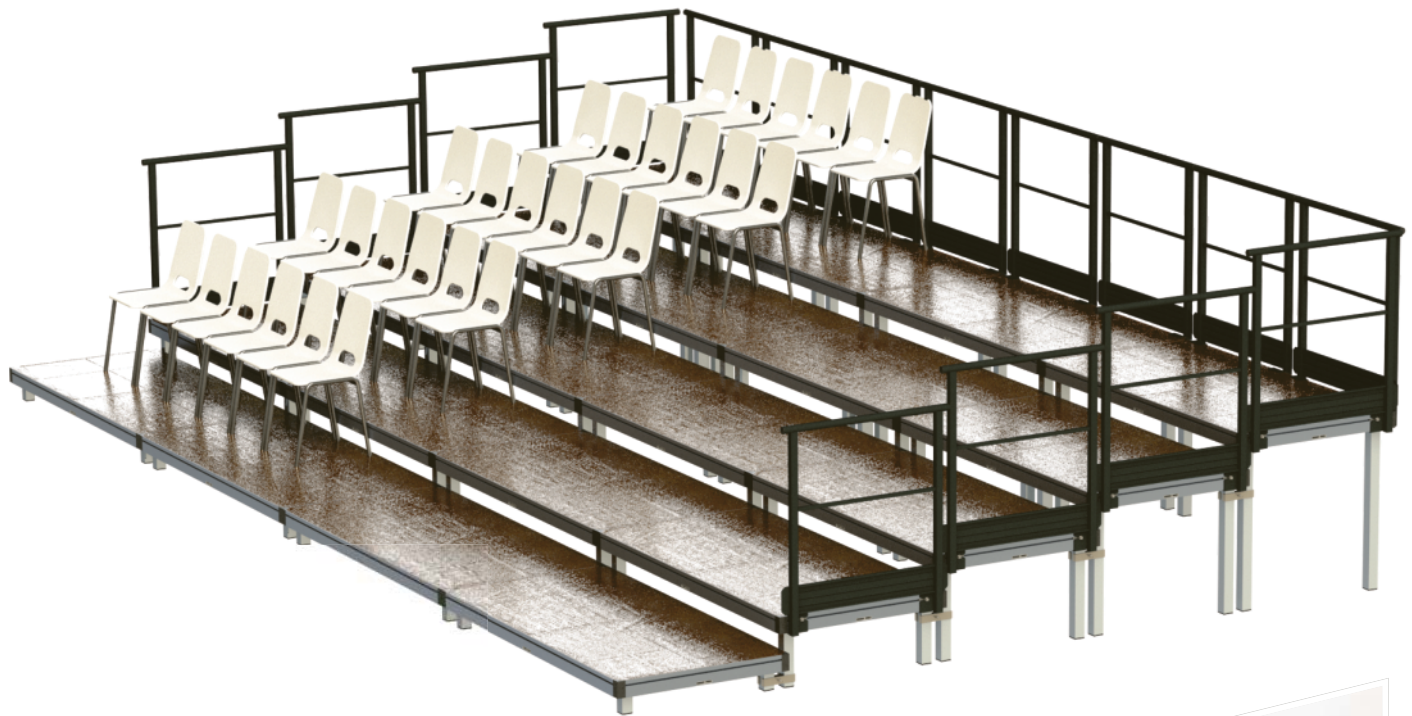


**TA4791B**  
Removable corner with automatic push systems - Black finish  
*Angolo estraibile con pressione automatico - Colore nero*

### Automatic push system









### Speedy**GAMMA** stage

Modular platform of scaffolding, made in weld aluminum, systems for stages and podiums , suitable for indoor and outdoor applications.

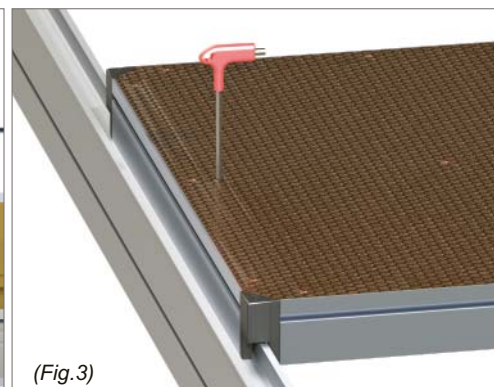
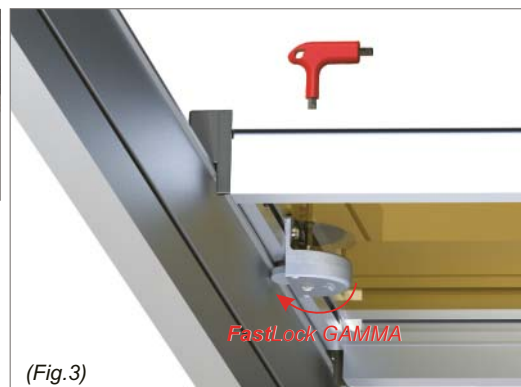
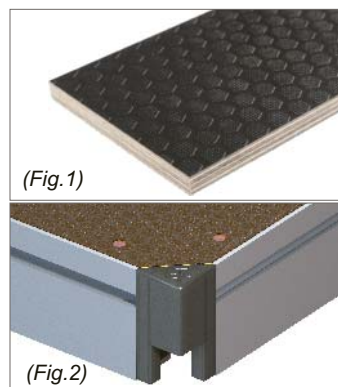
#### Technical data

- Birch plywood, 12mm thick platform , anti skid top layer and fireproof, water resistant, for phenolic coating on both sides (Fig.1)
- Aluminum frame with shocks protection board of wooden deck panel (Fig.2)
- Plastic corners of deck panel are removable. They make accessible the guides along the frame for mounting accessories (Railings, scale, etc.) (Fig.2)
- In the bottom of deck there is a quick connection system between the decks : **GAMMA FastLock** - is actuated by hexagonal key (Fig.3) for a security and reliable positioning of stages

*Piattaforma Efesto per la realizzazione di podi e palchi su sistema multidirezionale.*

#### Caratteristiche

- *Pianale in legno multistrato di betulla di spessore 12mm rivestito con film fenolico su entrambe le facce e particolare impronta antiscivolo sulla faccia superiore (Fig.1) Il rivestimento fenolico ne garantisce l'impermeabilità e la resistenza all'usura*
- *Telaio in alluminio saldato con bordino di protezione del pianale in legno dagli urti (Fig.2)*
- *Inseri d'angolo in plastica, asportabili per l'elevazione dei montanti del sistema multidirezionale (Fig.2)*
- *Nella parte inferiore del piano stage c'è un sistema di aggancio rapido tra i pannelli : **GAMMA FastLock** che azionato dall'alto tramite una chiave esagonale impedisce il sollevamento accidentale dell'impalcato.*





## SpeedyGAMMA stage

### GAMMA stage deck



Deck **GAMMA stage**: aluminium frame, marine plywood, antiskid, fireproof

*Tavola palco **GAMMA stage**: telaio in alluminio, plywood marino, antiscivolo ed ignifugo*

Code	Dimensions(axb x h)	Weight	Capacity Load
SG12/086207	86 x207x9,2 cm	31.00 kg	750 Kg/m <sup>2</sup>
SG12/104207	104x207 x9,2 cm	36.00 kg	750 Kg/m <sup>2</sup>
SG12/086257	86 x257x9,2 cm	39.00 kg	500 Kg/m <sup>2</sup>
SG12/100200	100 x200x9,2 cm	34.00 kg	750 Kg/m <sup>2</sup>

### GAMMA stage rail



*SpeedyGamma rail system can be attached by means of special joints at scaffolding systems as a usually scaffolding current, allowing the support of decks. The particular profile of SpeedyGamma stage, allows the use of the special locking system "GAMMA FastLock".*

*La traversa "GAMMA" si aggancia, tramite gli appositi giunti, al sistema multidirezionale come un normale corrente, consentendo l'appoggio degli impalcati. Inoltre, il particolare profilo, consente l'utilizzo del sistema di blocco degli impalcati "GAMMA FastLock".*

Code	Base module wheelbases	Weight
SGT/100	100 cm	7.00 Kg
SGT/104	104 cm	7.20 Kg
SGT/200	200 cm	12.5 kg
SGT/207	207 cm	13.0 kg
SGT/257	257 cm	16.0 kg

### Accessories



**FL 100**  
**GAMMA FastLock**

Fast connection system between deck and rail system  
*Sistema di aggancio rapido tra telaio e traversa*



**CHIAVETTA**

Hexagonal key (Allen wrench) – 8/10mm  
*Chiave esagonale (brugola) – 8/10mm*

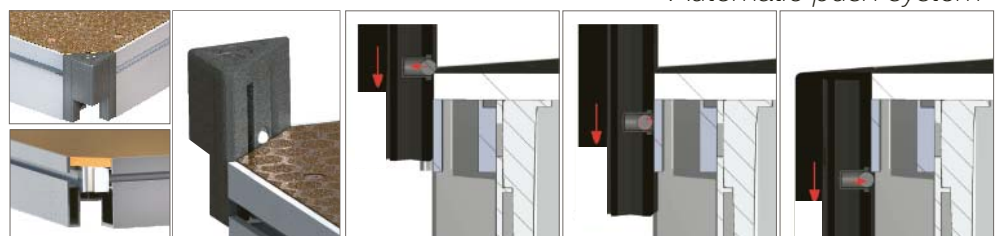


**TA4791**

Removable corner with automatic push systems - Black finish

*Angolo estraibile con pressore automatico - Colore nero*

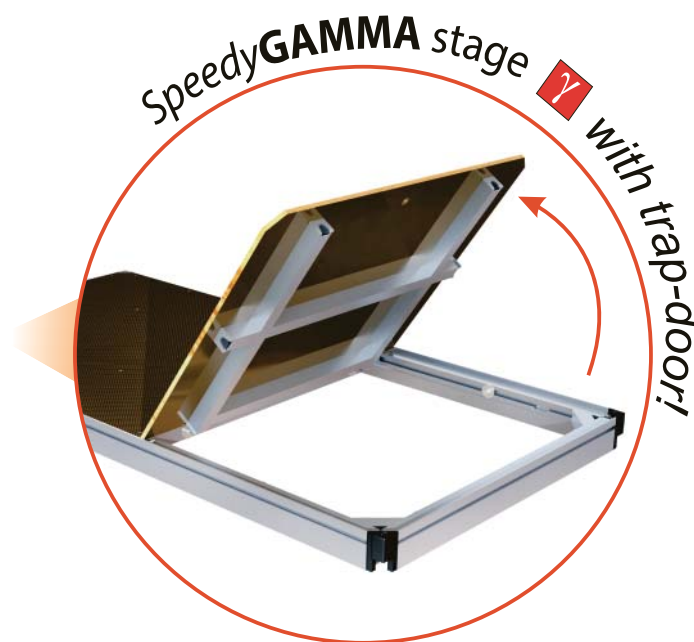
### Automatic push system





## SpeedyGAMMA stage

with trap-door



### SPEEDY GAMMA stage

Modular platform with trap-door

The **Speedy Gamma** stage with trap-door, by connecting different floors, allows the operators to work at different levels.

**Speedy Gamma** is the ideal stage for applications as podiums, stages, grandstands, towers director, flooring for theater performances, catwalks, outdoor or indoors events.

The modularity of **Speedy Gamma** stage makes easy and fast the assembly. **FastLock** device, fast connection system between deck and rail system, prevents accidental lifting of the deck.

Lightweight and modular it is easy to assemble and compact, ideal solution for storage and transport.

### SPEEDY GAMMA stage

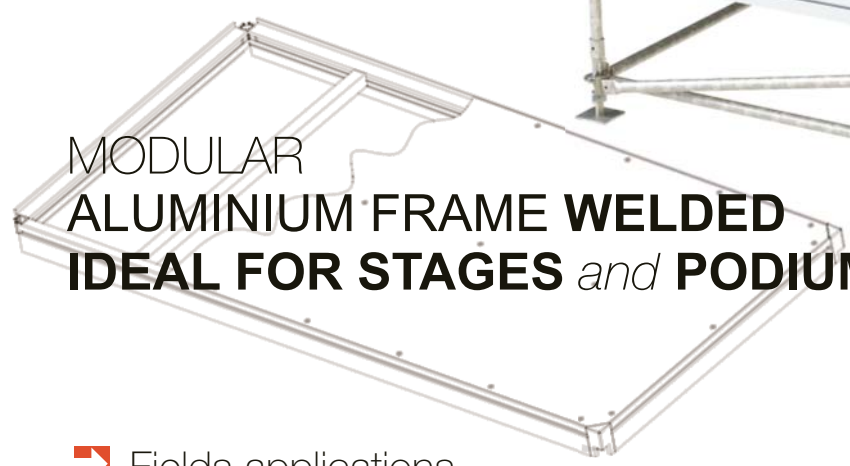
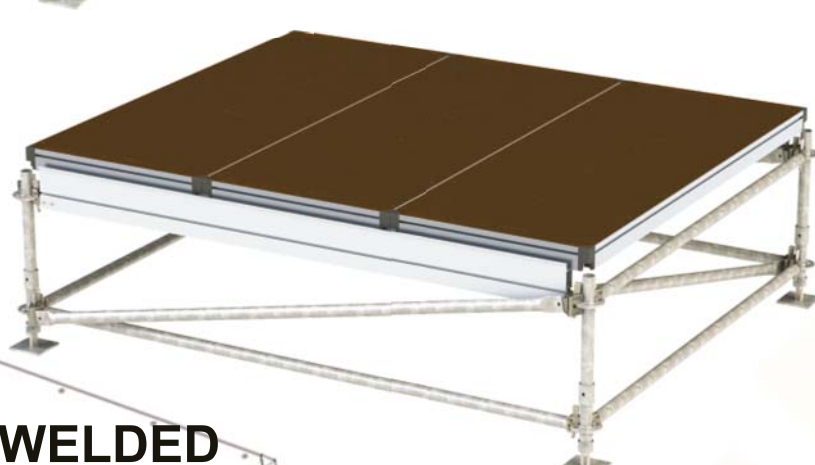
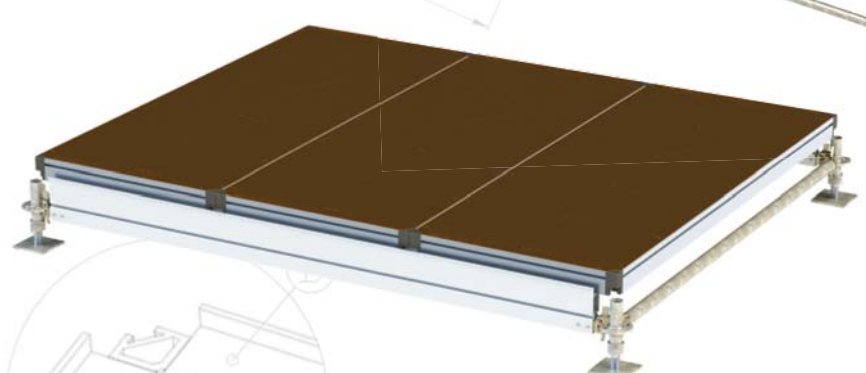
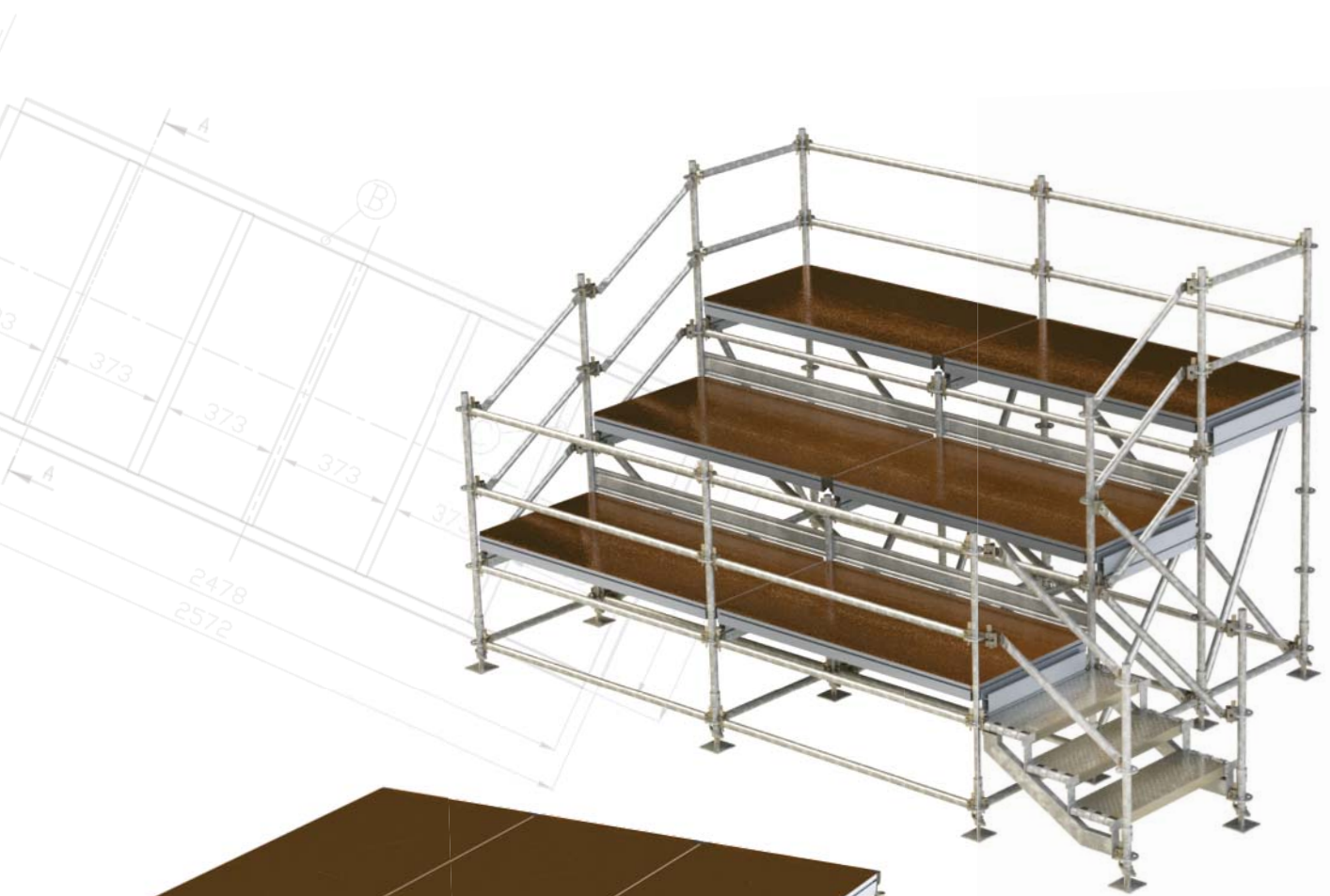
Tavola palco modulare con botola

La tavola palco **Speedy Gamma** stage con botola mettendo in comunicazione piani diversi consente all'operatore di operare su differenti livelli.

**Speedy Gamma** stage è la tavola palco ideale in applicazioni come podi, palchi, tribune, torri regia, pavimentazioni per spettacoli, passerelle, teatri, manifestazioni all'aperto e/o al chiuso.

La modularità di **Speedy Gamma** stage rende facile e veloce il montaggio ed il sistema **Gamma FastLock** di aggancio rapido tra pannello e traversa impedisce il sollevamento accidentale dell'impalcato.

Grazie al peso e all'ingombro ridotto degli elementi modulari, il sistema è facile da montare e richiede spazi ridotti per il trasporto e lo stoccaggio.



MODULAR  
ALUMINIUM FRAME WELDED  
IDEAL FOR STAGES *and* PODIUM



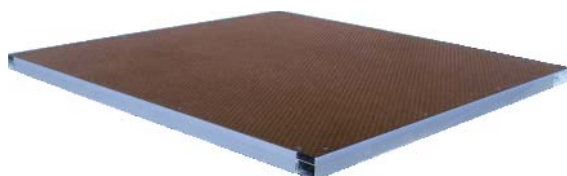
### Speedy**THETA** stage

Speedy**THETA** stage is the basic modular platform stage ideal for fashion catwalks, concert stages, forums and podium applications. The simple design, low weight and fast installation make Speedy**THETA** stage one of the easiest and innovative platforms available on the market. The supporting structure, made in folding aluminium, with out any type of oscillation, ensures high performance (capacity load 800 kg / m<sup>2</sup>) and great safety.

The upper part of the platform is available in variants plywood marine, plexi and carpeting.

*Speedy**THETA** stage è il modulo base ideale per la strutturazione di passerelle di moda, palcoscenici - concerti, forum e podi. Il design semplice, il peso ridotto e l'installazione rapida rendono Speedy**THETA** una piattaforma facile ed innovativa. La struttura portante realizzata in alluminio pieghevole, senza alcun tipo di oscillazione, garantisce elevate prestazioni (capacità di carico 800kg/m<sup>2</sup>) e grande sicurezza.*

*La parte superiore della piattaforma è disponibile nelle varianti compensato marino, plexiglass e moquette.*



**THETA** stage deck: aluminium frame, marine plywood, antiskid, fireproof

*Tavola palco **THETA** stage: telaio in alluminio, plywood marino, antiscivolo ed ignifugo*

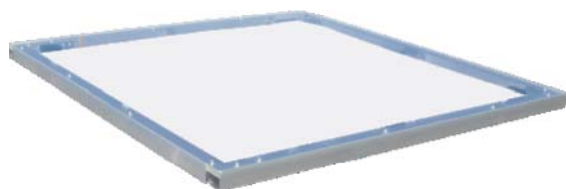
Code	Dimensions(axbxh)	Weight	Capacity Load
<b>ST050050/3</b>	50x50x3.5 cm	3.3 Kg	800 kg/m <sup>2</sup>
<b>ST100050/3</b>	100x50x3.5 cm	6.2 Kg	800 kg/m <sup>2</sup>
<b>ST100100/3</b>	100x100x3.5 cm	11.6 Kg	800 kg/m <sup>2</sup>
<b>ST200100/3</b>	200x100x3.5 cm	22.0 Kg	800 kg/m <sup>2</sup>



**THETA** stage deck: aluminium frame, moquette, antiskid, fireproof

*Tavola palco **THETA** stage: telaio in alluminio, moquette, antiscivolo ed ignifugo*

Code	Dimensions(axbxh)	Weight	Capacity Load
<b>ST050050/M</b>	50x50x3.5 cm	3.3 Kg	800 kg/m <sup>2</sup>
<b>ST100050/M</b>	100x50x3.5 cm	6.2 Kg	800 kg/m <sup>2</sup>
<b>ST100100/M</b>	100x100x3.5 cm	11.6 Kg	800 kg/m <sup>2</sup>
<b>ST200100/M</b>	200x100x3.5 cm	22.0 Kg	800 kg/m <sup>2</sup>



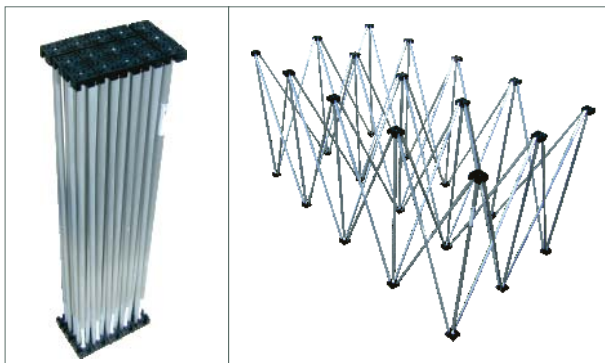
**THETA** stage deck: aluminium frame, pleXi, antiskid, fireproof

*Tavola palco **THETA** stage: telaio in alluminio, pleXi, antiscivolo ed ignifugo*

Code	Dimensions(axbxh)	Weight	Capacity Load
<b>ST050050PX</b>	50x50x3.5 cm	4.6 Kg	800 kg/m <sup>2</sup>
<b>ST100050PX</b>	100x50x3.5 cm	9.0 Kg	800 kg/m <sup>2</sup>
<b>ST100100PX</b>	100x100x3.5 cm	18.5 Kg	800 kg/m <sup>2</sup>
<b>ST200100PX</b>	200x100x3.5 cm	32.3 Kg	800 kg/m <sup>2</sup>

On request we also provide circular deck stage  
A richiesta forniamo anche tavole palco circolari





Supporting structure for deck **THETA stage**: folding aluminium structure capacity load 800 kg/m<sup>2</sup>

Struttura di sostegno per tavola palco **THETA**: struttura in alluminio con portata 800 kg/m<sup>2</sup>

Code	Dimensions	Weight	Vol.(m <sup>3</sup> )
STR050050H20	9x9x45 cm	0.9 Kg	0.03
STR050050H40	9x9x53 cm	1.0 Kg	0.04
STR050050H60	9x9x69.5 cm	1.3 Kg	0.011
STR100050H20	9x13.5x46 cm	1.1 Kg	0.05
STR100050H40	9x13.5x57 cm	1.6 Kg	0.07
STR100050H60	9x13.5x72 cm	2.0 Kg	0.08
STR100050H80	9x13.5x87cm	2.6 Kg	0.10
STR100100H20	13.5x13.5x46 cm	1.9 Kg	0.08
STR100100H40	13.5x13.5x57 cm	2.7 Kg	0.10
STR100100H60	13.5x13.5x72 cm	3.4 Kg	0.13
STR200100H20	13.5x22x46 cm	3.4 Kg	0.13
STR200100H40	13.5x22x57 cm	4.8 Kg	0.17
STR200100H60	13.5x22x72 cm	6.0 Kg	0.21

## Connectors



Tribune clamp  
*Morsetto per collegamento struttura*

Code	Dimensions	Weight	Vol.m <sup>3</sup>
CLJ	14x5x5 mm	0.27 Kg	0.03



Double-head connector mod. C  
for deck connection

Connettore a C con doppia testa

Code	Dimensions	Weight	Vol.m <sup>3</sup>
C/C	12x8x6 mm	0.80 Kg	0.005



Double side connector mod. I  
for deck connection

Connettore a I doppia entrata per collegamento pianali

Code	Dimensions	Weight	Vol.m <sup>3</sup>
C/I	25x4x4 cm	0.3 Kg	0.004



Inside corner connector mod. L right  
for deck

Connettore ad angolo retto mod. L destro per collegamento pianali

Code	Dimensions	Weight	Vol.m <sup>3</sup>
C/LDX	25x8x4 cm	0.4 Kg	0.008



Inside corner connector mod. L left  
for deck connection

Connettore ad angolo mod. L sinistro per collegamento pianali

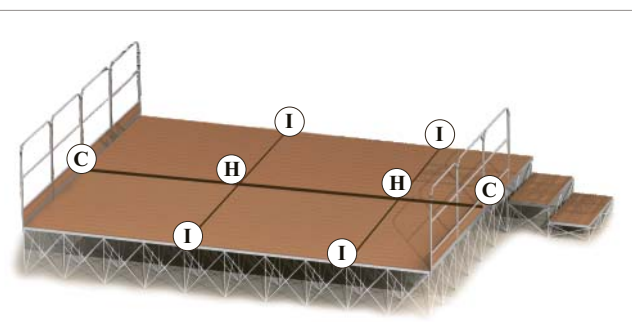
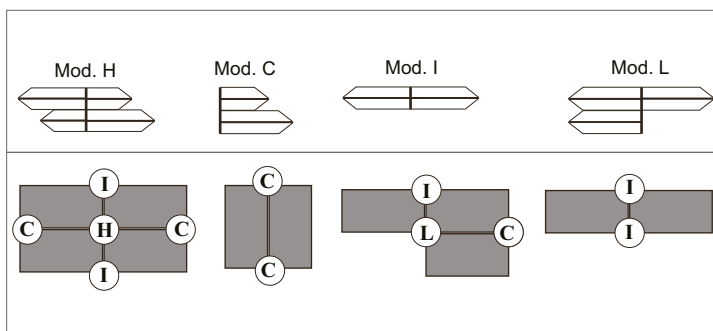
Code	Dimensions	Weight	Vol.m <sup>3</sup>
C/LSX	25x8x4 mm	0.4 Kg	0.008



Square center connector mod. H  
for deck connection

Connettore centrale quadrato mod.H per collegamento pianali

Code	Dimensions	Weight	Vol.m <sup>3</sup>
C/H	25x8x4mm	0.50 Kg	0.008



## IRONstage



### IRON STAGE

Base frame	2,00x2,00 m
Capacity Load	<b>600 kg/m<sup>2</sup></b>
Maximum - minimum height	1,00-1,40 m
Top deck	Birch or fir wood

**IRONstage**, with variable height 100/140 cm, is the ideal solution for indoor and outdoors events.

Based on steel frames of size 2x2 meters .  
Optional modules are of sizes 1x1 and 2x2 meters .  
Maximum capacity loading is of **600 kg/m<sup>2</sup>** .

The basic decks are available in two types of topping of size 2x0,50 meters and thickness 27 mm :

- Birch wood - 19 layers fireproof and anti-skid both sides
- Fir wood fireproof and anti-skid both sides

The interlocking mounting system allows a quick and fast **IRONstage**. Galvanized steel railing of 2 metres long has a capacity load of 300kg /m.

**IRONstage** is provided with stair and handrails that can be positioned on each side of the stage.

***IRONstage**, con altezza regolabile 100/140cm, è la soluzione ideale per eventi al chiuso ed all'aperto.*

*Strutturato su moduli in acciaio zincato di lunghezza 2x2 metri .  
Opzionali sono le lunghezze modulari di 2x1 e 1x1 metri.*

*Portata massima **600 kg/m<sup>2</sup>**.*

*Il piano di calpestio è formato da pannelli di 2x0,50 metri e spessore 27 millimetri ed è disponibile sia in legno di abete che in legno di betulla 19 strati, ignifugo e antisdrucchiolo su entrambi i lati.*

*I parapetti in acciaio zincato sono lunghi 2 metri e hanno una portata di 300 kg/m.*

*Il sistema di montaggio ad incastro consente un rapido montaggio del palco.*

***IRONstage** viene fornito completo di scala di accesso con corrimano, installabile su ogni lato del palco.*

## PROOforum

grandstand - scaffolding system



### PROOFORUM

Step height	0,40 m
Step width	0,66 m
Maximum height	8,00 m
Capacity load	500 kg/m <sup>2</sup>
Top deck	Antiskid and fireproof

The scaffolding grandstands are the ideal solution for all kind of outdoors events .

The frame decks, made in steel, with antiskid top, are extremely safe and strong and have easy and quick mounting system .

Adjustable outrigger feet allow to level the grandstand on any type of surface.

The steel railing, of 2metres long, has capacity loading of **300kg /m**.

Maximum height of **PROOforum** is 8 meters (height to the last grandstand step).

Maximum capacity load is of **500 kg/m<sup>2</sup>**.

The structure must be verified by the designer for each different configuration.

*La tribuna ponteggi è ideale per tutti i tipi di eventi all'aperto. I telai in acciaio con piani di calpestio antisdrucchiolo, sono estremamente sicuri e resistenti.*

*Un sistema di aggancio rapido consente un facile e veloce montaggio.*

*Le basette stabilizzanti permettono il livellamento su qualsiasi tipo di superficie.*

*I parapetti laterali in acciaio, lunghi 200 cm hanno una portata pari a **300 kg/m** nel rispetto delle normative vigenti.*

*L'alzata massima raggiungibile, essendo un'opera ad uso temporaneo, è di 8 metri ( altezza all'ultimo gradino della tribuna).*

*Il carico massimo consentito è di **500 kg / m<sup>2</sup>** (D.M. 14/1/2008 e CNR UNI 10011/88).*

*La struttura deve essere verificato dal progettista in ogni nuova configurazione.*





## STEELforum grandstands



**STEELForum** is the perfect combination of adaptability and modularity. Designed for small-mid events, this is adaptable to every type of events and irregular surface.

Maximum capacity loading is of **500 kg/m<sup>2</sup>**.

The frame decks, made of galvanized steel, are of 2 meters long and are available in different configurations and sorting lanes.

The seatings are available both on benches, both on comfortable and polypropylene shells .

On request, can be ask stair for different risers and painted finish solutions.

Adding suitable modules it's possible make circular stages in combination to the roof systems , for every needs.

The interlocking mounting system allows a quick and fast **STEELForum** stage.

*La tribuna **STEELforum** è il connubio perfetto di adattabilità e modularità. Pensata per far fronte a ogni tipo di manifestazione, è l'ideale per essere adattata a tutte le superfici. Portata massima **500 kg/m<sup>2</sup>**.*

*I moduli, realizzati in acciaio zincato, sono posti a un interasse di 2 metri e sono disponibili in diverse configurazioni e con corsie di smistamento.*

*Le sedute sono disponibili sia su panche che su comode scocche in polipropilene ignifugo.*

*Il particolare assemblaggio ad incastro rende la struttura estremamente rapida e facile da montare.*

*A richiesta sono disponibili scale di accesso per alzate differenti e soluzioni tribuna verniciate.*

*Con l'aggiunta di appositi moduli inoltre, è possibile rendere la struttura circolare e dotarla di copertura, adattandola a ogni tipo di **STEELforum** ha portata pari a 500 kg/m (Cat. C3 Tab 3.1.11 D.M.14/01/2008)*

### STEEL FORUM

Step height	0,47 m
Step width	0,25 m
Capacity load	<b>500 kg/ m<sup>2</sup></b>

## LOUDstage scaffolding system



**LOUD stage - scaffolding system** is the ideal stage for every kind of outdoors events

Based on steel frames of size 2x2meters .

Maximum capacity loading is of **600 kg/m<sup>2</sup>** .

The deck frames are of size 2x0,50 meters - thickness 18 mm and topping antiskid - fireproof.

The mounting system is quick and fast .

Galvanized steel railing of 2 metres long has a capacity load of **300kg /m**.

LOUDSTAGE is provided with stair and handrails that can be positioned on each side of the stage

***LOUD stage su ponteggi multidirezionali è la soluzione ideale per eventi all'aperto.***

*Strutturato su moduli in acciaio zincato di lunghezza 2x2 metri .*

*Portata massima **600 kg/m<sup>2</sup>**.*

*Il piano di calpestio è formato da pannelli di 2x0,50 metri e spessore 18 millimetri ignifugo e antisdrucciolo.*

*I parapetti in acciaio zincato sono lunghi 2 metri e hanno una portata di **300 kg/m**.*

*Il sistema di montaggio ad incastro consente un rapido montaggio del palco.*

***LOUD stage** viene fornito completo di scala di accesso con corrimano, installabile su ogni lato del palco*

### LOUD STAGE

Base frame	2,00x2,00 m
Capacity Load	<b>600 kg/m<sup>2</sup></b>
Minimum height	0,40 m
Top deck	Antiskid and fireproof



## CABLE CROSS



**CC230E**

2-Channel cable protector  
Rubber base and plastic flap

**Channel size:** Ø 30 mm  
**Bearing capacity:** 12Tons Bearing Weight  
**Dimensions:** 100x25x4.5 cm  
**Weight:** 7.90 Kg



**CC230EL2/45D**

2-Channel right corner, 45 degree corner

**Channel size:** Ø 30 mm  
**Dimensions:** 40x25x4.5 cm  
**Weight:** 2,50 Kg



**CC230EL2/45S**

2-Channel left corner, 45 degree corner

**Channel size:** Ø 30 mm  
**Dimensions:** 40x25x4.5 cm  
**Weight:** 2,50 Kg



**CC535E**

5-Channel cable protector  
Rubber base and plastic flap

**Channel size:** Ø42 mm;  
**Bearing capacity:** 18 Tons Bearing  
**Dimensions:** 100x50x5.5cm  
**Weight:** 16.00 Kg

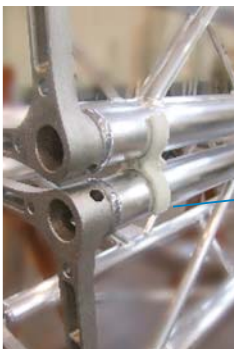
	CC230E	CC535E
Material	Polyurethane	
Protection degree	IP30XC	
Electrical safety	European Directive 73/23/CE	
Fire resistance	Class 1	
Static capacity load *	<b>3500 Kg</b>	<b>10000 kg</b>
Exercise time	-20°C + +55°C	

\*an area 200x200mm

Cable cross are protection device for cables and conduits .

Outdoors any joints of electrical conduits realized within the channels of cable cross must be carried out with derivations, plug sockets and / or connectors with degree of protection **IP> 55**.

On cable cross, the loads can be transit but can not stop.



**TC50**

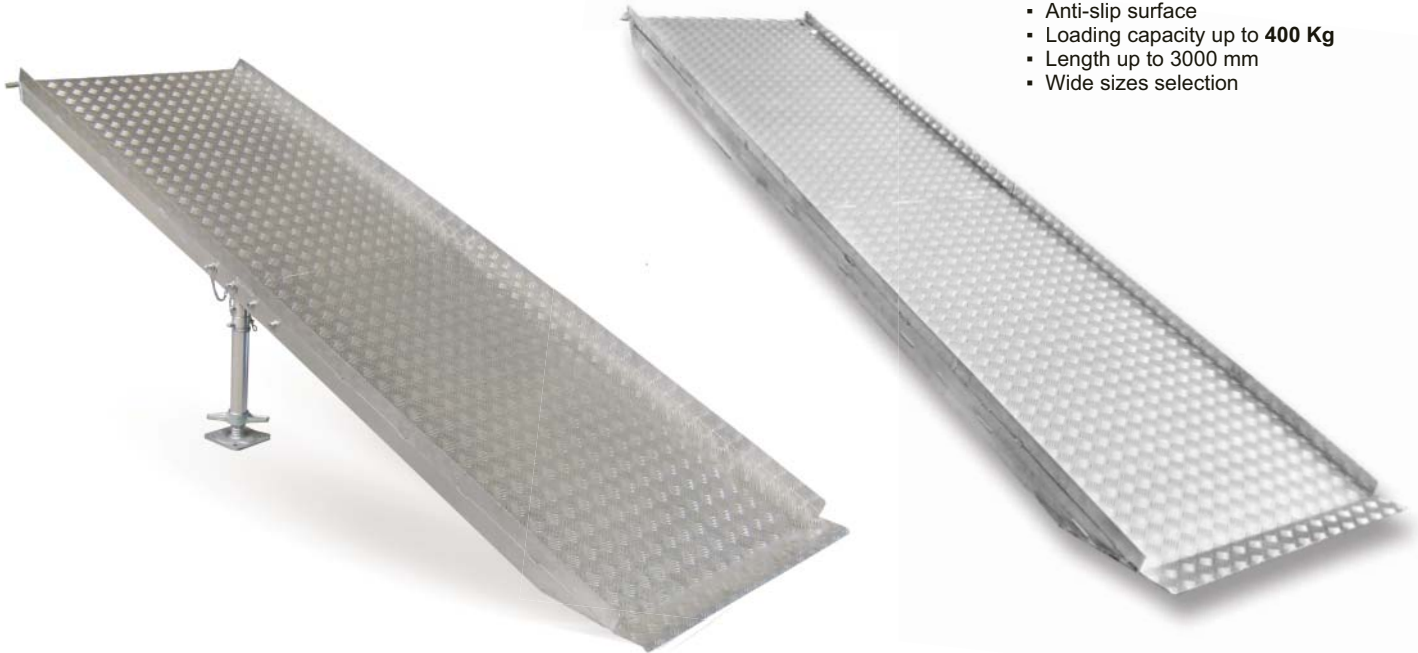
Truss carrier for main tube Ø 50 mm truss



## ALUMINIUM RAMPS

### Advantages

- Lightweight
- Anti-slip surface
- Loading capacity up to **400 Kg**
- Length up to 3000 mm
- Wide sizes selection



### ALUMINIUM LOADING RAMPS

Efesto's aluminium ramps are a ideal solution for loading of lightweight equipment, wheelchair access or commercial vehicles.

Aluminium loading ramps have anti-slip surface and raised side rails as protection . They can handle light loads **up to 400 kg**.

EFESTO offers two different variants of ramps: the single unit version and 2 or more units combination-version with adjustable legs.

Length of Ramp depending of height-work.

This series offers a cost effective solution for materials handling with maximum safety and ease of use. Special anti slip surface ensures safe operation in all environments

*Le rampe di carico prodotte dalla EFESTO si adattano alle esigenze più disparate e preferenzialmente lavorano in combinazione di veicoli commerciali.*

*Realizzate interamente in alluminio con superficie antiscivolo, bordo di protezione laterale e **bandella mobile** superiore ed inferiore **le rampe EFESTO** riescono a gestire carichi leggeri **fino ai 400 kg**.*

*La bandella mobile superiore raccorda perfettamente sul piano del veicolo, la bandella mobile inferiore raccorda con il terreno: entrambe evitano la creazione di gradini con il piano di carico.*

*La larghezza e la lunghezza della rampa determinata dall'altezza del veicolo commerciale di riferimento fanno di ogni rampa una soluzione personalizzata per l'utilizzatore.*

*La EFESTO propone due varianti di rampe:*

**la versione –elemento unico** e **la versione scomponibile in 2 o più elementi**.

*Quest'ultima in fase di riposo è sicuramente la giusta soluzione al bisogno eventuale di ottimizzazione degli spazi.*

*Le pedane- rampe EFEST sono soluzioni leggere e resistenti progettate e pensate per usi e destinazioni diverse: queste sono un valido alleato in tutte le operazioni di movimentazione di merci, animali e/o persone.*

## ALUMINIUM STAIR TOWER



### Applications fields

- Structures for entertainment
- Building sites
- Shipbuilding

### Stairs tower for scaffolding and rolling scaffold

Efesto's **stairs tower**, all-aluminum, is ideal solution for a comfortable and safe climbing on scaffolding or rolling scaffold.

This stair can be used as helpful access stairs in the temporary or permanent structures allowing outputs in the middle floors.

This stair helps the technicians operators working at high altitude.  
It's easy to handling the manual loads and work tools.

This is a ramp with stairway structure.  
Strong stair presents wide anti skid steps.  
Stair-tower works anchored to the reference building.

Efesto's **stair tower** is used for internal climbs of towers scaffold and/or external climbs of classic scaffolding systems with or without middle floors.  
The assemble is fast and easy.  
This is made according the current regulations of safety.

### Scala-rampa per ponteggi e trabattelli

La **scala a Torre Efesto**, interamente in alluminio, è la soluzione ideale per una salita comoda e sicura su ponteggi e trabattelli e può essere utilizzata come valida ed autonoma scala d'accesso a strutture provvisorie o permanenti anche con uscite ai piani intermedi.

Le uscite intermedie creano un accesso sicuro a tutti i piani di lavoro.

In alta quota questa scala-rampa agevola il lavoro degli operatori, favorendo la movimentazione di carichi manuali e dei relativi strumenti di lavoro.

Autentica rampa con strutturazione a scala è robusta e presenta gradini ad ampia pedata a superficie antiscivolo: veloce e semplice da montare, è combinabile ad ogni tipo di ponteggio multidirezionale e/o trabattello.

A seconda del tipo di impiego la scala a torre viene ancorata alla costruzione di riferimento ed è conforme alle norme di sicurezza vigenti.

#### TECHINICAL DATA

Lenght - width	268x61 cm
Steps	61x16 cm
Bottom base	61x40 cm
Material	Alloy Aluminium EN AW 6060T5
Welding process	Tig

#### Advantages

- Durable solution
- Comfortable and safe climbing
- Durable solution
- Fast and easy installation, transport and storage
- More application fields







CROWD BARRIERS

# CROWD BARRIERS



## CROWD BARRIERS

with **Finger Save** system

The aluminium crowd barriers designed by **Efesto** is only crowd barriers structured by “**Fingers Save** system”. The **Fingers Save** system is given by the combination of edges rounded and special self-centering upper connection.

The crowd barriers are available in several corner or with easy gates access for technicians or security personnel. Set up and assembly are fast and easy thanks **connection kit: only two bolts**. Flat folding design they can be stacked on dollies for easy transport and storage.

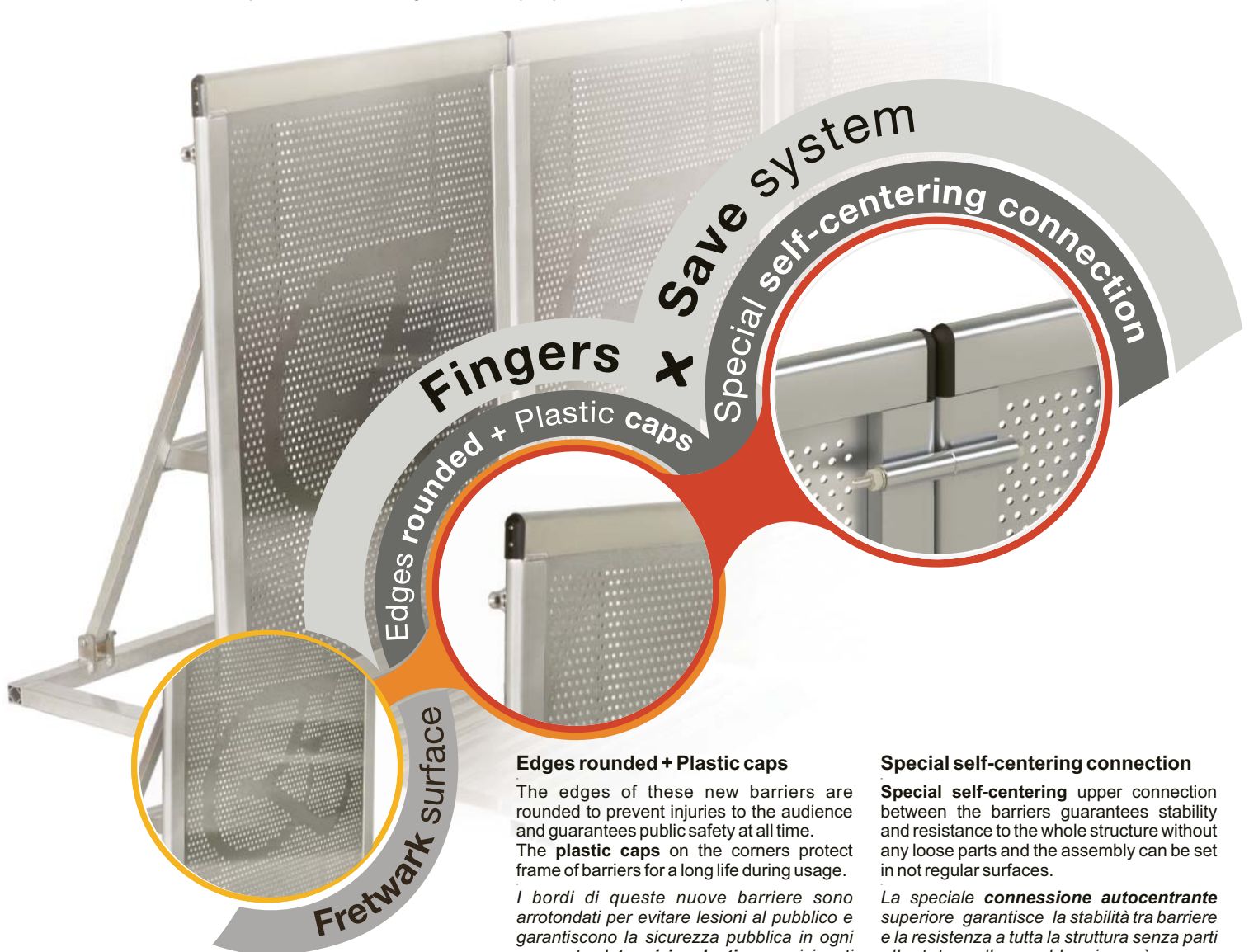


## CROWD BARRIERS with Fingers Save system

### CROWD BARRIERS

EFESTO's aluminium crowd barriers are lightweight but robust crowd control systems. Ideal solution to delimit or impede access to and from open spaces during sports events, political rallies, parades, demonstrations, and outdoor and indoor performances. Barriers are available in several corner or with easy gates access for technicians or security personnel, cables and conduits.

*Le barriere in alluminio antipanico della EFESTO sono sistemi leggeri, ma robusti di controllo della folla. Soluzione ideale per delimitare o impedire l'accesso da e verso gli spazi aperti in occasione di eventi sportivi, manifestazioni politiche, sfilate, dimostrazioni e spettacoli all'aperto e al chiuso. Le barriere sono disponibili con diversi angoli o con semplici porte di accesso per tecnici, personale di sicurezza, cavi e condotti.*



#### Edges rounded + Plastic caps

The edges of these new barriers are rounded to prevent injuries to the audience and guarantees public safety at all time. The **plastic caps** on the corners protect frame of barriers for a long life during usage.

*I bordi di queste nuove barriere sono arrotondati per evitare lesioni al pubblico e garantiscono la sicurezza pubblica in ogni momento. I tappi in plastica, posizionati agli angoli garantiscono la longevità del prodotto a seguito di un uso continuo.*

#### Special self-centering connection

**Special self-centering** upper connection between the barriers guarantees stability and resistance to the whole structure without any loose parts and the assembly can be set in not regular surfaces.

*La speciale **connessione autocentrante** superiore garantisce la stabilità tra barriere e la resistenza a tutta la struttura senza parti allentate e l'assemblaggio può essere impostato in superfici non regolari.*

#### Fretwork surface

Fretwork surface with **Efesto's** logo for a better lightweight, sound trasmission and visibility.

*La superficie perforata con il logo **Efesto** favorisce un peso leggero, la trasmissione del suono e una migliore visibilità.*

#### Strengths

**Fingers Save system** is the **strength** of Efesto's crowd barriers. This safety is given from combination of edges rounded and a special self-centering upper connection.

*La barriera antipanico Efesto presenta l'esclusivo sistema di **salvataggio dita**. La sicurezza delle barriere antipanico, prodotte dalla Efesto, è data dalla combinazione degli angoli arrotondati e dallo speciale sistema di connessione autocentrante.*



## STANDARD MODULE with Fingers Save system



### Advantages

- **Fingers Save** system
- Lightweight and easy to remove, store, transport and install and disassemble
- Extended anti skid footboard for a better stable
- Resistant to corrosion and aging for high quality
- Safe and comfortable solutions for both the audience and rescue personnel.

### Standard module

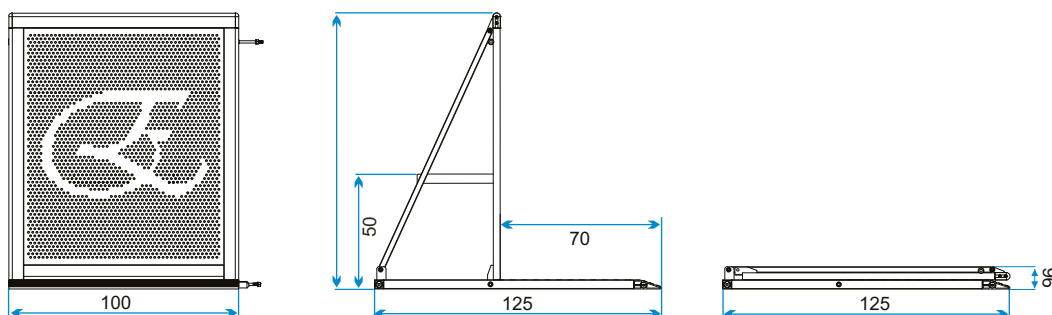
Crowd barriers, made in aluminium are available in standard version. The modules are bolted together for one firmly anchored fence. Set up and assembly are fast and easy thanks connection kit: **only two bolts**.

The crowd barrier, on the back, has practical step that allows at security personnel the access to the public when it is need. Flat folding design they can be stacked on dollies for easy transport and storage.

*Le barriere in alluminio antipanico sono disponibili nella versione standard. I moduli collegati tra di loro creano una barriera lunga e ben salda. La connessione tra le barriere avviene con un kit di connessione: **solo due bulloni**.*

*Le barriere antipanico Efesto possiedono uno scalino molto pratico che permette al personale di sicurezza di avere accesso al pubblico in caso di necessità.*

*Si piegano totalmente dopo l'uso e possono essere impilate su carrelli per facilitarne il trasporto e lo stoccaggio.*



#### CB-S

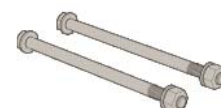
#### TECHICAL DATA

<b>Material</b>	Aluminium alloy (Anticorodal)
<b>Open Barrier dimensions</b>	100 x 125 H120 cm
<b>Closed Barrier dimensions</b>	100 x 125 H 10 cm
<b>Step service dimensions</b>	30 x 47 H 50 cm
<b>Weight</b>	36 kg

Crowd barriers, made in aluminium, are available also black finish.

#### Connection kit

Easy and safe connection between the barriers: the connection kit consists of **only two bolts**.



## ADJUSTABLE CORNER MODULE with **Fingers Save** system



### Advantages

- **Fingers Save** system
- Lightweight and easy to remove, store, transport and install and disassemble
- Extended anti skid footboard for a better stable
- Resistant to corrosion and aging for high quality
- Safe and comfortable solutions for both the audience and rescue personnel.

### Adjustable corner module

**Adjustable corner modules**, made of aluminium, are available in several corner types for any need of applications.

Adjustable corner module can vary from  $\pm 60^\circ$ .

The flexible corner is equipped with a robust heavy duty hinge and can be used as an inside as well as an outside corner.

The strength of Efesto's crowd barriers is the **Fingers Save system**.

This safety is given from combination of edges rounded and a special self-centering upper connection.

Set up and assembly are fast and easy thanks **connection kit: only two bolts**.

The Barrier folds flat after use and can be stacked in dollies for easy transportation and storage.

*Le barriere in alluminio della EFESTO sono disponibili in diverse tipologie d'angolo per meglio soddisfare le esigenze di installazioni più disparate.*

*La barriera – modulo angolo regolabile può variare da  $\pm 60^\circ$ .*

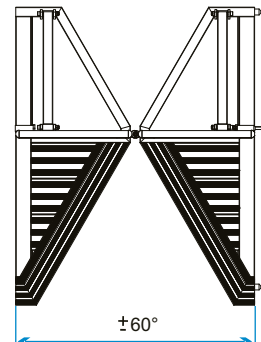
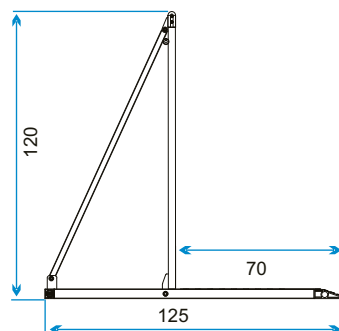
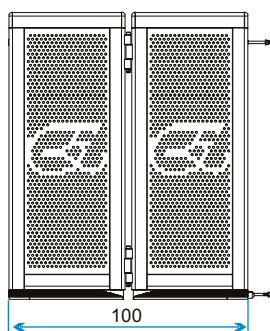
*L'angolo flessibile è dotato di una robusta e resistente cerniera. L'angolo essendo regolabile può essere utilizzato come un angolo interno o esterno*

*Grazie al sistema di aggancio tale struttura modulare è completamente pieghevole e facile da maneggiare e conservare.*

*Le barriere Efesto presentano l'esclusivo sistema **Salva dita** risultante dalla combinazione degli angoli laterali arrotondati e da uno speciale sistema superiore autocentrante di connessione posteriore.*

*La connessione tra le barriere avviene con un **kit di connessione: solo due bulloni**.*

*Le barriere si piegano e possono essere impilate su carrelli per facilitarne il trasporto e lo stoccaggio.*



#### CB-FC

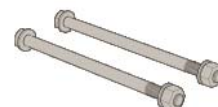
#### TECHINCAL DATA

<b>Material</b>	Aluminium alloy ( <b>Anticorodal</b> )
<b>Corner</b>	$+60^\circ$ or $-60^\circ$
<b>Open Barrier dimensions</b>	100 x 125 H120 cm
<b>Closed Barrier dimensions</b>	100 x 125 H 10 cm
<b>Weight</b>	36 kg

Crowd barriers, made in aluminium, are available also black finish.

#### Connection kit

Easy and safe connection between the barriers: the connection kit consists of **only two bolts**.







## GATE ACCESS MODULE with Fingers Save system



### Advantages

- **Fingers Save system**
- Lightweight and easy to remove, store, transport and install and disassemble
- Extended anti skid footboard for a better stable
- Resistant to corrosion and aging for high quality
- Safe and comfortable solutions for both the audience and rescue personnel.

### Gate access module

**Gate access modules**, made of aluminium, are designed for offering an easy and fast opening for access of working technicians or security personnel.

The strength of Efesto's crowd barriers is **Fingers Save system**.

This safety is given from combination of edges rounded and a special self-centering upper connection.

Set up and assembly are fast and easy thanks **connection kit: only two bolts** thanks a flat folding design.

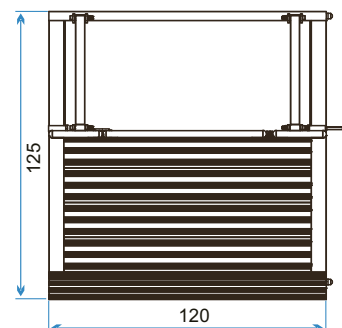
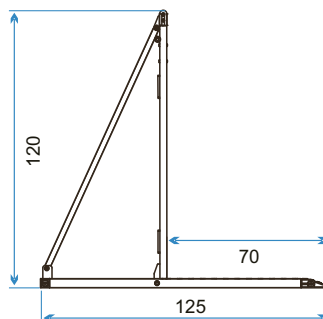
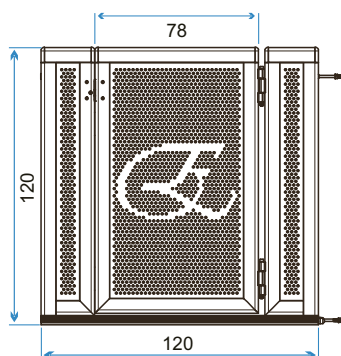
The barrier folds flat after use and can be stacked in dollies for easy transportation and storage.

*Le barriere in alluminio, nella versione modulo con cancelletto, consentono un accesso rapido e facile di tecnici e del personale autorizzato.*

*La connessione tra le barriere avviene con un **kit di connessione: solo due bulloni**.*

*Le barriere Efesto presentano l'esclusivo **sistema Salva dita** risultante dalla combinazione degli angoli laterali arrotondati e da uno speciale sistema superiore autocentrante di connessione posteriore.*

*Le barriere si piegano e possono essere impilate su carrelli per facilitarne il trasporto e lo stoccaggio.*



#### CB-G

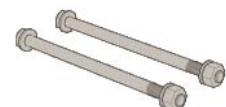
#### TECHINCAL DATA

<b>Material</b>	Aluminium alloy ( <b>Anticorodal</b> )
<b>Open Barrier dimensions</b>	120 x 125 H 120 cm
<b>Closed Barrier dimensions</b>	120 x 125 H 10 cm
<b>Gate width</b>	70 cm
<b>Weight</b>	47 kg

Crowd barriers, made in aluminium, are available also black finish.

### Connection kit

Easy and safe connection between the barriers: the connection kit consists of **only two bolts**.



## GATE ACCESS and CABLE MODULE with Fingers Save system



### Advantages

- **Fingers Save system**
- Lightweight and easy to remove, store, transport and install and disassemble
- Extended anti skid footboard for a better stable
- Resistant to corrosion and aging for high quality
- Safe and comfortable solutions for both the audience and rescue personnel.

### Gate access and Cable module

**Gate access and cable modules**, made of aluminium, are designed to accommodate the transit of cables, hoses and ducts.

The gate leaves enough room in width and height to pass any type of standard cable ramp.

The door facilitates access for working technicians or security personnel.

The strength of Efesto's crowd barriers is **Fingers Save system**.

This safety is given from combination of edges rounded and a special self-centering upper connection.

Set up and assembly are fast and easy thanks **connection kit: only two bolts**.

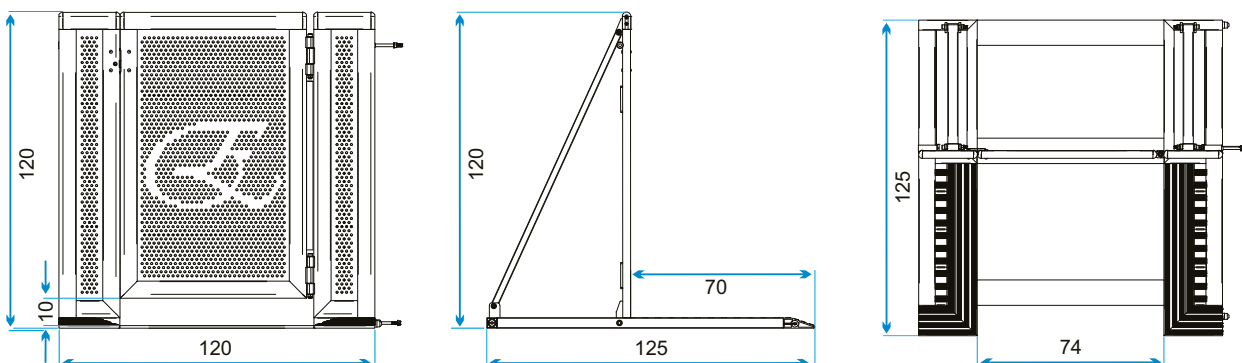
The Barrier folds flat after use and can be stacked in dollies for easy transportation and storage.

*Le barriere Efesto, nella versione modulo con **porta d'accesso e alloggiamento passacavo** agevolano il transito di tecnici e del personale autorizzato e facilitano il posizionamento di rampe passacavo atte a salvaguardare l'attraversamento di cavi elettrici, tubi e condotti.*

*La connessione tra le barriere avviene con un **kit di connessione: solo due bulloni**.*

*Le barriere Efesto presentano l'esclusivo **sistema Salva dita** risultante dalla combinazione degli angoli laterali arrotondati e da uno speciale sistema superiore autocentrante di connessione posteriore.*

*Le barriere si piegano e possono essere impilate su carrelli per facilitarne il trasporto e lo stoccaggio.*



#### CB-C

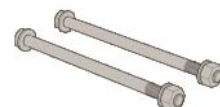
#### TECHINCAL DATA

<b>Material</b>	Aluminium alloy ( <b>Anticorodal</b> )
<b>Open Barrier dimensions</b>	120 x 125 H120 cm
<b>Closed Barrier dimensions</b>	120 x 125 H 10 cm
<b>Gate width</b>	70 cm
<b>Cable access dimensions</b>	73x10 cm
<b>Weight</b>	36,5 kg

Crowd barriers, made in aluminium, are available also black finish

#### Connection kit

Easy and safe connection between the barriers: the connection kit consists of **only two bolts**.





## DOLLY MODULE



## Dolly Module

A aluminum dolly has been developed to hold 10 folded standard crowd barriers. Crowd barriers folded flat are easily stored and transported in the dolly.

A set of 4 castor wheels Ø 100 mm makes transportation and the loading of the dolly easy.

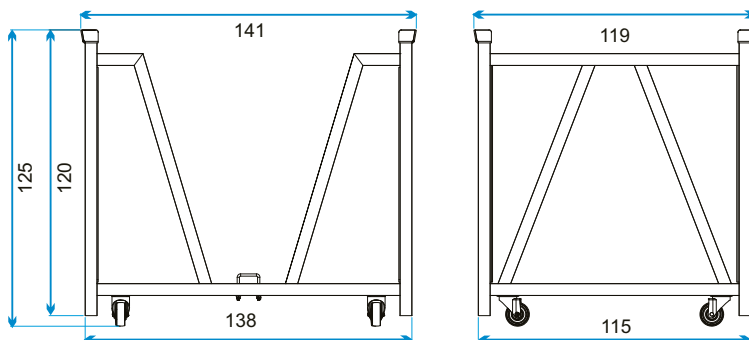
The dollies can be stacked on top of each other to save space in storage.

*Un carrello in alluminio è stato progettato per contenere e movimentare circa 10 barriere debitamente piegate.*

*Le barriere in alluminio vengono facilmente riposte e movimentate nel carrello.*

*Una serie di 4 ruote piroettanti Ø 100 mm posizionate alla base del carrello rendono non faticosa la movimentazione del carrello quando è carico.*

*I carrelli possono essere impilati uno sopra l'altro per risparmiare spazio in fase di immagazzinamento.*



CB-D

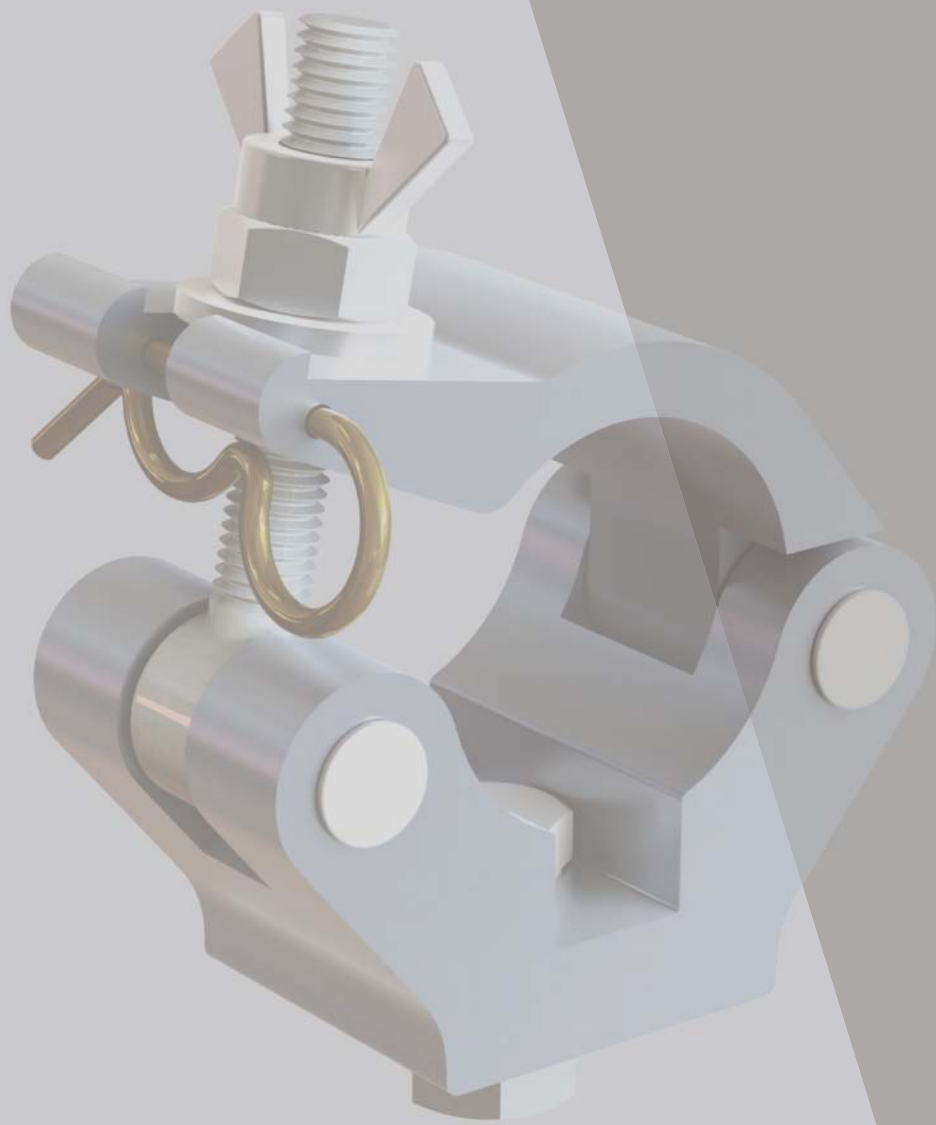
## TECHINCAL DATA

Material	Aluminium EN AW-6060-T5
Dolly dimensions	119 x 141 H120 cm
Number of barriers	10 folded standard crowd barriers
Weight	44,8 kg

Aluminium Dolly are available also black finish

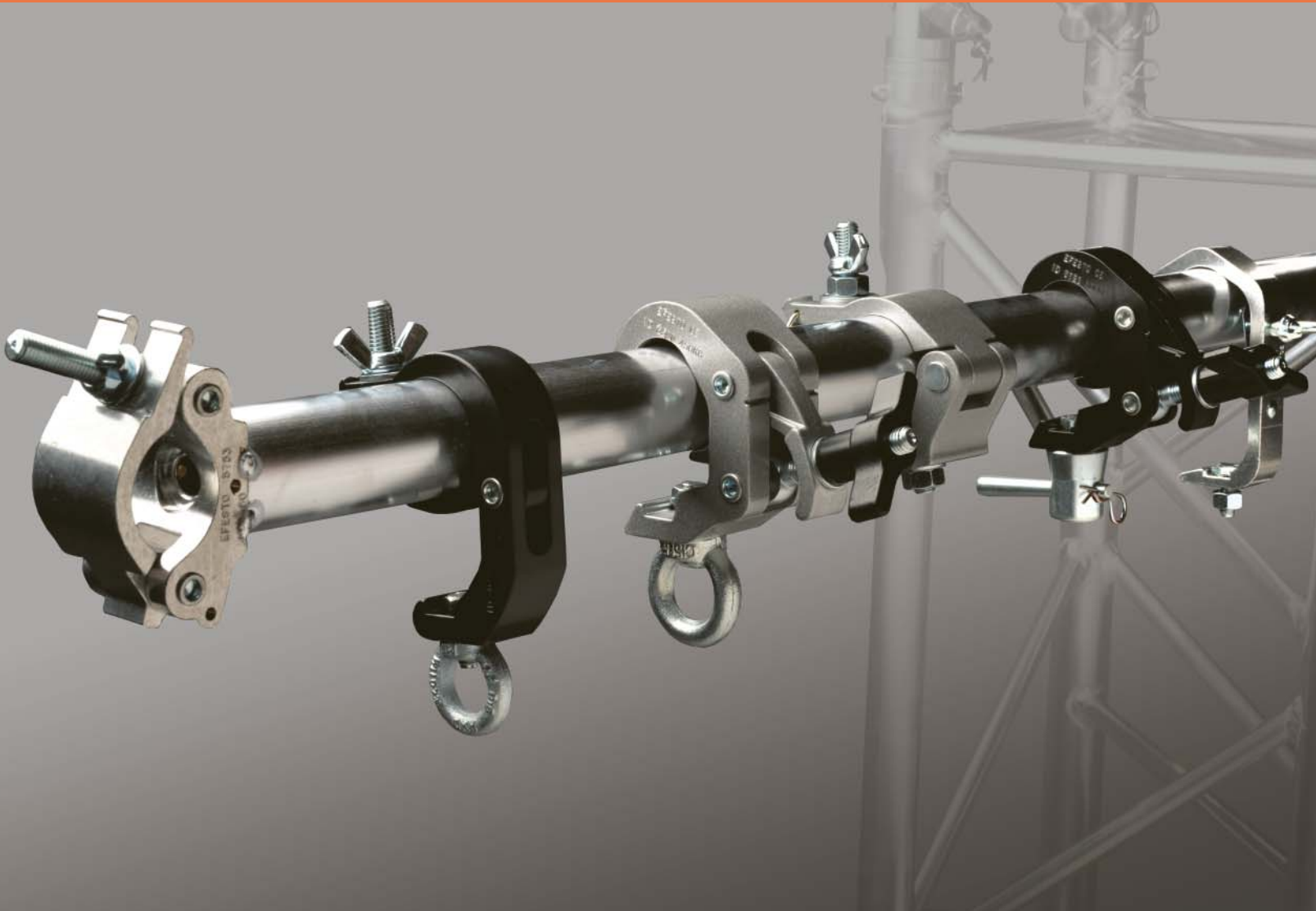






ALUMINIUM CLAMPS AND RIGGING

# ALUMINIUM CLAMPS RIGGING



## ALUMINIUM CLAMPS *AND* RIGGING

EFESTO Couplers/Clamps (Aluminium)

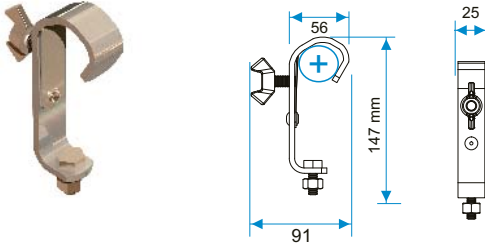
**EFESTO** makes a large range of clamps and accessories to manage any type of installation. They stand out for their design and innovative performances.

A identification series number, the indication of the safe working load and **CE marking** identifies each clamp .

Each clamp, has made from ultra-high tensile aluminium alloy.  
On request, each clamp can be supplied with black or silver finish.

**GC/01S - GC/01SN**

**SWL 50 Kg Sf 5:1**



Steel hook slim clamp, **C design**, suitable for  $\varnothing$  25-30mm tubes  
**Width:** 25 mm **Fixings:** M10 Hole **Weight:** 0,24 kg

Available in black or silver finish ■ ■

**GC/18**

**SWL 50 Kg Sf 5:1**

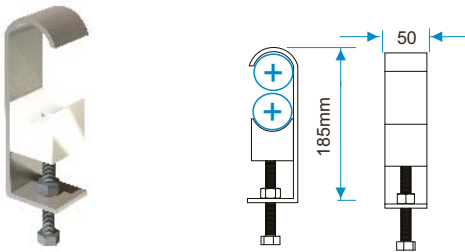


Steel hook double coupling suitable for  $\varnothing$  20 - 30 mm tubes  
**Width:** 25 mm **Fixings:** M10 Hole **Weight:** 0,210 kg

Available in black or silver finish ■ ■

**GC/02**

**SWL 120 Kg Sf 5:1**

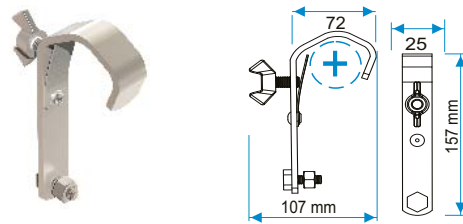


Steel hook double coupling, suitable for  $\varnothing$  48-51mm tubes  
**Width:** 50 mm **Fixings:** M10 Hole **Weight:** 0,58 kg

Available in black or silver finish ■ ■

**GC/01V - GC/01VN**

**SWL 50 Kg Sf 5:1**

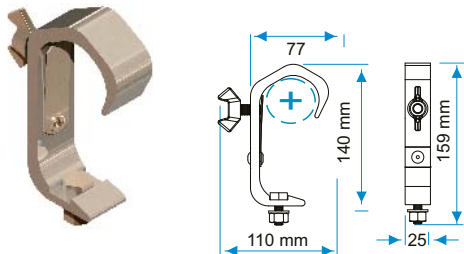


Steel hook clamp vertical back, **C design**, suitable for  $\varnothing$  48-51mm tubes  
**Width:** 25 mm **Fixings:** M10 Hole **Weight:** 0,27 kg

Available in black or silver finish ■ ■

**GC/01 - GC/01N**

**SWL 80 Kg Sf 5:1**



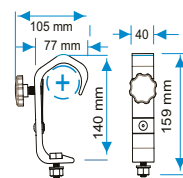
Aluminium hook clamp, **C design**, suitable for  $\varnothing$  48-51mm tubes  
**Width:** 25 mm **Fixings:** M10 hole **Weight:** 0,235 kg

Available in black or silver finish ■ ■

**SWL 80 Kg Sf 5:1**



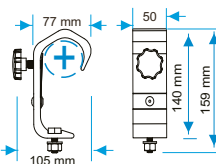
**GC/02A  
GC/02AN**  
Aluminium hook 25 mm slim  
**C design**



**SWL 200 Kg Sf 5:1**



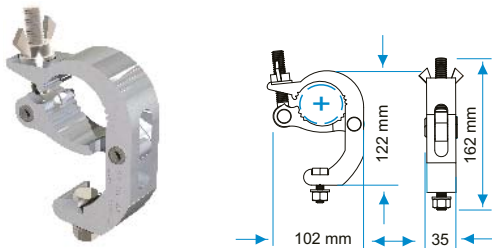
**GC/08A  
GC/08AN**  
Aluminium hook - 50mm wide  
**C design**, with easy grip handle







**GC/01A - GC/01AN**

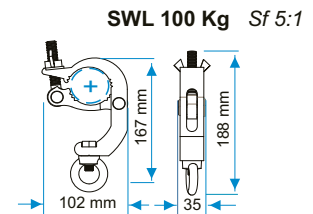


Aluminium 31mm-slim quick clamp  
suitable for  $\varnothing$  48-51mm tubes  
**Width:** 31 mm **Fixings:** M10 Hole **Weight:** 0,49 kg

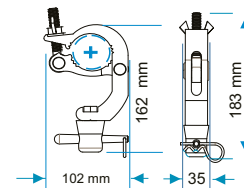
Available in black or silver finish ■■



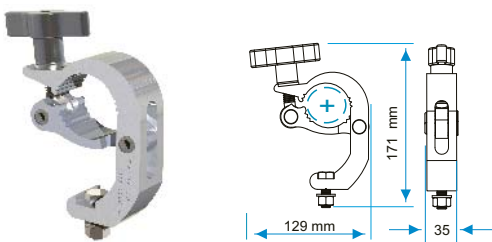
**GC/01AG  
GC/01AGN**  
Aluminium 31mm-slim  
hanging hook



**GC/01AM02  
GC/01ANM02**  
Aluminium 31mm-slim  
hook with half spigot



**GC/03A - GC/03AN**

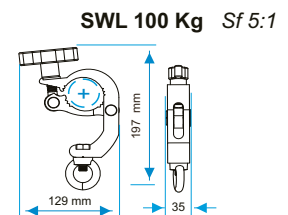


Aluminium 31mm-slim hook, with easy grip handle,  
suitable for  $\varnothing$  48-51mm tubes  
**Width:** 31 mm **Fixings:** M10 Hole **Weight:** 0,52 kg

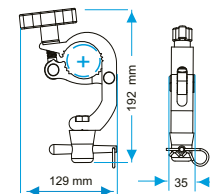
Available in black or silver finish ■■



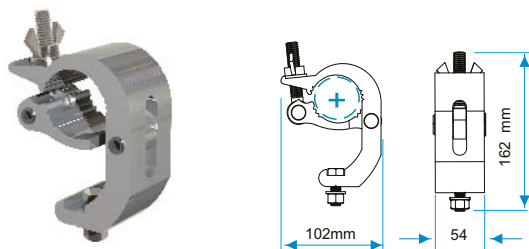
**GC/03AG  
GC/03AGN**  
Aluminium 31mm - slim  
hanging hook with grip handle



**GC/03AM02  
GC/03ANM02**  
Aluminium 31mm - slim  
hook with grip handle



**GC/05A - GC/05AN**

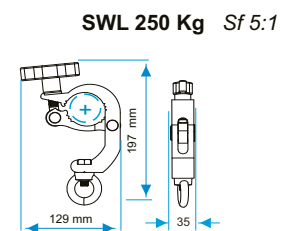


Aluminium 50mm-wide quick clamp  
suitable for  $\varnothing$  48-51 mm tubes  
**Width:** 50 mm **Fixings:** M10 Hole **Weight:** 0,72 kg

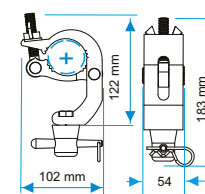
Available in black or silver finish ■■



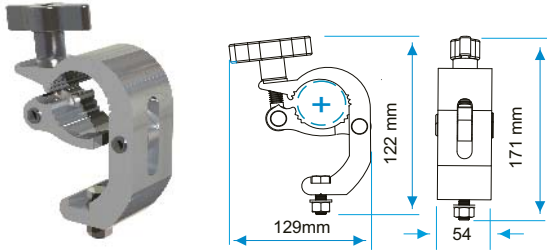
**GC/05AG  
GC/05AGN**  
Aluminium 50 mm-wide  
hanging hook



**GC/05AM02  
GC/05ANM02**  
Aluminium 50 mm-slim  
hook with half spigot



**GC/06A - GC/06AN**



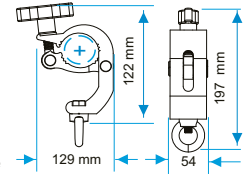
Aluminium 50mm - wide hook, with easy grip handle suitable for  $\varnothing$  48-51mm tubes  
**Width:** 50 mm **Fixings:** M12 Hole **Weight:** 0,75 kg

Available in black or silver finish ■ ■

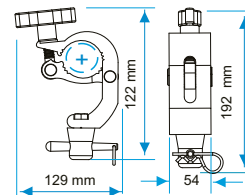
**SWL 250 Kg Sf 5:1**



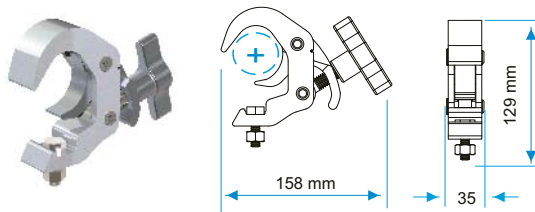
**GC/06AG  
GC/06AGN**  
Aluminium 50mm - wide hanging hook with grip handle



**GC/06AM02  
GC/06AM02N**  
Aluminium 50mm- wide hook with grip handle and half spigot



**GC/04A - GC/04AN**



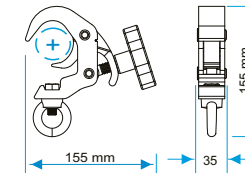
Aluminium 31mm-slim quick clamp suitable for  $\varnothing$  38-51mm tubes  
**Width:** 31 mm **Fixings:** M12 Hole **Weight:** 0,49 kg

Available in black or silver finish ■ ■

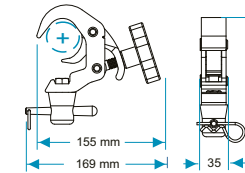
**SWL 100 Kg Sf 5:1**



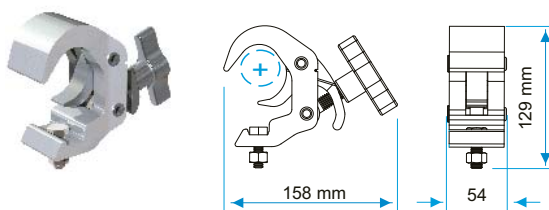
**GC/04AG  
GC/04AGN**  
Aluminium 31mm-slim hanging hook



**GC/04AM02  
GC/04AM02N**  
Aluminium 31mm-slim hook with half spigot



**GC/07A - GC/07AN**



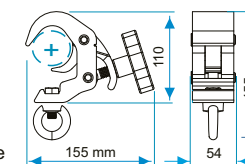
Aluminium 50mm - wide hook, with easy grip handle suitable for  $\varnothing$  38-51 mm tubes  
**Width:** 50mm **Fixings:** M12 Hole **Weight:** 0,710 kg

Available in black or silver finish ■ ■

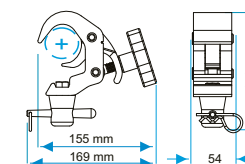
**SWL 450 Kg Sf 5:1**



**GC/07AG  
GC/07AGN**  
Aluminium 50mm - wide hanging hook with grip handle



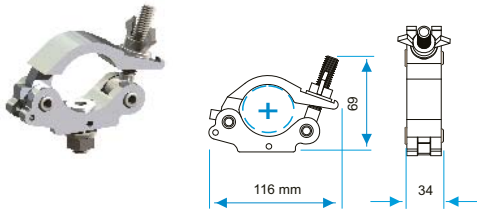
**GC/07AM02  
GC/07AM02N**  
Aluminium 50mm- wide hook with grip handle and half spigot





**AS01S - AS01SN**

**SWL 450 Kg Sf 5:1**



Aluminium 31mm-slim half coupler suitable for  $\varnothing$  48 - 51 mm tubes  
**Width:** 31 mm **Fixings:** M12 hole **Weight:** 0,338 kg

Available in black or silver finish ■ ■

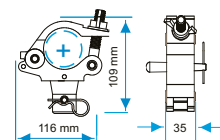
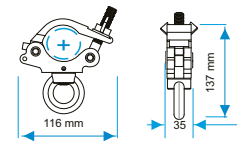
**SWL 300 Kg Sf 5:1**



**AG04S  
AG04SN**  
Aluminium 31mm - slim half coupler with lifting eye



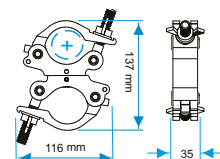
**AM02S  
AM02SN**  
Aluminium 31 mm - slim fast coupler with half spigot



**SWL 150 Kg Sf 5:1**

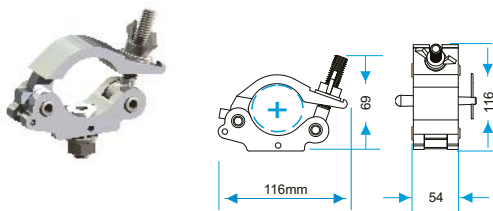


**AD03S  
AD03SN**  
Aluminium 31mm-slim swivel coupler



**AS01 - AS01N**

**SWL 450 Kg Sf 5:1**



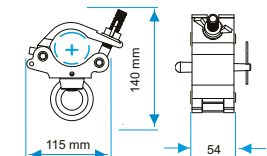
Aluminium 50mm - wide half coupler suitable for  $\varnothing$  48 - 51 mm tubes  
**Width:** 50mm **Fixings:** M12 hole **Weight:** 0,450 kg

Available in black or silver finish ■ ■

**SWL 450 Kg Sf 5:1**



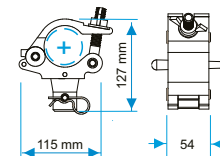
**AG04  
AG04N**  
Aluminium 50mm - wide half coupler with lifting eye



**SWL 500 Kg Sf 5:1**



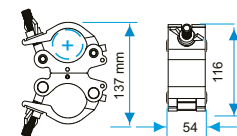
**AM02  
AM02N**  
Aluminium 50mm - wide half coupler with spigot



**SWL 250 Kg Sf 5:1**



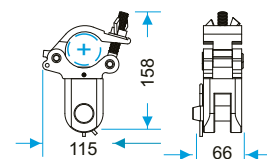
**AD03  
AD03N**  
Aluminium 50mm - wide swivel coupler



**SWL 450 Kg Sf 5:1**



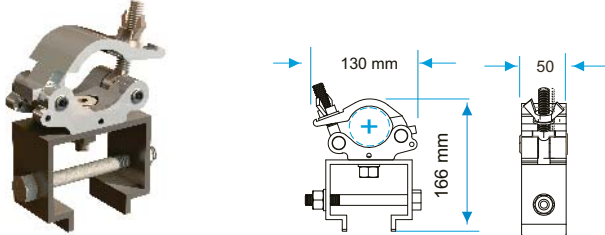
**AS01/SU5050**  
Aluminium half coupler with a female forks connector





**AS01/GCS**

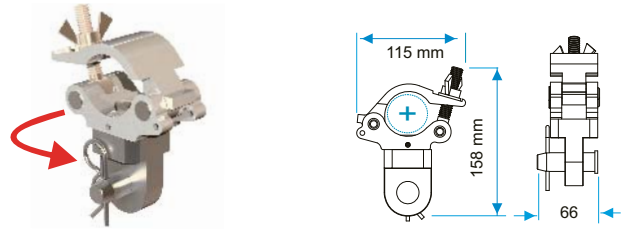
**SWL 450 Kg Sf 5:1**



Aluminium half coupler with rails for cover suitable for  $\varnothing$  48-52 mm tubes  
**Width: 50 mm Weight: 1,20 kg**

**AS01/ST5050**

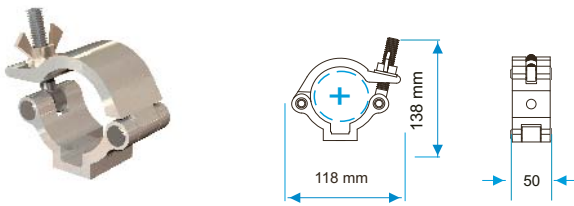
**SWL 450 Kg Sf 5:1**



Aluminium half coupler with a male forks connector suitable for  $\varnothing$  48-52 mm tubes  
**Weight: 1,36 kg**

**AS01/60 - AS01/60N**

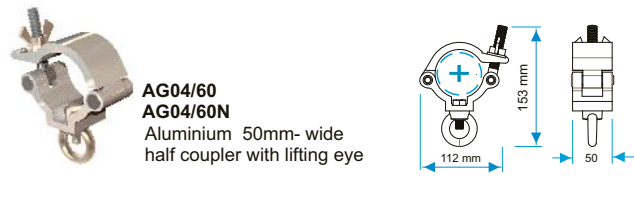
**SWL 500 Kg Sf 5:1**



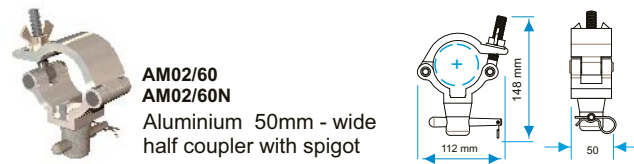
Aluminium 50mm- wide half coupler suitable for  $\varnothing$  60- 63mm tubes  
**Width: 50mm Fixings: M12 hole Weight: 0,452 kg**

Available in black or silver finish ■ ■

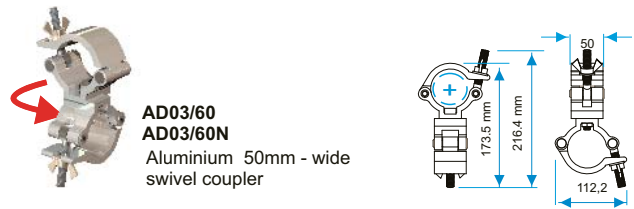
**SWL 700 Kg Sf 5:1**



**AG04/60  
AG04/60N**  
 Aluminium 50mm- wide half coupler with lifting eye



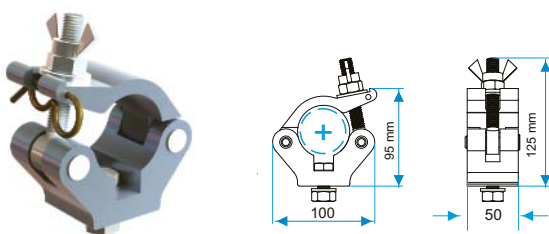
**AM02/60  
AM02/60N**  
 Aluminium 50mm - wide half coupler with spigot



**AD03/60  
AD03/60N**  
 Aluminium 50mm - wide swivel coupler

**AS02 - AS02N**

**SWL 1400 Kg Sf 5:1**

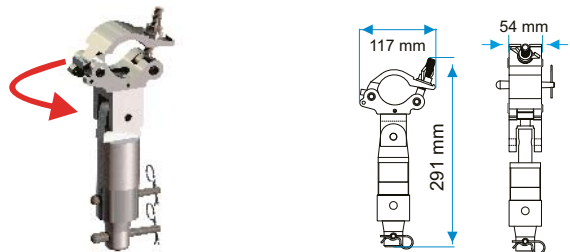


Aluminium 50 mm thick half coupler with safe-locking system suitable for  $\varnothing$  48-51 mm tubes  
**Width: 50 mm Fixings : M12 hole Weight: 0,685 kg**

Available in black or silver finish ■ ■

**AS01/360**

**SWL 150 Kg Sf 5:1**



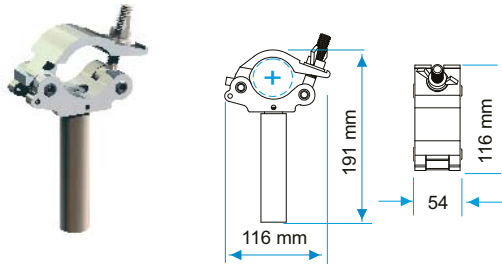
Aluminium swivel coupling - 20 cm length suitable for  $\varnothing$  48-52 mm tubes  
**Width: 50 mm Weight: 1,420 kg**

Available in black or silver finish ■ ■



**AS28**

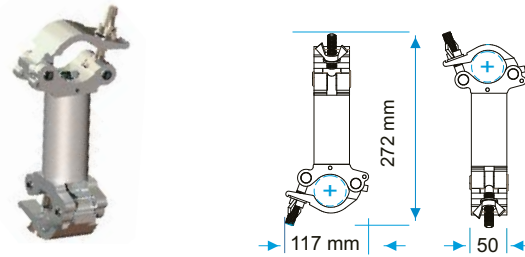
**SWL 450 Kg Sf 5:1**



Aluminium half coupler with a spigot  
 Ø 28mm - 120 mm length  
 suitable for Ø 48-52 mm tubes  
 Width: 50 mm Weight: 0,450 kg

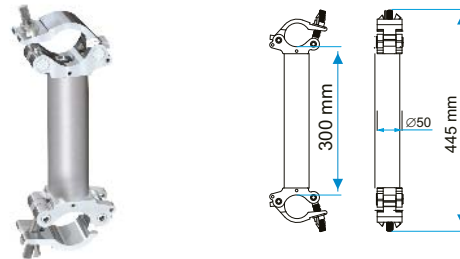
**B/AS01**

**SWL 200 Kg Sf 5:1**



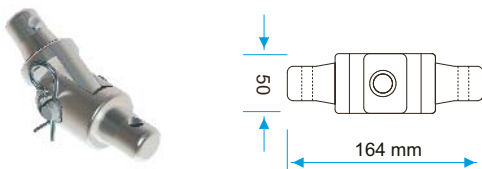
30 cm-length - extended parallel coupler 90° pipe to pipe  
 suitable for Ø 48-51mm tubes  
 Weight: 1,2 kg - Custom lengths available

**B/AS01P**



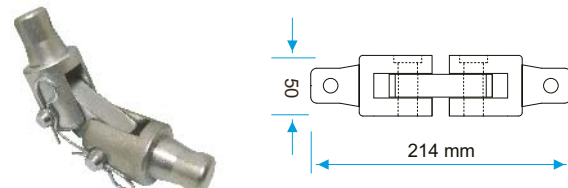
30 cm-length - extended parallel coupler  
 suitable for Ø 48-51mm tubes  
 Weight: 1,2 kg - Custom lengths available

**ST01**



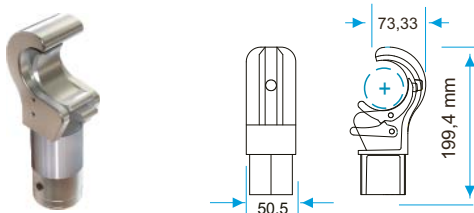
Quick connection with swivel joint, zinc plated steel  
 Weight : 1,47 kg

**ST02**



Quick connection with swivel joint, zinc plated steel  
 Weight : 1,60 kg

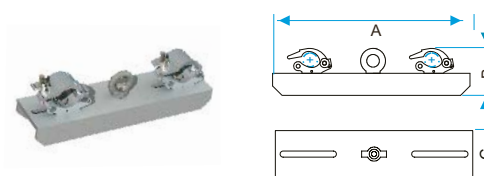
**GMB**



Claw clamp with fast conical system,  
 suitable for Ø 48-52mm tubes  
 Weight : 0,625kg

**ST/2P - ST/3P**

**SWL 500 Kg Sf 5:1**



Heavy duty hanging truss adaptor with lifting eye

**ST/2P**  
 suitable for 25-30 cm truss series  
 Weight : 2,70 kg  
 A: 300 mm B: 138 mm C:100 mm

**ST/3P**  
 suitable for 30-40 cm truss series  
 Weight : 3,20 kg  
 A: 420 mm B: 138 mm C:100 mm



### STAGEMAKER SR10

Electric chain hoist is available with lifting speeds of *4m/min* or *8m/min* adapted to "show-business" applications for loads of **250 to 1000 kg**

- **Double lifting brake as standard** for more safety. Stagemaker SR is **D8+** ready (*after resetting nominal load, divided by 2*).
- The clutch position in the reducer ensures the load is held by the brake regardless of the machine's daily operating conditions.
- **IP55** protection for the entire hoist.
- Black electro galvanized lifting chain

Code	Capacity Load	Chain	Speed 50HZ
SR5 504 M1-A20	500 kg	5x14mm	4 m/mn
SR10 1004 M2-A20	1000 kg	7x20mm	4 m/mn
SR10 2004 M1-A20	2000 kg	7x20mm	4 m/mn



### CHAIN RUNNER

Aluminium device for protection cables

*Dispositivo in alluminio protezione cavi*



### Hand chain hoist for loads of 250 to 5.000 kg

*Paranco manuale a catena per carichi da 250 a 5.000 kg*

- Machined chain sprocket and gears provide smoother, more efficient operation
- 3 meters standard lift. Hand chain is 0.5 meters less than lift chain.
- High strength grade 80 alloy steel load chain with galvanized finish for corrosion resistance (*comply with EN 818, safety factor 4*)
- VHR's compact design offers safety together with reduced weight. Ideal for construction and maintenance applications
- Rugged construction featuring steel gearcase and handwheel cover
- Hooks are alloy steel, heat treated and equipped with hook latches and inspection points

Code	Capacity Load	Height of Lift
VHR 2	500 kg	10 - 15 - 20 m
VHR 3	1000 kg	10 - 15 - 20 m

DEPARTMENT  
*of revisions and maintenance*  
Efesto Production Srl

CHAIN  
HOISTS

INSPECTOR  
UNI 9674  
helmet health  
SAFETY  
of chain hoist  
D.LGS 81/2008  
LAVORO  
ART.71  
PROTECTION  
ANNUAL REVIEW  
safety procedures  
WORKING CONDITIONS  
CE  
safety

MANUTENZIONE  
REVISIONE ANNUALE  
RIPARAZIONE

SAFETY WORK

Paranchi catena  
helmet  
NORMATIVE  
SAFETY  
D.LGS 81/2008  
LAVORO  
ART.71  
PROTECTION  
ANNUAL REVIEW  
safety procedures  
WORKING CONDITIONS  
CE  
safety

### DEPARTMENT of REVISION

Electric hoists's department of revisions does annual review and maintenance the different brands of engines.

The annual review according of regulations (*Legislative Decree 81/2008 - Art. 71 Paragraphs 4 and 8*) has goal to preserve the right functionality of hoists.

The replacement of the elements and / or particular defective happens only with original spare parts.

The safety procedures are necessary for a safe working condition.

DEPARTMENT of **REVISION** releases a **ID card**, the identity card of the motor with review results.

**ID Card** should be preserved with diligence and this accompanies the hoist during its life.





Controller in suitcase for chain hoist  
*Controllo in valigia per paranco elettrico*

Code	Technical data	Connection
SC4P	4 channels	4p CE
SC8P	8 channels	4p CE



Flightcase for electric chain hoist  
*Baule per paranco elettrico a catena*

Code	Dimensions mm	Designation
FC1000	660x 630x590	for 1 SR10
Fc2000	1200x630x655	for 2 SR10



SVHR3 Bag chain  
*Sacca raccoglicatena*

- Max chain length: 20 m
- Color: Black



Steel cable with hook and tapered tip  
*Fune in acciaio con gancio e punta rastremata*

Code	Capacity	Load	Weight
FA4/15	Ø 4 mm	350 kg	1,0 Kg
FA5/20	Ø 5 mm	500 kg	1,8 Kg
FA7/20	Ø 7 mm	900 kg	3,5 Kg
FA7/25	Ø 7 mm	1150 kg	4,3 Kg



Manual winch for lifting (without cable)  
*Verricello manuale senza fune*

Code	Capacity	Load	Weight
351A	350 kg		2 Kg
501A	500 kg		4 Kg
901A	900 kg		8 Kg
1201A	1150 kg		13 Kg



Extension cable for controller 400V 3 Ph  
*Cavo alimentazione-controller 400V 3Ph*

Code	Power-in plug	Controllers
CA16L20	16A 5p CE -20m	4 channell
CA16L25	16A 5p CE -25m	4 channell
CA32L20	32A 5p CE -20m	8/12 channell
CA32L25	32A 5p CE -25m	8/12 channell



Polyester round slings for anchoring  
*Brache di poliestere ad anello chiuse*  
■ CEN/TC 168WG3 EN 1492-1

Code	Length	SWL
BR1000/1	100 cm	1000 Kg
BR2000/1	100 cm	2000 Kg
BR2000/2	200 cm	2000 Kg
BR3000/1	100 cm	3000 Kg
BR3000/2	200 cm	3000 Kg



Polyester slings double layer with slots  
*Brache a doppio strato con asole, in poliestere*  
■ CEN/TC 168WG3 EN 1492-1

Code	Diameter	Length	SWL
BRD1000/1	50 cm	100 cm	1000 Kg
BRD1000/2	50 cm	200 cm	1000 Kg
BRD2000/1	60 cm	100 cm	2000 Kg
BRD2000/2	60 cm	200 cm	2000 Kg
BRD3000/1	90 cm	100 cm	3000 Kg
BRD3000/2	90 cm	200 cm	3000 Kg



Beam clamp adjustable, suitable for hanging hoists and other lifting devices on I and H girders and beams  
*Pinza con apertura regolabile adatto a paranchi e altri sistemi di aggancio su travi e putrelle ad I o H*

Code	Opening	Weight	SWL
PZ1000	75/200	4.80 Kg	1000 Kg
PZ2000	100/250	5.60 Kg	2000 Kg
PZ3000	150/300	11.00 Kg	3000 Kg
PZ5000	150/300	12.30 Kg	5000 Kg
PZ10000	150/300	21.00 Kg	10000 Kg



Polyester -belt ratchet 35 or 50 mm  
*Cinghia a cricchetto in poliestere da 35 o 50 mm*  
■ EN 12195-2:2000

Code	Length	SWL
C3502	200 cm	2000 Kg
C3508	800 cm	2000 Kg
C3510	1000 cm	2000 Kg
C5008	800 cm	5000 Kg
C5010	1000 cm	5000 Kg
C5012	1200 cm	5000 Kg



Black belt ratchet 35mm or 50mm with claw hook  
*Cinghia a cricchetto in poliestere nero da 35 e 50 mm per ancoraggi e sicure*  
■ EN 12195-2:2000

Code	Length	SWL
CU/01-C35F1000	1000 cm	3500 Kg
CU/01-C50F1000	1000 cm	5000 Kg
CU/02-C35F1000	1000 cm	3500 Kg
CU/02-C50F1000	1000 cm	5000 Kg
CU/01D-C35F1000	1000 cm	3500 Kg
CU/01D-C50F1000	1000 cm	5000 Kg



Polyester-belt ratchet 35 or 50 mm with flat eye hook  
*Cinghia a cricchetto in poliestere da 35 o 50mm con gancio ad occhio piatto*  
■ EN 12195-2:2000

Code	Length	SWL
GO-C35F08	800 cm	2000 Kg
GO-C35F10	1000 cm	2000 Kg
GO-C50F08	800 cm	5000 Kg
GO-50F10	1000 cm	5000 Kg
GO-50F12	1200 cm	5000 Kg

## RIGGING



Safety cable steel with loops at the ends and whit white coating  
Cavo di sicurezza in acciaio con asole all'estremità e guaina di protezione

Code	Diameter	Length	SWL
CA3/50M	Ø 3	0,50	200 Kg
CA3/100M	Ø 3	1,00	200 Kg



Steel wire rope slings with eye side and fork  
Cavo in acciaio con lato asola / lato forcella

Code	Diameter	Length	SWL
CAF3/50M	Ø 3 mm	50 cm	100 Kg
CAF3/100M	Ø 3 mm	100 cm	100 Kg
CAF3/400M	Ø 3 mm	400 cm	190 Kg
CAF3/500M	Ø 3 mm	500 cm	830 Kg



Wire metal core ropes with end eyes  
Fune in acciaio con redance ai lati

Code	Diameter	Length	SWL
CA105	Ø 5 mm	100 cm	250 Kg
CA205	Ø 5 mm	200 cm	250 Kg
CA1010	Ø 10 mm	100 cm	1070 Kg
CA2010	Ø 10 mm	200 cm	1070 Kg



Galvanized turnbuckles adjustable with hook and eye  
Tenditore regolabile con gancio e occhiello in acciaio zincato

Code	Diameter	Length	SWL
TM12	Ø 12 mm	210/300 cm	200 Kg
TM14	Ø 14 mm	245/365 cm	250 Kg
TM16	Ø 16 mm	285/425 cm	340 Kg
TM18	Ø 18 mm	310/465 cm	450 Kg



Galvanized turnbuckles adjustable two hooks  
Tenditore regolabile con doppio gancio in acciaio zincato

Code	Diameter	Length	SWL
TM12G	Ø 12 mm	220/300 cm	200 Kg
TM14G	Ø 14 mm	235/325 cm	250 Kg
TM16G	Ø 16 mm	285/400 cm	340 Kg
TM18G	Ø 18 mm	325/450 cm	450 Kg



Galvanized turnbuckles adjustable two forks  
Tenditore in acciaio zincato a due forcelle

Code	Weight	SWL
TM14F	0.870 Kg	750 Kg
TM16F	1.190 Kg	1000 Kg



Chain tensioner ratchet with secure hooks  
Tenditore a cricchetto con ganci di sicurezza

Code	Chain diameter	SWL
TC1125	Ø 6 mm	1125 Kg
TC2000	Ø 8 mm	2000 Kg
TC3150	Ø 10 mm	3150 Kg
TC5300	Ø 13 mm	5300 Kg



Zinc-plated steel omega shackles  
Grilli zincati ad omega

Code	Diameter	SWL
GR1000	Ø 26 mm	1000 Kg
GR1500	Ø 28 mm	1500 Kg
GR2000	Ø 32 mm	2000 Kg
GR3250	Ø 42 mm	3250 Kg



Zinc-plated steel omega shackles  
Grilletto zincato ad omega

Code	Weight	SWL
TM14F	0.350 Kg	200 Kg
TM16F	0.680 Kg	350 Kg



Zinc-plated steel rights shackles  
Grillo dritto in acciaio zincato

Code	Weight	SWL
GRD1000	0,67 Kg	1000 Kg
GRD2000	1,18 Kg	2000 Kg
GRD4000	4,20 Kg	4000 Kg
GRD5000	5,70 Kg	5000 Kg



Zinc-plated steel carabiners with locking ring  
Moschettoni in acciaio zincato con anello di bloccaggio

Code	Weight	Length	SWL
MO60	0,028 Kg	60 mm	130 Kg
MO70	0,043 Kg	70 mm	180 Kg
MO80	0,066 Kg	80 mm	230 Kg
Mo100	0,129 Kg	100 mm	350 Kg



MA240  
Aluminum carabiner oval automatic locking  
Moschettone in alluminio a forma ovale e bloccaggio automatico SWL 240 kg

■ EN 362

**ND15**

Belt with energy absorber length 150cm  
Cintura con assorbitore di energia lungh. 150cm

■ EN 355

**DY150**

Energy absorber with integrated double lanyard  
Assorbitore di energia con cordino doppio integrato

■ EN 355

**MR500**

Wooden shaft, copper 500g head  
Martello in rame con manico in legno

**CAS10V**

Black helmet, optimal protection for work at height and rescue - ventilated

- Shock absorption
- Strong chinstrap (greater than 50 daN)
- Vent holes with sliding shutters for ventilate the helmet
- Six-point textile suspension conforms perfectly to the shape of the head

*Casco nero, per lavori in quota e soccorso -ventilato*

- Assorbimento degli urti
- Forte sottogola (superiore a 50 daN)
- Fori di ventilazione con ante scorrevoli per aerare il casco
- Sei punti di sospensione tessile adatta perfettamente alla forma della testa

■ EN 12492

**CAS10A**

Comfortable helmet for work at height - ventilated

- Shock absorption
- Strong chinstrap (greater than 50 daN)
- CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head

*Casco per lavori in quota - ventilato*

- Assorbimento degli urti
- Forte sottogola (superiore a 50 daN)
- Sistema di regolazione **CenterFit** per regolare il girotesta mantenendo il casco ben centrato sulla testa

■ EN 12492

**STANDARD BODY**

Universal harness  
• D-shaped dorsal construction  
• 4 adjustment points  
• With seat

*Imbracatura universale*  
• 1 dorsale e sternale una "D" forgiato  
• 4 punti di regolazione  
• Con seduta

■ EN 361

**TOTAL BODY**

Fall-arrest harness

- X-shaped dorsal construction
- Practical adjustment
- Semi-rigid, wide waistbelt and leg loops for excellent support

*Imbracatura anticaduta*

- Costruzione dorsale a forma di X
- Regolazione Pratico
- Semi-rigida: largo cintura e cosciali

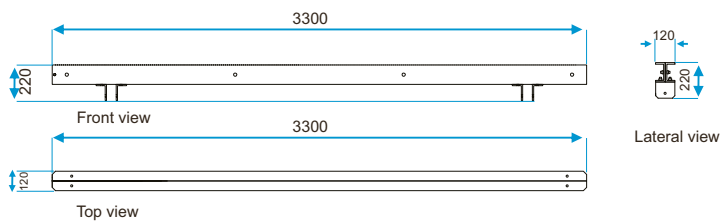
■ EN 361



# LIFTING BEAMS

EFESTO offer a standard range of lifting beams up to 2000 Kg capacity .  
Lifting beams are the ideal solution for a wide range of lifting and handling applications.

## TA330

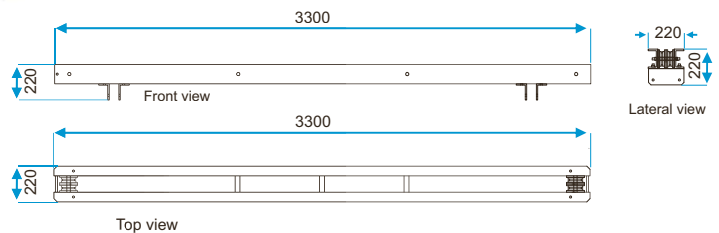
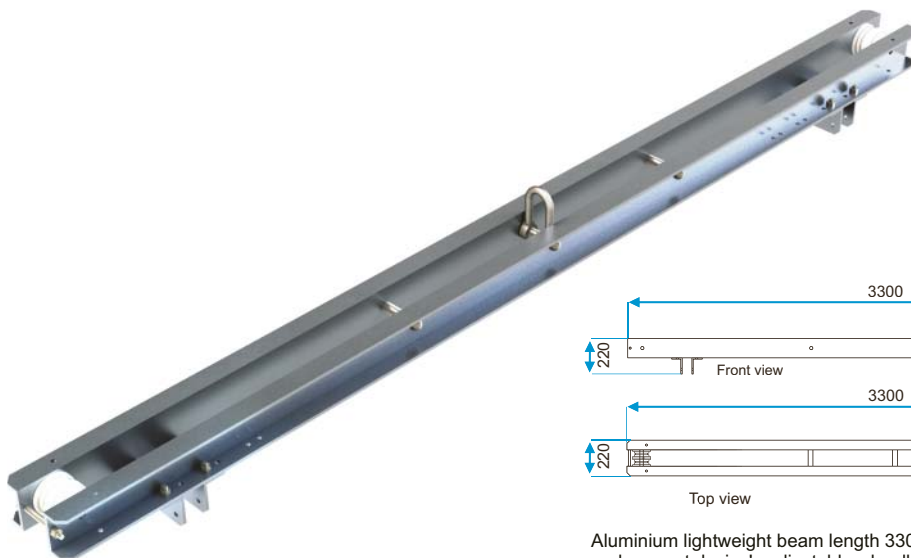


Aluminium lightweight beam length 3300mm with wheels and support device's adjustable wheelbases for high lift capacity

*Trave in alluminio lunghezza 3300 mm con ruote ed interassi di appoggio regolabili per elevate capacità di sollevamento*

Code	Dimensions mm	Weight	Vol. m <sup>3</sup>	Capacity load
Ta3300	3300x220x120	43 Kg	0.087	Central load 1600 Kg Wheel load 2000 Kg

## TA330R



Aluminium lightweight beam length 3300 mm with wheel, central shackle and support device's adjustable wheelbases for high lift capacity

*Trave in alluminio lunghezza 3300 mm con ruote, grillo centrale ed interassi di appoggio regolabili per elevate capacità di sollevamento*

Code	Dimensions mm	Weight	Vol. m <sup>3</sup>	Capacity load
TA3300R	3300x220x220	47 Kg	0.16	Central load 1400 Kg Wheel load 2000 Kg







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FOR EVENTS

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