



Interal T.C. bv

42 / 43 / 44

INTERTRUSS CATALOG

Interal is a Dutch producer of aluminium truss systems. We manufacture straight trusses; ladder, triangular, square, circular and elliptical trusses and all kinds of special truss designs. All our trusses are available in a range of sizes: 20/20, 30/30, 30/40, 40/40 or 40/60 and tube thickness: 50x2, 48x3 or 50x3. We offer two different lines for maximum interchangeability, the Protruss range and the Intertruss range.

Because we manufacture in-house, we are not only able to react flexibly and quickly, but can also supply customer-specific or project-specific designs. Our “specials” - aluminium structures of every conceivable shape and size- are expertly produced to your exact specifications. You can also call on Interal’s expertise and experience at the initial design stage.

Buy:

The Protruss and the Intertruss ranges are highly competitive, both in terms of quality and price. Orders are placed directly with the factory, with all the benefits of short lines of communication, short lead times and attractive prices. Our trusses - 30/30 and 40/40 ladder, triangular and square – are TÜV certified (certificate number: R60006047). All other models will be certified within a short period.

Rent:

Our rental stock includes over one hundred circular structures with diameters ranging from 1 up to 40 metres – these structures can also be supplied in segments. Special structures like these are easy to combine with straight trusses, corner elements, box corners, etc. In addition, we also stock 3000 metres of 30/30 and 40/40 straight truss (triangle and square), with all the matching corner elements and accessories. This range of rental products positions us firmly among the largest truss suppliers in Europe.

The comprehensiveness and versatility of our rental stock, in combination with our inventiveness and experience with custom solutions make Interal an attractive partner for stand builders and event organisers.

On a final note:

If you are planning a project in the near future that will require trusses, Interal is the place to come, regardless of whether you want to buy or rent. We are always happy to put forward an attractive proposal for individual projects.

Yours sincerely,


Interal T.C.



Intertruss 42 / 43 / 44.

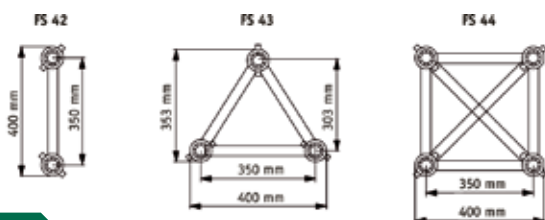
The Intertruss 42/43/44 series is the strongest and largest one in the mid-range truss. Just like the 32/33/34 series they have been designed specifically for professional light and sound equipment, on exhibitions, for entertainment, theatre and discotheque environments. Thanks to its increased size, 40 X 40 cm, the loading capacity and maximum span are higher than the 32/33/34 series, which extends the possibilities by the extra margin that is so often required in large-scale projects.

technical specifications intertruss

Type	42 = Ladder 43 = Triangle 44 = Square	
Alloy	51 st. AlMgSi 1 F 31 ISO Standard AlMgSi EN-AW 6082 T6	
Tube	*FS Ø 50 x 2 mm *FS D Ø 50 x 3 mm *FS HD Ø 50 x 3 mm	
Brace	*FS 42 / 43 / 44 Ø 25 x 2 mm	
Connection	FS Alu. connection piece with spigot and R-spring	

Interal produces a large range of corners, arches, and special constructions based on the Intertruss 42/43/44 series.

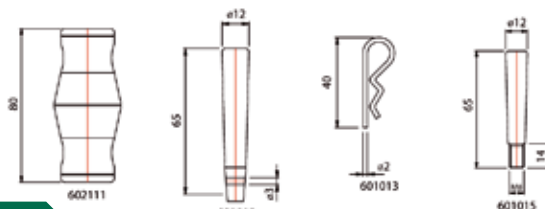
The conical connection piece (same as for the 32/33/34) allows you to assemble your system in the shortest of time.



FS 42

FS 43

FS 44

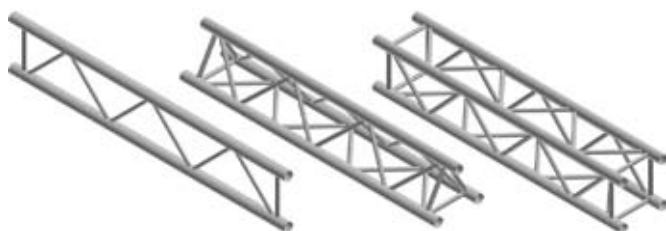


602111

601012

601013

601015



FS 42

FS 43

FS 44



description

connection pieces

INTERTRUSS 42 / 43 / 44 SERIES

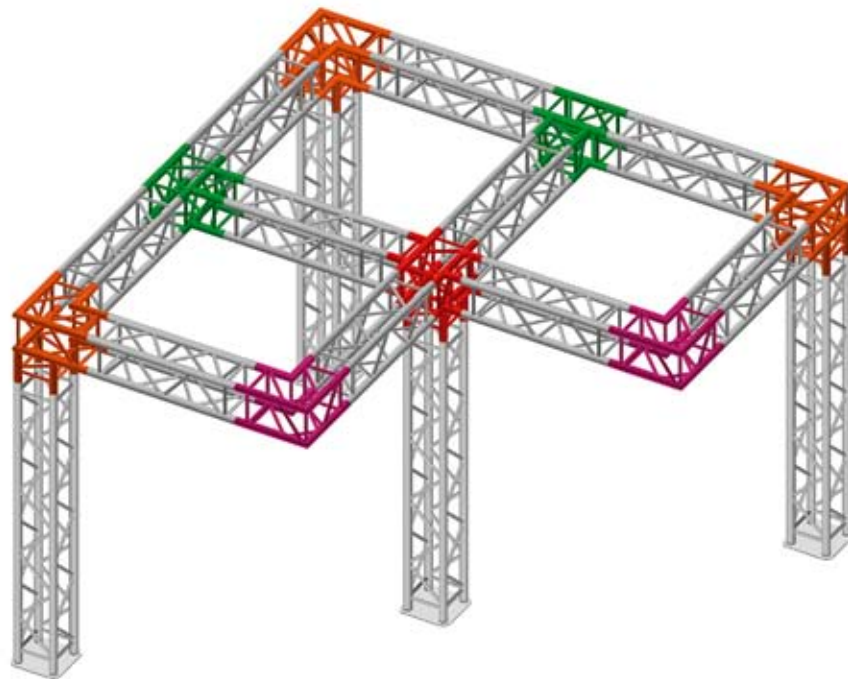
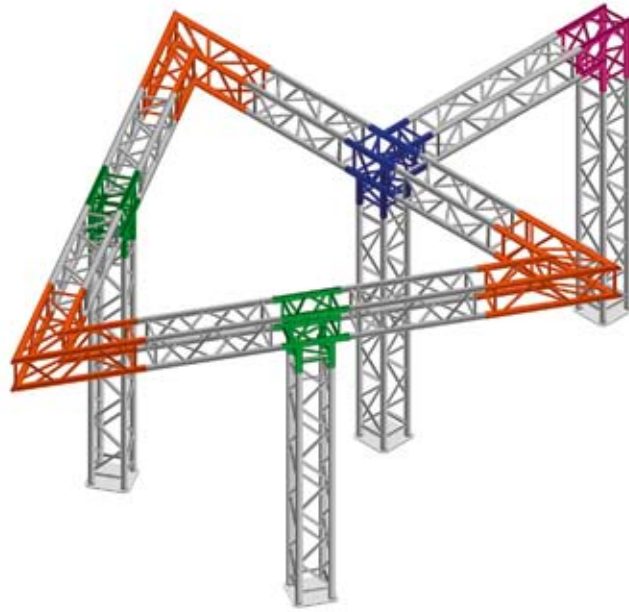
TUBE - Ø 50 X 2

Standard Lengths (m)	0,29	0,50	0,71	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
FS 42 (kg)	1,02	1,75	2,49	3,50	5,25	7,00	8,75	10,50	12,25	14,00	15,75	17,50
FS 43 (kg)	1,60	2,75	3,91	5,50	8,25	11,00	13,75	16,50	19,25	22,00	24,75	27,50
FS 44 (kg)	2,18	3,75	5,33	7,50	11,25	15,00	18,75	22,50	26,50	30,00	33,75	37,50

INTERTRUSS 43 D / 44 D / 44 HD SERIES

TUBE - Ø 50 X 3

Standard Lengths (m)	0,29	0,50	0,71	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
FS 43 (kg)	1,83	3,16	4,49	6,32	9,48	12,65	15,81	18,97	22,13	25,29	28,45	31,61
FS 44 (kg)	2,44	4,22	5,99	8,43	12,65	16,86	21,08	25,29	29,51	33,72	37,94	42,15





type	description
001F	2 way corner 45°



type	description
002F	2 way corner 60°



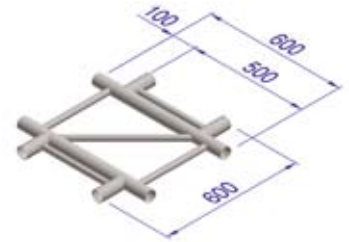
type	description
003F	2 way corner 90°



type	description
004F	2 way corner 120°



type	description
005F	2 way corner 135°



type	description
016F	Cross



type	description
017F	T-joint horizontal



type	description
001U	2 way corner 45°



type	description
002U	2 way corner 60°



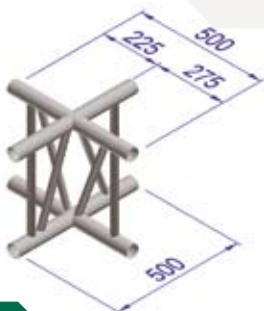
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003U	2 way corner 90°



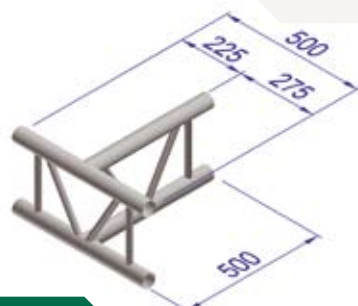
type	description
004U	2 way corner 120°



type	description
005U	2 way corner 135°

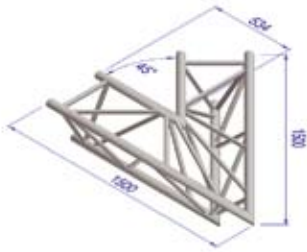


type	description
016U	Cross



type	description
017U	T-joint horizontal

type	description
"F"	FLAT
"U"	UP



type	description
001	2 way corner 45°



type	description
002	2 way corner 60°



type	description
003	2 way corner 90°



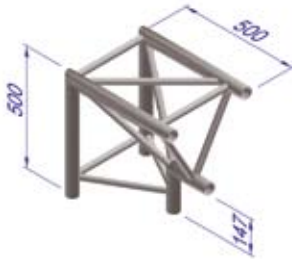
type	description
004	2 way corner 120°



type	description
005	2 way corner 135°



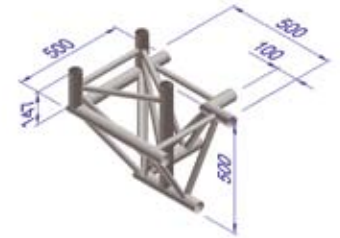
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006	2 way corner 90° apex up



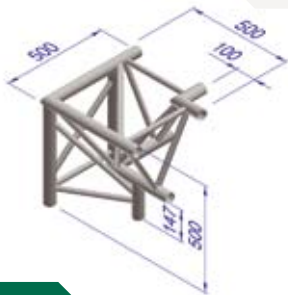
type	description
007	2 way corner 90° apex down



type	description
010	3 way corner 90°



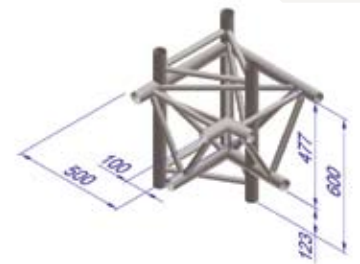
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011	3 way corner 90°



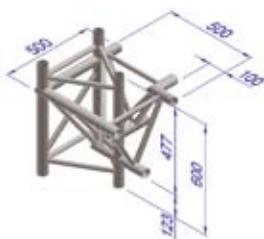
type	description
012	3 way corner 90°



type	description
013	3 way corner 90°



type	description
014	4 way corner 90°



type	description
015	4 way corner 90°



type	description
016	Cross

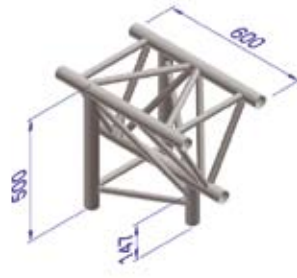


type	description
017	T-joint horizontal

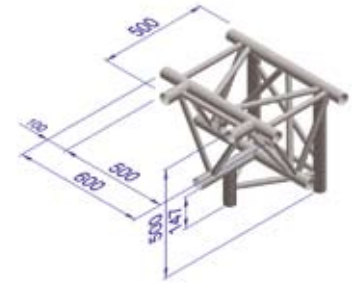
TRIANGLES



type	description
018	T-joint vertical



type	description
019	T-joint vertical (billboard)



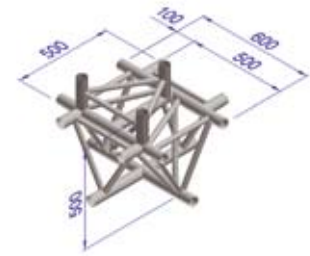
type	description
020	T-joint + down



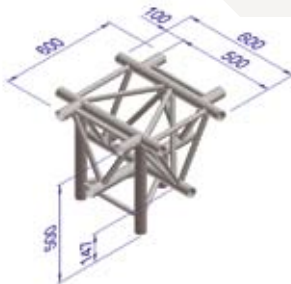
type	description
021	T-joint + up + down



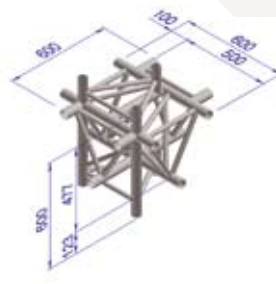
type	description
022	T-joint + up



type	description
023	Cross + up



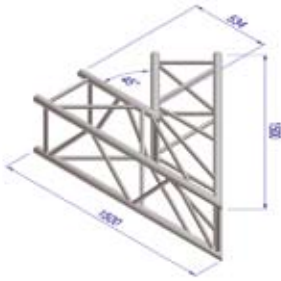
type	description
024	Cross + down



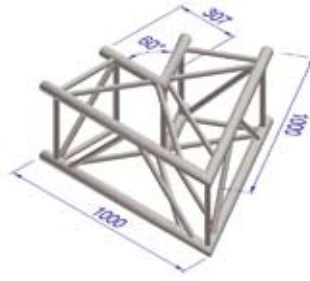
type	description
025	Cross + up + down



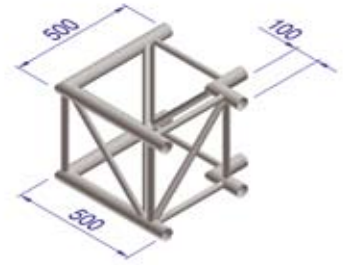
type	description
602404	Bookcorner



type	description
001	2 way corner 45°



type	description
002	2 way corner 60°



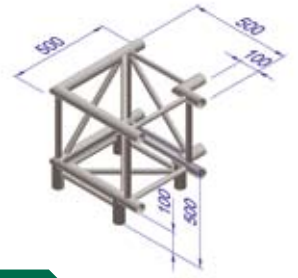
type	description
003	2 way corner 90°



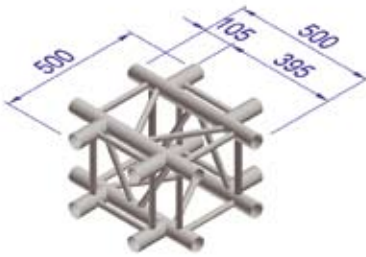
type	description
004	2 way corner 120°



type	description
005	2 way corner 135°



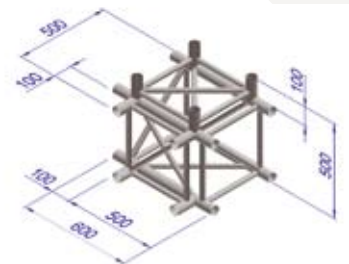
type	description
012	3 way corner 90°



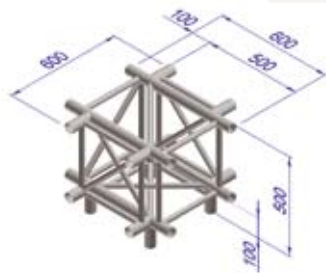
type	description
016	Cross



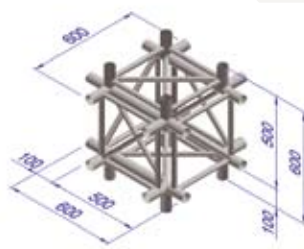
type	description
017	T-joint horizontal



type	description
020	T-joint + down



type	description
024	Cross + down



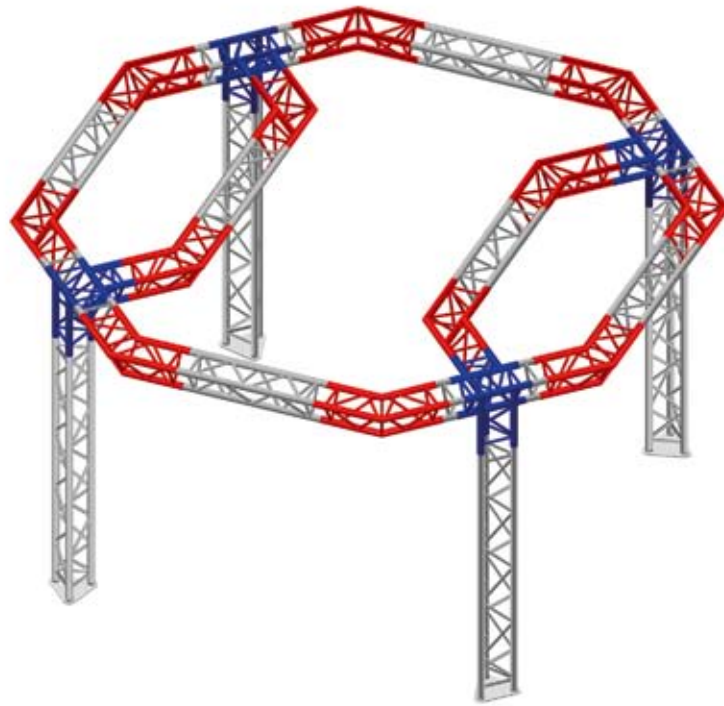
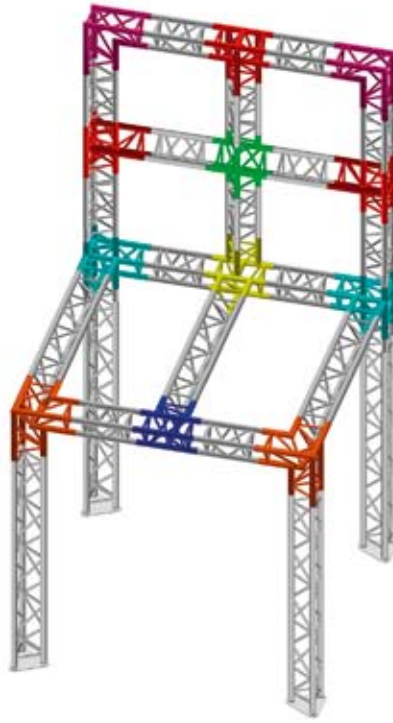
type	description
025	Cross + up + down



type	description
602401A	Boxcorner



type	description
603206/08/10	Mounting rack



INTERTRUSS FS 42						TUBE - Ø 50 X 2			
Length (M)	1,00	2,00	3,00	4,00	5,00				
Point Load (Kg)									
Uniformly Distributed Load (Kg/M)									

INTERTRUSS FS 42 D						TUBE - Ø 50 X 3			
Length (M)	1,00	2,00	3,00	4,00	5,00				
Point Load (Kg)	1561	1157	320	157	65				
3 Point Load (Kg at ¼, ½ and ¾)	520	392	170	70	32				
Uniformly Distributed load (Kg/M)	1518	586	189	64	25				
Uniformly Distributed Load (Kg)	1518	1171	566	257	123				

INTERTRUSS FS 43						TUBE - Ø 50 X 2			
Length (M)	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00
Point Load (Kg)	238	254	224	192	178	176	162	144	135
Uniformly Distributed Load (Kg/M)	334	214	153	108	83	63	51	41	34

INTERTRUSS FS 43 D						TUBE - Ø 50 X 3			
Length (M)	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00
Point Load (Kg)	876	657	569	501	411	374	328	293	251
3 Point Load (Kg at ¼, ½ and ¾)	429	352	285	246	203	182	160	145	124
Uniformly Distributed load (Kg/M)	421	270	174	137	101	80	63	51	42
Uniformly Distributed Load (Kg)	1685	1353	1045	953	805	714	633	560	496

INTERTRUSS FS 44						TUBE - Ø 50 X 2			
Length (M)	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00
Point Load (Kg)	341	318	304	293	284	270	259	248	238
Uniformly Distributed Load (Kg/M)	591	384	303	239	189	148	118	97	82

INTERTRUSS FS 44 D / 44 HD						TUBE - Ø 50 X 3			
Length (M)	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00
Point Load (Kg)	1872	1418	1309	1066	967	847	757	697	614
3 Point Load (Kg at ¼, ½ and ¾)	619	633	615	568	479	428	375	360	305
Uniformly Distributed load (Kg/M)	472	392	311	276	231	188	151	122	101
Uniformly Distributed Load (Kg)	1887	1962	1865	1931	1847	1688	1507	1346	1211

The loading figures are valid only for application of the truss under static loading. The figures have been determined in accordance with DIN standards 4113 Part 1 and Part 2. Whenever dynamic loads are expected, the loading figures should be reduced by 50%. For other loading conditions a structural engineer or Intertruss T.C. should be consulted.



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