



Interal T.C. bv

32 / 33 / 34

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: 32x1.5, 50x2, 48x3, 50x3 or 50x4. 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 32 / 33 / 34.

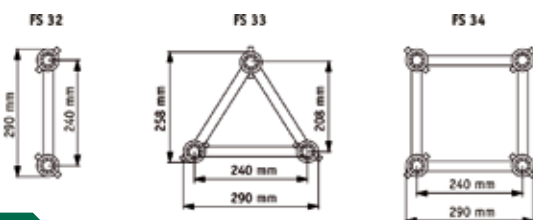
The Intertruss series have been specially designed for professional light and sound equipment, on exhibitions and in discotheques. The conical connection piece allows you to assemble your system in the shortest time, without tools. Intertruss produces a large scale of corners, arches, circles and special constructions based on the Intertruss series. The 32/33/34 series fall into the category of medium duty trusses, with a sizing that is the most widely used in the industry.

technical specifications intertruss

Type	32 = Ladder 33 = Triangle 34 = 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 (only for FS 34)	
Brace	*FS 32 / 33 / 34 Ø 20 x 2 mm	
Connection	FS Alu. connection piece with spigot and R-spring	

Intertruss produces a large range of corners, arches, and special constructions based on the Intertruss 32/33/34 series.

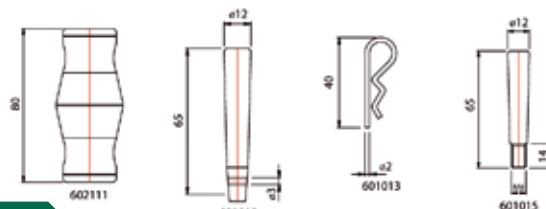
The conical connection piece allows you to assemble your system in the shortest of time.



FS 32

FS 33

FS 34

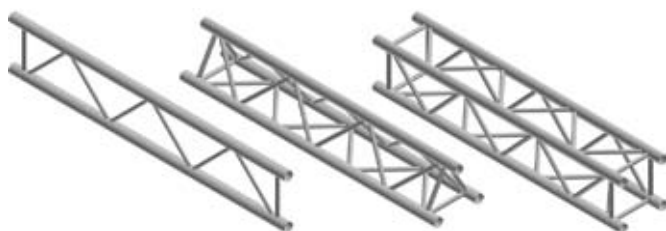


602111

601012

601013

601015



FS 32

FS 33

FS 34



description

connection pieces

INTERTRUSS 32 / 33 / 34 SERIES

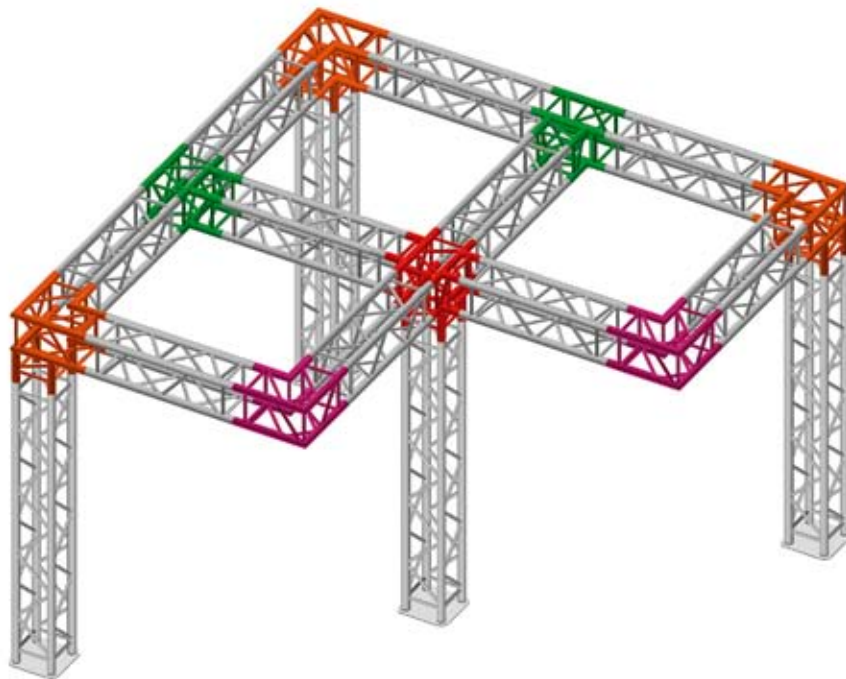
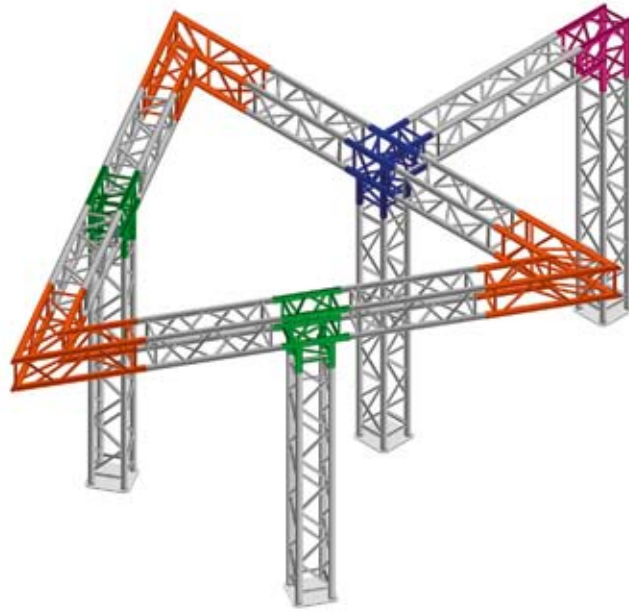
TUBE - Ø 50 X 2

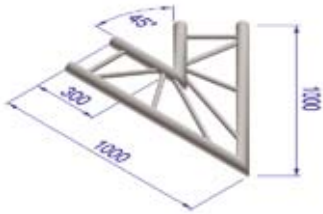
Standard Lengths (m)	0,29	0,50	0,71	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
FS 32 (kg)	0,87	1,50	2,13	3,00	4,50	6,00	7,50	9,00	10,50	12,00	13,50	15,00
FS 33 (kg)	1,31	2,25	3,20	4,50	6,75	9,00	11,25	13,50	15,75	18,00	20,25	22,50
FS 34 (kg)	1,74	3,00	4,26	6,00	9,00	12,00	15,00	18,00	21,00	24,00	27,00	30,00

INTERTRUSS 33 D / 34 D / 34 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 33 (kg)	1,33	2,29	3,25	4,58	6,86	9,15	11,44	13,73	16,01	18,30	20,59	22,88
FS 34 (kg)	1,85	3,19	4,52	6,37	9,56	12,74	15,93	19,11	22,30	25,48	28,67	31,85





type	description
001F	2 way corner 45°



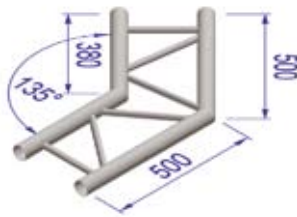
type	description
002F	2 way corner 60°



type	description
003F	2 way corner 90°



type	description
004F	2 way corner 120°



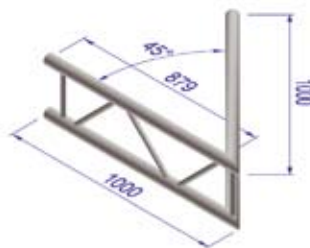
type	description
005F	2 way corner 135°



type	description
016F	Cross



type	description
017F	T-joint



type	description
001U	2 way corner 45°



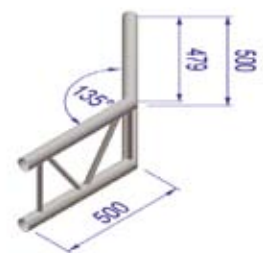
type	description
002U	2 way corner 60°



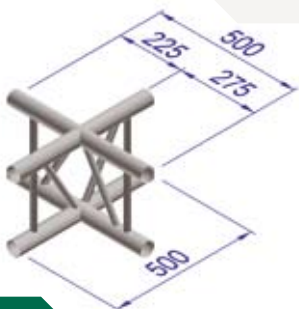
type	description
003U	2 way corner 90°



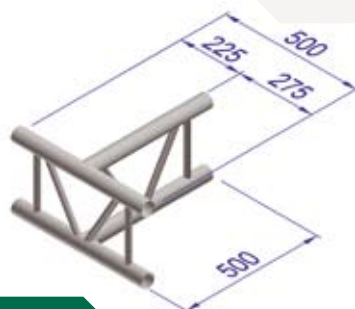
type	description
004U	2 way corner 120°



type	description
005U	2 way corner 135°

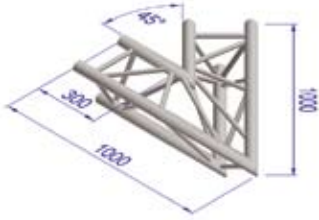


type	description
016U	Cross

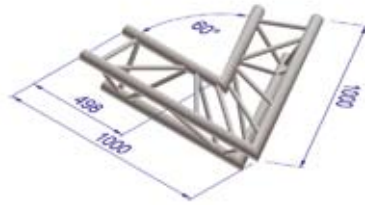


type	description
017U	T-joint

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°



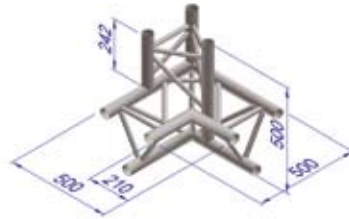
type	description
005	2 way corner 135°



type	description
006	2 way corner 90° apex up



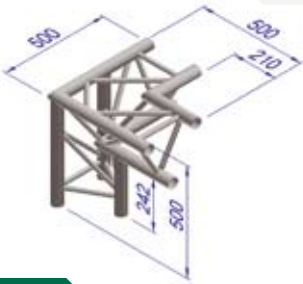
type	description
007	2 way corner 90° apex down



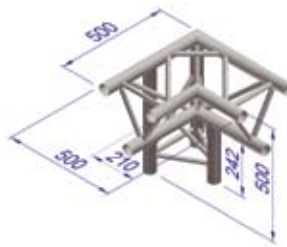
type	description
010	3 way corner 90°



type	description
011	3 way corner 90°



type	description
012	3 way corner 90°



type	description
013	3 way corner 90°



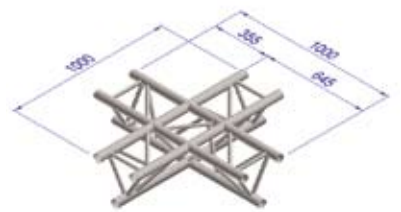
type	description
014	4 way corner 90°



type	description
015	4 way corner 90°



type	description
016	Cross

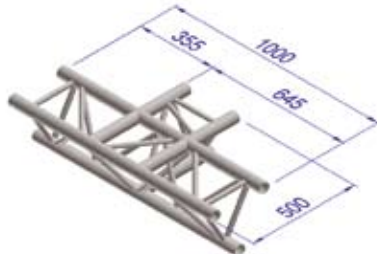


type	description
016L	Cross (long)

TRIANGLES



type	description
017	T-joint horizontal



type	description
017L	T-joint horizontal



type	description
018	T-joint vertical



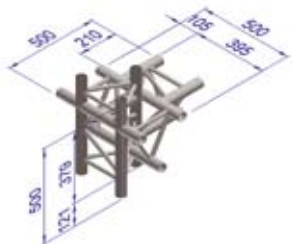
type	description
018L	T-joint vertical (long)



type	description
019	T-joint vertical (billboard)



type	description
020	T-joint + down



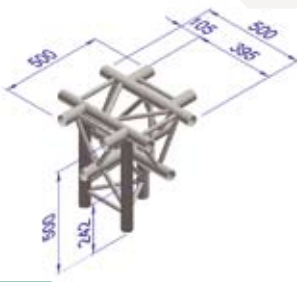
type	description
021	T-joint + up + down



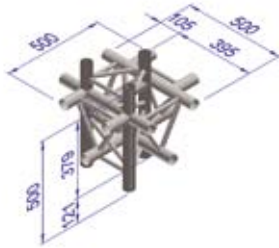
type	description
022	T-joint + up



type	description
023	Cross + up



type	description
024	Cross + down



type	description
025	T-joint + up + down



type	description
602403	Bookcorner



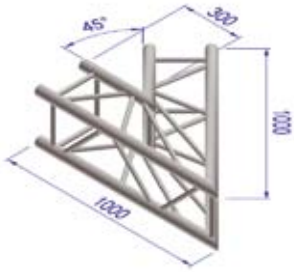
type	description
030	Base / wall plate 6 mm
031	Base / wall plate 8 mm



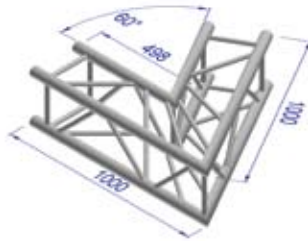
type	description
030	Base / wall plate 6 mm
031	Base / wall plate 8 mm



type	description
030	Base / wall plate 6 mm
031	Base / wall plate 8 mm



type	description
001	2 way corner 45°



type	description
002	2 way corner 60°



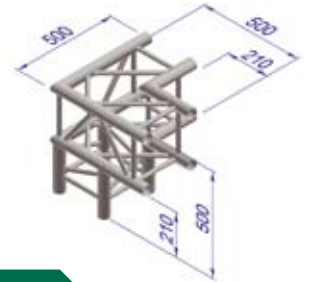
type	description
003	2 way corner 90°



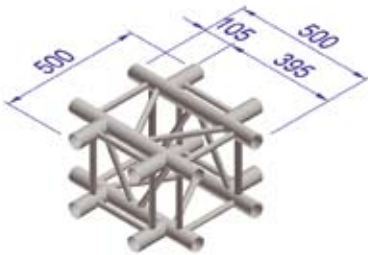
type	description
004	2 way corner 120°



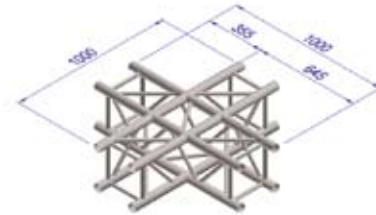
type	description
005	2 way corner 135°



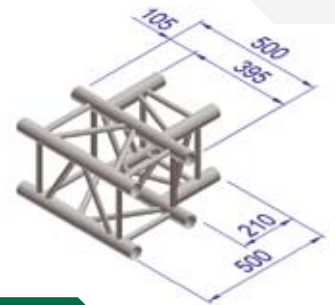
type	description
012	3 way corner 90°



type	description
016	Cross



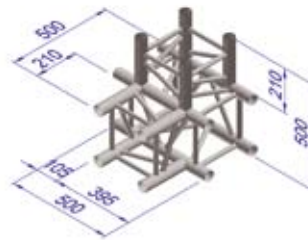
type	description
016L	Cross



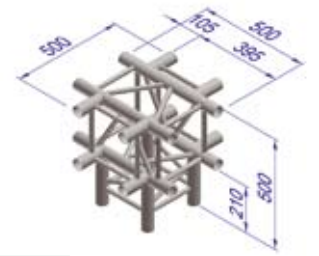
type	description
017	T-joint



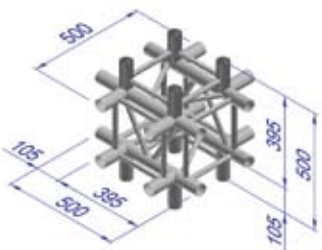
type	description
017L	T-joint (long)



type	description
020	T-joint +down



type	description
024	Cross + down



type	description
025	Cross + up + down



type	description
602400A	Boxcorner



type	description
603205/07/09	Mounting rack

INTERTRUSS FS 32

TUBE - Ø 50 X 2

Length (M)	2,00	3,00	4,00	5,00					
Point Load (Kg)	576	154	65	29					
Uniformly Distributed Load (Kg/M)	479	108	32	12					

INTERTRUSS FS 32 D

TUBE - Ø 50 X 3

Length (M)	1,00	2,00	3,00	4,00	5,00				
Point Load (Kg)	891	747	244	101	44				
3 Point Load (Kg at ¼, ½ and ¾)	297	293	117	46	21				
Uniformly Distributed load (Kg/M)	873	438	143	43	16				
Uniformly Distributed Load (Kg)	873	876	428	173	81				

INTERTRUSS FS 33

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)	298	259	238	209	178	195	146	127	115
Uniformly Distributed Load (Kg/M)	244	151	108	78	55	43	35	28	22

INTERTRUSS FS 33 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)	575	481	392	340	276	253	220	195	164
3 Point Load (Kg at ¼, ½ and ¾)	287	236	198	168	137	123	108	97	82
Uniformly Distributed load (Kg/M)	287	188	128	92	67	53	43	34	28
Uniformly Distributed Load (Kg)	1150	939	772	645	541	478	429	369	324

INTERTRUSS FS 34

TUBE - Ø 50 X 2

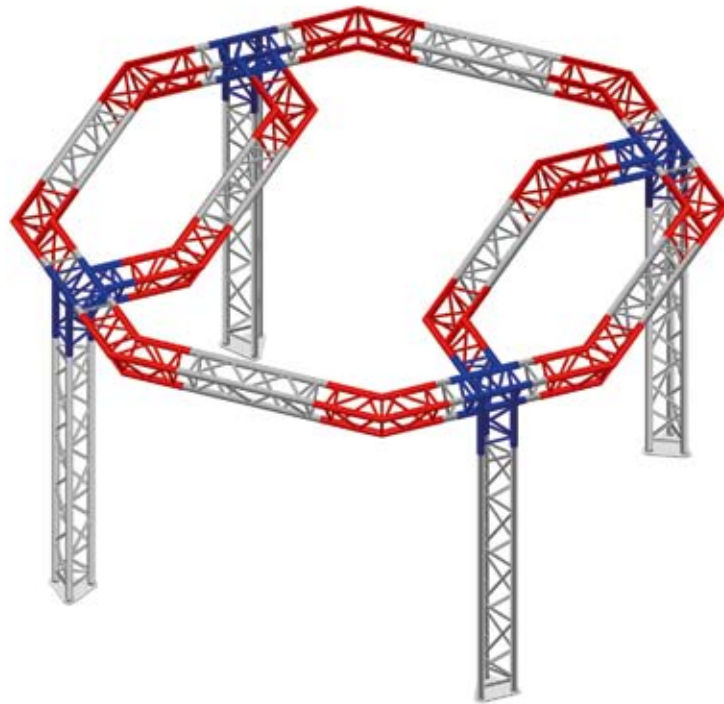
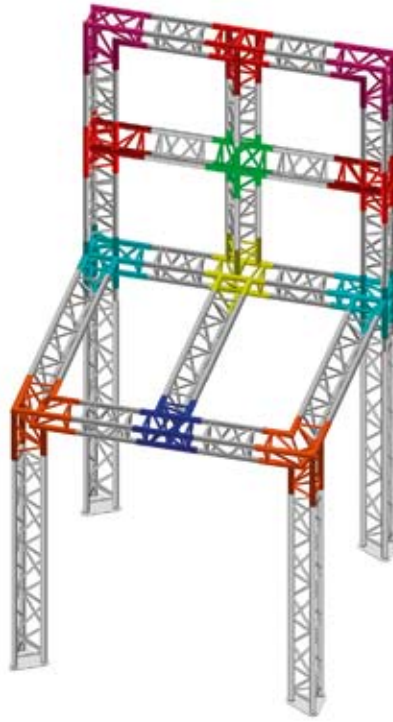
Length (M)	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00
Point Load (Kg)	398	362	363	315	298	277	270	245	232
Uniformly Distributed Load (Kg/M)	424	373	242	170	131	101	82	65	54

INTERTRUSS FS 34 D / 34 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)	1380	1095	906	768	654	583	518	464	409
3 Point Load (Kg at ¼, ½ and ¾)	575	538	457	314	324	290	256	232	203
Uniformly Distributed load (Kg/M)	459	355	298	216	160	126	103	83	67
Uniformly Distributed Load (Kg)	1837	1773	1784	1513	1282	1142	1028	903	806

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.



Handwriting practice area with horizontal dotted lines.

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