



- 1 Receptor de bolsillo con auriculares
- 2 Radiador Integrus
- 3 Transmisor Integrus
- 4 Unidad de presidente DCN inalámbrica
- 5 Unidades de delegado DCN inalámbricas
- 6 Punto de acceso inalámbrico
- 7 Puestos de intérprete DCN Next Generation
- 8 Columnas
- 9 Sistema de cámaras

* Las cabinas de intérprete que aparecen en el dibujo son a título ilustrativo y no representan una situación real. Los requisitos con respecto al aislamiento del sonido y otras características generales de las cabinas de intérprete se especifican mediante la ISO (Organización Internacional de Normalización) a través de:

- ISO 2603: cabinas fijas para interpretación simultánea
- ISO 4043: cabinas móviles para interpretación simultánea

Integrus es la extensión perfecta para el sistema de conferencias DCN de Bosch y para el sistema de debate CCS 900 Ultra para reuniones multilingües en organizaciones y empresas Internacionales, ya que garantiza una perfecta recepción y una cómoda experiencia de escucha.





Componentes de Integrus: una solución fiable y de primera

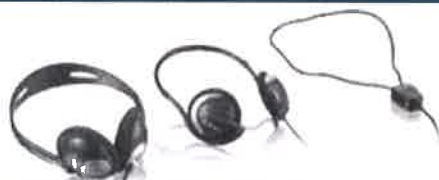
La familia Integrus comprende innovadores productos de alta calidad para una experiencia de sonido óptima. Incluye el elegante transmisor de 19" (el núcleo del sistema), varios radiadores digitales, receptores de bolsillo, distintos tipos de auriculares y unidades de carga.

Receptor



- ▶ Diseño atractivo y ergonómico
- ▶ Clara pantalla LCD de dos dígitos
- ▶ Indicador del estado de la batería y de la recepción
- ▶ Electrónica integrada para un rendimiento de carga óptimo
- ▶ Disponible en versiones de 4, 8 o 32 canales

Auriculares



- ▶ Distintos estilos, según las necesidades
- ▶ Conectores bañados en oro para una calidad de audio superior
- ▶ Cómodos de llevar y de utilizar

Transmisor



- ▶ Perfecta integración con prácticamente cualquier sistema de conferencias
- ▶ Sincronización automática de canales cuando se utiliza en combinación con un sistema de conferencias DCN
- ▶ Fácil configuración a través de la pantalla y un único botón giratorio
- ▶ Disponible en versiones de 4, 8, 16 o 32 canales

Radiador



- ▶ Silencioso: refrigeración sin ventilador
- ▶ Ampliable para maximizar el alcance
- ▶ Disponible en dos versiones para adaptarse a recintos de distintos tamaños

Unidad de carga



- ▶ Puede alojar hasta 56 receptores
- ▶ Recarga rápida en 1 hora y 45 minutos
- ▶ Disponible en formato de maleta para usos portátiles y de bastidor para instalaciones permanentes

Accesorios

- ▶ Paquete de batería recargable, maleta de transporte, soporte de pared, trípode, entrada de audio simétrica y módulo de intérpretes

Una tradición de Calidad e Innovación

Desde hace 125 años, el nombre de Bosch se ha asociado siempre a calidad y fiabilidad. Bosch es el suministrador global de su elección por su innovadora tecnología, respaldada por un Servicio Técnico y Postventa altamente especializado.



Bosch Security Systems se complace en ofrecerle una extensa gama de soluciones de seguridad, protección de vidas y bienes, audio y comunicaciones que se vienen aplicando en el mundo entero, desde instituciones públicas y privadas hasta centros de enseñanza y sector residencial.

Bosch Security Systems

Para más información,
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o envíe un e-mail a
es.securitysystems@bosch.com

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12. PANTALLA TRUSS

- **TRUSS PROLYTE 30 X 30 H**

PROLYTE TRUSS SYSTEMS





Dedicated to all Prolyte users

Due to the growing diversity of our product range and the constant addition of new products, Prolyte feels it is more convenient for our users to present these products in separate brochures rather than in our previous all-encompassing catalogue. Doing so will also give Prolyte the opportunity to publish updates more frequently, which will guarantee you optimum and up-to-date information. Compiling new product information, gathering new technical information and updating it according to the latest insights and standards is a new challenge every time, but also a great pleasure.

We hope, again, to provide you with the basic essentials we believe our products should meet, in-depth product information and user-friendly solutions. Product safety and safe working practices can only be achieved by offering complete product information and knowledge.

Our starting point is the provision of a database which all Prolyte users can consult on a regular basis.

Our policy to deliver not only the best possible products but also to support you in the best possible way is an aim keenly felt and supported by the entire Prolyte team. We hope this updated and restructured information will go some way to fulfilling this aim. As ever, feedback on information or products is welcome. After all, listening to our users will help us to perform even better.

Extraction of aluminium

Aluminium is the most abundant metal on Earth.

But despite this it is expensive, largely because of the amount of power consumed in the extraction process.

Aluminium ore is called bauxite. Bauxite is purified to yield a white powder, aluminium oxide, from which aluminium can be extracted. Extraction is done by electrolysis, but first the aluminium oxide must be made molten so that electricity can pass through it.

Aluminium oxide has a very high melting point (over 2000°C) and it would be expensive to melt it. Instead, it is therefore dissolved in molten cryolite, an aluminium compound with a lower melting point than aluminium oxide.

Prolyte Products. Performance in Aluminium.

TE

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INTRODUCTION

Providing the complete range

Offering our customers a complete range of trussing suitable for several types of applications and solutions is the main philosophy behind our product range.

Prolyte therefore has a broad range of trusses, from small, aesthetic trusses for shop fitting or exhibition use to large and robust truss types for more rugged installations or outdoor events. Prolyte is able to recommend a suitable truss type for each job. All Prolyte trusses are based on the same design principles: keep it simple, keep it standard, make life easier, be flexible and, last but not least, safety is paramount.

Economic investment

Investing in Prolyte trusses is a sound investment for the future. Prolyte systems are designed for growth.

Starting with several pieces of truss you can expand your stock to ground supports, towers or even roof systems, still based on your first set of trusses.

Furthermore, Prolyte is able to give you thoroughly professional advice and support based on extensive insight

into your market, practical experience and customer feedback. Investing in truss systems that are most suited to your market demands and company's goals is as important as investing in solid and safe material. Prolyte trusses are renowned for their high quality and reliability.

Safety first

When it comes to working with rigging or trussing materials, safe working practice and a comprehensive knowledge of materials are vital. Prolyte designs trusses that not only have a proven track record but are also based on the workmanship and experience of many technicians worldwide.

Their feedback, ideas and requirements are incorporated into the design of our trusses.

Providing you with current and accurate data on loading possibilities and material specifications is another step towards enhancing safe working practice. Your safety depends on the correct use and application of our trusses. Prolyte therefore provides you with as much knowledge and data as possible. Why not attend one of our free seminars?

Definition

A truss as used in the entertainment sector is a modular, spatial lattice structure, predominantly made of welded aluminium tubes. It is designed to build 2D or 3D structures and to support loads such as set props, lighting or sound equipment.

Application

The use of trusses in the entertainment sector can be divided into two main categories:

- A truss system used as a construction element
- A truss construction used as lifting equipment

A truss system used as a construction element – that is, as a supporting structure for an exhibition stand or wall-mounted billboard frame – is, in most European countries, subject to local building codes and must be calculated in compliance with applicable standards such as DIN 4113, BS 8118 and Eurocode 9.

Prolyte trusses are calculated in compliance with DIN 4113 and Eurocode 9 standards. In accordance with regulations for building as compiled by DIBt, the German institute for building technology, trusses must bear the U-sign.

The U-sign is a part of European CE marking that applies to building materials only and constitutes a declaration on the part of the manufacturer that trusses and the materials from which they are made all meet the applicable requirements.

Trusses can also be used as a load-bearing element in combination with a lifting machine such as a winch or a hoist. This application differs from the first because, in most cases, it means that loads will be suspended above individuals or a broader public. Increased safety measures may therefore be needed.

Furthermore, trusses as used in the entertainment sector are subject to wear and tear through repetitive use and handling. Trusses are subject to the CWA 15902-2 which state that therefore an additional safety factor of 1,2 is required.

Truss structures are mainly used in the events market, which can be defined as, but not restricted to, all activities for leisure and sports, arts and cultural performances, amusement, or the presentation of products.

Examples of entertainment are:

- Product presentations
- Theatre shows, musicals and opera
- Concerts, festivals and fairgrounds
- Exhibitions and trade shows
- Celebrations and parties
- Conventions, demonstration meetings

Would you like to know more?

Please visit www.prolyte.com for more technical information on Prolyte truss systems, manuals and loading tables.

We provide more in-depth technical knowledge on roof and stage structures in the Prolyte Black Book "Technical Matters" (technical background information).

	USE
AI-17	Health and safety requirements -lifting equipment / Netherlands
BGV C1 / GUV 6,15	Staging and Production Facilities for the Entertainment Industry / Germany
BS 7906-2	Code of practice for use of aluminium and steel trusses and towers / England
LOLER	Safe use of lifting equipment, lifting operations and lifting equipment regulations / England
NPR 8020-10	Entertainment-rigging-design factors of safety / Netherlands
TISE	The institution of Structural Engineers, Temporary Demountable structures, guidance on use, procurement and design / England
VPLT SR 1.0	Code of practice for event technology- Provision and Use of Truss Systems / Germany
	MANUFACTURING
ANSI E1.21	Temporary ground-supported overhead structures used to cover the stage and support equipment in the production of outdoor events
ANSI E1.2-2006	Entertainment Technology: Design, Manufacture and Use of Aluminium Trusses and Towers
CWA 15902-2	Lifting and Load-bearing Equipment for Stages and other Production Areas within the Entertainment Industry - Part 2: Specifications for design, manufacture and for use of aluminium and steel trusses and towers
BS 7905-2	Specification for design and manufacture of aluminium and steel trusses and towers
BS 8118	Structural use of Aluminium part 1 code of practice for design
DIN 1055 (all parts)	Design loads on buildings - all parts
DIN 18000-1	Steel structures; design and construction
DIN 4112	Temporary structures, fairground amusements, directives for dimensioning and construction
DIN 4113-All parts	Aluminium constructions under predominantly static loading; static analysis and structural design
EN 10002-1	Metallic materials – Tensile testing – Part 1: Method of testing at ambient temperature
EN 10067:1997	Hot rolled bulb flats, Dimensions and tolerances on shape, dimensions and mass
EN 13155	Cranes-safety-non-fixed load lifting attachments
EN 1990	Eurocode 0 Basis of structural design
EN 1991 all parts	Eurocode 1 Actions on structures
EN 1999 all parts	Eurocode 9 design of Aluminium structures
EN 30042:1994	Arc welded joints in aluminium and its weldable alloys - Guidance on quality levels for imperfections.
EN ISO 3834-1 & 3	Quality requirements for welding - Fusion welding of metallic materials – Part 1: Guidelines for selection and use Part 3: Standard quality requirements
EN 292-1	Safety of machinery - Basic concepts, general principles for design – Part 1: Basic terminology, methodology
EN 292-2	Safety of machinery - Basic concepts, general principles for design – Part 2: Technical principles and specifications
EN 754 (all parts)	Aluminium and aluminium alloys - Cold drawn rod/bar and tube
EN 755 (all parts)	Aluminium and aluminium alloys - Extruded rod/bar, tube and profiles
EN 515:1993	Aluminium and aluminium alloys - Wrought products - Temper designations
EN 573 (all parts)	Aluminium and aluminium alloys - Chemical composition and form of wrought products
EN 10204:2004	Metallic products - Types of inspection documents
PREN 1090-3	Execution of steel and aluminium structures-part 3 technical rules for execution of aluminium structures

DO

- Clean, check and maintain your trusses on a regular basis, as this will improve ease of assembly
- Throw away damaged or deformed trusses, spigot pins or couplers
- Make a structural calculation for each construction you build
- Store and transport your trusses on proper dollies
- Use copper hammers for assembling, as this will reduce damage to the truss and pins
- Attach loads in node points
- Check how loads are attached to the truss before lifting

DON'T

- Mix H and X version trusses in one construction
- Mix trusses of multiple suppliers in one construction
- Exceed the maximum loading of single spans as specified in the loading tables
- Exceed the given structural data of trusses
- Drill holes in truss tubes
- Use damaged trusses, couplers or spigot pins
- Climb on trusses while attaching yourself to a truss; most trusses are not designed to hold loads resulting from a free fall
- Attach loads to the truss diagonals

DECORATIVE TRUSS



System characteristics

The Prolyte Decorative truss consists of the E20 series.

The E20 truss is available in triangular and square types.

The E20 series is designed as a lightweight, light-duty truss system with a mainly decorative function.

The small and highly aesthetic truss can be used for structural purposes as well. Compact construction, optimum strength and high-tech looks make this truss an appropriate decorative element with numerous applications.

System applications

The E20 series truss offers a flexible and visually attractive solution for exhibition builders, shop fitters, and for architectural and interior design applications.

It is primarily used for displays, exhibition booths or interior decoration. In these markets, the products must meet high demands. The product has to look neat and clean in its decorative function but, at the same time, has to be very flexible when part of a complex structure. E series trusses incorporate all of these characteristics – and more.

Coupling system

The Prolyte Decorative truss, or E20 series, uses the CCS4 conical coupling system. CCS4 allows fast, efficient and reliable coupling of your trusses and corners.



PROLYTE E20D / E20V TRUSS

Photo : Le Creuset GMBH, Germany
Project : Messe Leipzig



The E20 truss is constructed of main tubes of 32 x 1,5 mm and diagonals of 10 x 1,0 mm, and uses the CCS4 coupling system. Prolyte supplies a variety of E20 truss elements that

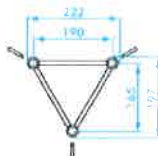
provide maximum flexibility, like standard or custom-made lengths, circles and arches, and several types of corners. Prolyte can deliver custom-made pieces on request.



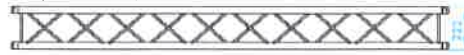
Prolyte E20D top view



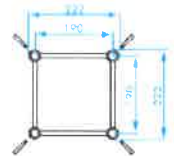
Prolyte E20D side view



Prolyte E20V top view



Prolyte E20V side view



PROLYTE E20D / E20V TRUSS

PROLYTE E20D - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
						CENTRE POINT LOAD		DEFLECTION		SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS		
		UDL				CPL				TPL		GPL		FPL		total weight
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	
1	3.3	339,8	228.7	1	0.04	339,8	750.0	1	0.04	169,9	375.0	113,0	249.4	85,0	187.5	1,6
2	6.6	169,1	113.8	3	0.12	225,4	497.4	2	0.09	169,0	373.1	112,2	247.6	84,6	186.6	3,2
3	9.8	99,3	66.8	7	0.28	148,9	328.7	5	0.20	111,7	246.5	74,5	164.3	61,8	136.4	4,8
4	13.1	55,1	37.1	12	0.47	110,3	243.4	10	0.39	82,7	182.6	55,1	121.7	45,8	101.0	6,4
5	16.4	34,7	23.4	19	0.75	86,8	191.5	15	0.59	65,1	143.7	43,4	95.8	36,0	79.5	8,0
6	19.7	23,6	15.9	27	1.06	70,9	156.4	22	0.87	53,1	117.3	35,4	78.2	29,4	64.9	9,6
7	23.0	19,9	11.4	37	1.46	59,3	130.8	29	1.14	44,4	98.1	29,6	65.4	24,6	54.3	11,2
8	26.2	12,6	8.5	48	1.89	50,3	111.1	39	1.54	37,8	83.3	25,2	55.6	20,9	46.1	12,8
9	29.5	9,6	6.5	61	2.40	43,2	95.4	49	1.93	32,4	71.6	21,6	47.7	17,9	39.6	14,4
10	32.8	7,5	5.0	75	2.95	37,4	82.5	60	2.36	28,0	61.9	18,7	41.3	15,5	34.3	16,0
11	36.1	5,9	4.0	91	3.58	32,5	71.7	73	2.87	24,4	53.7	16,2	35.8	13,5	29.7	17,6
12	39.4	4,7	3.2	108	4.25	28,2	62.3	87	3.43	21,2	46.7	14,1	31.2	11,7	25.9	19,2

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte



Mark approval certificate No. 344/02
Test report No. 343/02
TUV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS E20 SERIES

Types	Ladder (L), Triangle (D), Square (V)			
Alloy	EN AW 6060 T5			
Main tubes (chords)	32 x 1,5 mm			
Braces	10 x 1,0 mm			
Coupling system	CCS4 series			
Type		E20D	E20V	
Allowable Normal Force in Main Chord	N	6,90	6,90	kN
Allowable Normal Force in Diagonals	N	1,36	1,36	kN
Surface area Complete Truss	A	4,31	5,75	cm ²
Moment of Inertia Y-axis	I _y	224,7	446,7	cm ⁴
Moment of Inertia Z-axis	I _z	223,4	446,7	cm ⁴
Allowable bending moment Y-axis	M _y	1,14	2,62	kNm
Allowable bending moment Z-axis	M _z	1,31	2,62	kNm
Allowable shear force Z-axis	Q _z /V _z	1,67	1,92	kN
Allowable shear force Y-axis	Q _y /V _y	0,96	1,92	kN
Selfweight	kg	1,6	2,1	kg/m

E20 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,25	0.38	E20*-L025
0,50	1.64	E20*-L050
0,58	1.90	E20*-L058
0,75	2.46	E20*-L075
1,00	3.28	E20*-L100
1,50	4.57	E20*-L150
2,00	6.56	E20*-L200
2,50	8.20	E20*-L250
3,00	9.84	E20*-L300
3,50	11.48	E20*-L350
4,00	13.12	E20*-L400
4,50	14.76	E20*-L450
5,00	16.40	E20*-L500

*on * indicate L for ladder, D for triangle or V for Square truss. Example: E20V-L200

PROLYTE E20V TRUSS

PROLYTE E20V - ALLOWABLE LOADING																
SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
						CENTRE POINT LOAD		DEFLECTION		SINGLE LOAD THIRD POINTS LOAD PER POINT		SINGLE LOAD FOURTH POINTS LOAD PER POINT		SINGLE LOAD FIFTH POINTS LOAD PER POINT		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	381,8	256.9	1	0.04	381,8	842.6	1	0.04	190,9	421.3	126,9	280.1	95,4	210.6	2,1
2	6.6	189,8	127.7	3	0.12	379,7	837.9	3	0.12	189,8	419.0	125,9	277.8	94,9	209.5	4,2
3	9.8	125,9	84.7	8	0.32	346,4	764.5	6	0.24	188,8	416.6	124,8	275.4	94,4	208.3	6,3
4	13.1	93,9	63.2	14	0.55	258,0	569.3	11	0.43	187,7	414.3	123,8	273.1	93,9	207.2	8,4
5	16.4	74,7	50.2	22	0.87	204,5	451.3	17	0.67	153,4	338.5	102,2	225.6	84,9	187.3	10,5
6	19.7	56,2	37.8	31	1.22	168,5	371.8	25	0.98	126,4	278.9	84,2	185.9	69,9	154.3	12,6
7	23.0	40,7	27.4	43	1.69	142,5	314.4	34	1.34	106,8	235.8	71,2	157.2	59,1	130.5	14,7
8	26.2	30,7	20.6	56	2.20	122,7	270.8	45	1.77	92,0	203.1	61,3	135.4	50,9	112.4	16,8
9	29.5	23,8	16.0	71	2.79	107,1	236.3	57	2.24	80,3	177.2	53,5	118.1	44,4	98.1	18,9
10	32.8	18,9	12.7	87	3.43	94,4	208.3	70	2.76	70,8	156.2	47,2	104.1	39,2	86.4	21,0
11	36.1	15,2	10.2	106	4.17	83,8	184.9	85	3.35	62,8	138.7	41,9	92.5	34,8	76.7	23,1
12	39.4	12,5	8.4	126	4.96	74,8	165.1	101	3.98	56,1	123.8	37,4	82.5	31,0	68.5	25,2

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

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- Spans must be supported at each end
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- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte



Mark approval certificate
No. 244/02
Test report No. 243/02
TÜV certification only
valid for loading table
above.

MULTI PURPOSE TRUSS



© Prolyte Soles BV, Omke Oudemarij

System characteristics

The Prolyte Multi-Purpose truss consists of the X&H30 series and the H40 series. The X&H30 truss is available in ladder, triangular and square types, and the H40 truss is available in ladder, triangular and square types.

The X&H30 series and the H40 series are designed as lightweight, light to medium-duty truss systems that are used in the installation, rental and exhibition market.

This truss is strong, compact and very versatile.

The truss has a low selfweight. Assembly is foolproof due to the continuous webbing of the diagonals.

The X and H versions are distinguished by their different wall thickness. All X trusses have main chords of 2 mm thick; all H trusses have main chords of 3 mm thick. Although the two series are almost identical in appearance, their technical specifications and load capacity differ. The thicker walls of the H trusses makes them less vulnerable to transport-related damage and extends their durability. In general, X trusses are more suited for permanent or semi-permanent installations, whereas H trusses are much used in the rental market or for moving grids.

System applications

The X&H30 series truss and the H40 series truss offer a versatility that makes them popular and much used in the exhibition as well as the rental market. The trusses are used in permanent or semi-permanent installations; for example, decorative and architectural set pieces, theatre sets, shop displays, studio grids, showrooms and so on.

Their strength in relation to their relatively small dimensions make them ideal for complex structures like displays or booths. The H trusses are primarily designed for high-frequency users like rental or exhibition companies, or for semi-permanent installations in demanding circumstances like moving lighting rigs in discotheques, stage scenery elements or touring exhibition stands.

Coupling system

The Prolyte Multi-Purpose truss consisting of the X&H30 series and the H40 series uses the CCS6 conical coupling system. CCS6 allows fast, efficient and reliable coupling of your trusses and corners.



PROLYTE X30L / X30D / X30V TRUSS

Photo : Metro, New Zealand
Project : Four Wheel Drive vehicle



The X30 truss is constructed of main tubes of 51 x 2 mm and diagonals of 16 x 2 mm, and uses the CCS6 coupling system. Prolyte supplies a variety of X30 truss elements that provide

maximum flexibility, like standard or custom-made lengths, circles and arches and several types of corners. Prolyte can deliver custom-made pieces on request.



X coupler
1 ring

H coupler
2 rings

The number of recessed rings in the coupler receiver distinguishes the X and H series.

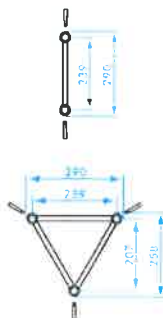


Prolyte X30L top view

Prolyte X30L side view

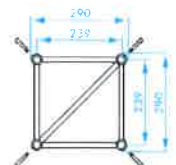
Prolyte X30D top view

Prolyte X30D side view



Prolyte X30V top view

Prolyte X30V side view



PROLYTE X30L / X30D / X30V TRUSS

PROLYTE X30D - ALLOWABLE LOADING																	
SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS											SPAN
						CENTRE POINT LOAD		DEFLECTION		SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS			
						CPL	DEFLECTION	TPL	QPL	FPL							
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight	
1	3.3	1719,9	1157,3	1	0.04	1719,9	3795,9	1	0.04	860,0	1898,0	572,7	1263,9	430,0	949,0	3,8	
2	6.6	858,1	577,4	4	0.15	913,9	2017,0	3	0.12	685,4	1512,8	457,0	1008,5	379,3	837,1	7,6	
3	9.8	404,1	271,9	8	0.31	606,1	1337,7	6	0.24	454,6	1003,3	303,1	668,8	251,5	555,1	11,4	
4	13.1	225,6	151,8	14	0.55	451,3	995,9	11	0.43	338,4	746,9	225,6	498,0	187,3	413,3	15,2	
5	16.4	143,0	96,2	22	0.86	357,6	789,2	18	0.71	268,2	591,9	178,8	394,6	148,4	327,5	19,0	
6	19.7	98,2	66,1	32	1.26	294,5	650,0	26	1.02	220,9	487,5	147,3	325,0	122,2	269,7	22,8	
7	23.0	71,1	47,9	43	1.69	248,9	549,3	35	1.38	186,7	412,0	124,5	274,7	103,3	228,0	26,6	
8	26.2	53,6	36,0	57	2.24	214,2	472,8	45	1.77	160,7	354,6	107,1	236,4	88,9	196,2	30,4	
9	29.5	41,5	27,9	72	2.83	186,8	412,3	57	2.24	140,1	309,3	93,4	206,2	77,5	171,1	34,2	
10	32.8	32,9	22,1	89	3.50	164,5	363,1	71	2.79	123,4	272,4	82,3	181,6	68,3	150,7	38,0	
11	36.1	26,5	17,9	107	4.21	146,0	322,1	86	3.39	109,5	241,6	73,0	161,1	60,6	133,7	41,8	
12	39.4	21,7	14,6	127	5.0	130,2	287,2	102	4.02	97,6	215,4	65,1	143,6	54,0	119,2	45,6	
13	42.6	17,9	12,1	150	5.90	116,5	257,1	120	4.72	87,4	192,8	58,2	128,5	48,3	106,7	49,4	
14	45.9	14,9	10,0	174	6.85	104,5	230,6	139	5.47	78,4	173,0	52,3	115,3	43,4	95,7	53,2	
15	49.2	12,5	8,4	199	7.83	93,9	207,2	159	6.26	70,4	155,4	46,9	103,6	39,0	86,0	57,0	
16	52.5	10,5	7,1	227	8.94	84,3	186,1	181	7.13	63,2	139,6	42,2	93,0	35,0	77,2	60,8	

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte



Mark approval certificate No. 2238/04
 Test report No. 2237/04
 TÜV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS X30 SERIES

Types	Ladder (L), Triangle (D), Square (V)
Alloy	EN AW 6082 T6
Main tubes (chords)	51 x 2 mm
Braces	16 x 2 mm
Coupling system	CCS6 series

Type		X30D	X30V	
Allowable Normal Force in Main Chord	N	22,17	22,17	kN
Allowable Normal Force in Diagonals	N	7,04	7,04	kN
Surface area Complete Truss	A	9,24	12,32	cm ²
Moment of Inertia Y-axis	I _y	771,2	1526,3	cm ⁴
Moment of Inertia Z-axis	I _z	763,1	1526,3	cm ⁴
Allowable bending moment Y-axis	M _y	4,59	10,60	kNm
Allowable bending moment Z-axis	M _z	5,30	10,60	kNm
Allowable shear force Z-axis	Q _z /V _z	8,62	9,95	kN
Allowable shear force Y-axis	Q _y /V _y	4,98	9,95	kN
Selfweight	kg	3,8	5,1	kg/m

30 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,25	0.38	X30*-L025
0,50	1.64	X30*-L050
0,58	1.90	X30*-L058
0,75	2.46	X30*-L075
1,00	3.28	X30*-L100
1,50	4.57	X30*-L150
2,00	6.56	X30*-L200
2,50	8.20	X30*-L250
3,00	9.84	X30*-L300
3,50	11.48	X30*-L350
4,00	13.12	X30*-L400
4,50	14.76	X30*-L450
5,00	16.40	X30*-L500

*on * indicate L for ladder, D for triangle or V for Square truss. Example: X30V-L200

PROLYTE X30V TRUSS

PROLYTE X30V - ALLOWABLE LOADING																
SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
						CENTRE POINT LOAD		DEFLECTION		SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	1985,3	1335.8	1	0.04	1985,3	4381.6	1	0.04	992,7	2190.8	660,9	1458.7	496,3	1095.4	5,1
2	6.6	990,1	666.2	4	0.16	1980,2	4370.3	3	0.12	990,1	2185.2	658,4	1453.0	495,1	1092.6	10,2
3	9.8	658,4	443.0	9	0.35	1405,1	3101.1	7	0.28	987,6	2179.5	655,8	1447.4	493,8	1089.8	15,3
4	13.1	492,5	331.4	17	0.67	1049,4	2316.0	13	0.51	787,0	1737.0	524,7	1158.0	435,5	961.1	20,4
5	16.4	334,0	224.7	26	1.02	834,9	1842.7	21	0.83	626,2	1382.0	417,5	921.3	346,5	764.7	25,5
6	19.7	230,4	155.0	37	1.46	691,1	1525.2	30	1.18	518,3	1143.9	345,5	762.6	286,8	633.0	30,6
7	23.0	167,9	113.0	51	2.01	587,6	1296.9	41	1.61	440,7	972.7	293,8	648.4	243,9	538.2	35,7
8	26.2	127,3	85.7	66	2.59	509,4	1124.2	53	2.08	382,0	843.2	254,7	562.1	211,4	466.6	40,8
9	29.5	99,6	67.0	84	3.31	448,0	988.7	67	2.63	336,0	741.5	224,0	494.3	185,9	410.3	45,9
10	32.8	79,7	53.6	103	4.06	398,3	879.1	83	3.27	298,8	659.3	199,2	439.6	165,3	364.8	51,0
11	36.1	65,0	43.7	125	4.92	357,3	788.5	100	3.94	267,9	591.3	178,6	394.2	148,3	327.2	56,1
12	39.4	53,8	36.2	149	5.87	322,6	712.0	119	4.69	241,9	534.0	161,3	356.0	133,9	295.5	61,2
13	42.6	45,1	30.3	175	6.89	292,9	646.4	140	5.51	219,7	484.8	146,4	323.2	121,5	268.2	66,3
14	45.9	38,1	25.7	202	7.95	267,0	589.4	162	6.38	200,3	442.0	133,5	294.7	110,8	244.6	71,4
15	49.2	32,6	21.9	233	9.17	244,3	539.2	186	7.32	183,2	404.4	122,2	269.6	101,4	223.8	76,5
16	52.5	28,0	18.8	264	10.39	224,1	494.6	212	8.35	168,1	370.9	112,0	247.3	93,0	205.3	81,6

1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

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- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte



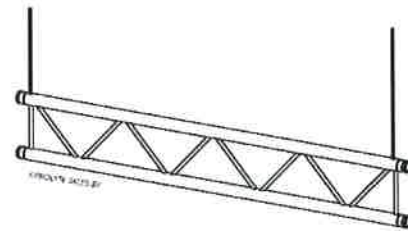
Mark approval certificate No. 2258/04
 Test report No. 2257/04
 TÜV certification only valid for loading table above.

PROLYTE X30L TRUSS

PROLYTE X30L - ALLOWABLE LOADING (SPAN SUPPORTED ON TOP CHORD)

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		CPL		DEFLECTION	
		UDL	UDL						
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
1	3.3	992,2	667.6	0	0	992,2	2189.8	0	0
2	6.6	339,0	228.1	1	0.04	339,0	748.2	1	0.04
3	9.8	114,0	76.7	2	0.08	171,0	377.4	2	0.08
4	13.1	44,0	29.6	3	0.12	88,0	194.2	2	0.08
5	16.4	20,0	13.5	3	0.12	50,0	110.4	2	0.08
6	19.7	9,0	6.1	3	0.12	26,0	57.4	2	0.08

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

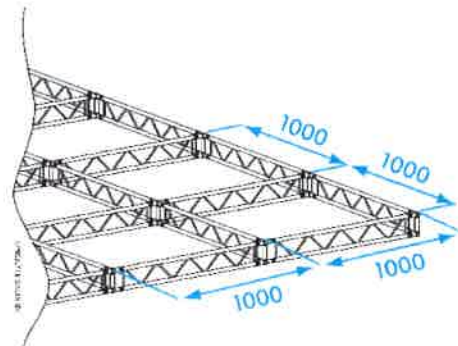


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE X30L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EACH METRE)

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		CPL		DEFLECTION	
		UDL	UDL						
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	245,8	165.4	17	0.67	523,8	1156.0	13	0.51
5	16.4	166,5	112.1	26	1.02	416,3	918.9	21	0.83
6	19.7	114,7	77.2	37	1.46	344,2	759.6	30	1.18
7	23.0	83,5	56.2	51	2.01	292,2	645.0	41	1.61
8	26.2	63,2	42.5	66	2.60	252,9	558.1	53	2.09
9	29.5	49,3	33.2	84	3.31	222,0	489.9	67	2.64
10	32.8	39,0	25.6	100	3.94	196,9	434.6	83	3.27
11	36.1	27,8	18.7	110	4.33	176,2	388.8	100	3.94
12	39.4	20,7	13.9	120	4.72	158,6	350.0	119	4.69

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

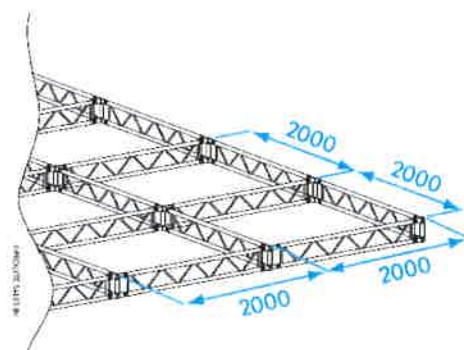


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE X30L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EVERY 2 METRES)

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		CPL		DEFLECTION	
		UDL	UDL						
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	82,5	55.5	5	0.20	165,0	364.2	4	0.16
5	16.4	51,7	34.8	8	0.32	129,3	285.4	7	0.28
6	19.7	35,0	23.6	12	0.47	105,0	231.7	10	0.39
7	23.0	24,9	16.8	16	0.63	87,2	192.5	13	0.51
8	26.2	18,4	12.4	21	0.83	73,5	162.2	17	0.67
9	29.5	13,9	9.3	27	1.06	62,5	137.9	22	0.87
10	32.8	10,7	7.2	33	1.30	53,4	117.9	27	1.06
11	36.1	8,3	5.6	40	1.57	45,7	100.8	32	1.26
12	39.4	6,5	4.4	48	1.89	39,0	86.1	38	1.50

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg



Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H30L / H30D / H30V TRUSS

Photo : Creativ-Design, Germany



The H30 truss is constructed of main tubes of 48,3 x 3 mm and diagonals of 16 x 2 mm, and uses the CCS6 coupling system.

Prolyte supplies a variety of H30 truss elements that provide maximum flexibility, like standard or custom-made lengths, circles and arches and several types of corners. Prolyte can deliver custom-made pieces on request.



X coupler
1 ring

H coupler
2 rings

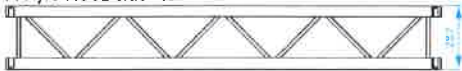


The number of recessed rings in the coupler receiver distinguishes the X and H series.

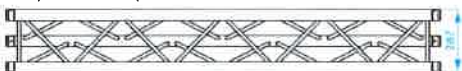
Prolyte H30L top view



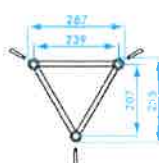
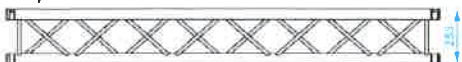
Prolyte H30L side view



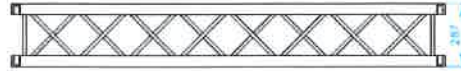
Prolyte H30D top view



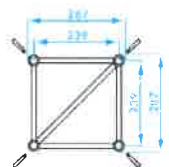
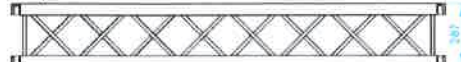
Prolyte H30D side view



Prolyte H30V top view



Prolyte H30V side view



PROLYTE H30L / H30D / H30V TRUSS

PROLYTE H30D - ALLOWABLE LOADING

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		CENTRE POINT LOAD		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS						SPAN
		UDL				CPL				SINGLE LOAD THIRD POINTS		SINGLE LOAD FOURTH POINTS		SINGLE LOAD FIFTH POINTS		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	1718,7	1156.5	1	0.04	1718,7	3793.3	1	0.04	859,4	1896.6	572,1	1262.6	429,7	948.3	5,0
2	6.6	856,9	576.6	4	0.16	1259,2	2779.1	3	0.12	856,9	1891.1	569,6	1257.1	428,4	945.6	10,0
3	9.8	556,9	374.7	8	0.31	835,3	1843.5	6	0.24	626,5	1382.6	417,7	921.8	346,7	765.1	15,0
4	13.1	311,1	209.3	14	0.55	622,1	1373.0	11	0.43	466,6	1029.7	311,1	686.5	258,2	569.8	20,0
5	16.4	197,3	132.7	22	0.87	493,2	1088.5	18	0.71	369,9	816.3	246,6	544.2	204,7	451.7	25,0
6	19.7	135,5	91.2	32	1.26	406,4	896.9	26	1.02	304,8	672.7	203,2	448.5	168,7	372.2	30,0
7	23.0	98,2	66.1	44	1.73	343,7	758.5	35	1.38	257,8	568.9	171,9	379.3	142,6	314.8	35,0
8	26.2	74,0	49.8	57	2.24	296,1	653.4	46	1.81	222,0	490.0	148,0	326.7	122,9	271.2	40,0
9	29.5	57,4	38.6	72	2.83	258,4	570.4	58	2.28	193,8	427.8	129,2	285.2	107,3	236.7	45,0
10	32.8	45,6	30.7	89	3.50	227,8	502.8	71	2.79	170,9	377.1	113,9	251.4	94,6	208.7	50,0
11	36.1	36,8	24.8	108	4.25	202,4	446.6	86	3.39	151,8	334.9	101,2	223.3	84,0	185.3	55,0
12	39.4	30,1	20.3	128	5.04	180,7	398.8	103	4.06	135,5	299.1	90,4	199.4	75,0	165.5	60,0
13	42.6	24,9	16.8	150	5.91	162,0	357.5	120	4.72	121,5	268.1	81,0	178.8	67,2	148.4	65,0
14	45.9	20,8	14.0	174	6.85	145,6	321.3	140	5.51	109,2	241.0	72,8	160.7	60,4	133.4	70,0
15	49.2	17,5	11.8	200	7.87	131,1	289.3	160	6.30	98,3	216.9	65,5	144.6	54,4	120.0	75,0
16	52.5	14,8	9.9	228	8.98	118,0	260.5	182	7.17	88,5	195.4	59,0	130.2	49,0	108.1	80,0

1 inch = 25.4 mm | 1m = 3.28 ft | 1 lbs = 0.453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte



Mark approval certificate No. 2233/04
Test report No. 2232/04
TUV certification only valid for loading table above.

TECHNICAL SPECIFICATIONS H30 SERIES

Types	Ladder (L), Triangle (D), Square (V)
Alloy	EN AW 6082 T6
Main tubes (chords)	48,3 x 3 mm
Braces	16 x 2 mm
Coupling system	CCS6 series

Type		H30D	H30V	
Allowable Normal Force in Main Chord	N	30,54	30,54	kN
Allowable Normal Force in Diagonals	N	7,04	7,04	kN
Surface area Complete Truss	A	12,72	16,96	cm ²
Moment of Inertia Y-axis	I _y	1057,3	2095,9	cm ⁴
Moment of Inertia Z-axis	I _z	1047,9	2095,9	cm ⁴
Allowable bending moment Y-axis	M _y	6,32	14,60	kNm
Allowable bending moment Z-axis	M _z	7,30	14,60	kNm
Allowable shear force Z-axis	Q _z /V _z	8,62	9,95	kN
Allowable shear force Y-axis	Q _y /V _y	4,98	9,95	kN
Selfweight	kg	5	6,3	kg/m

30 SERIES - STANDARD AVAILABLE LENGTHS AND CODES

Meters	Feet	Code*
0,25 / 1,00 m in steps of 5 mm	0.82' / 3.28' in steps of 0.2"	
0,25	0.83	H30*-L025
0,29	0.95	H30*-L029
0,50	1.90	H30*-L050
0,71	2.32	H30*-L071
1,00	3.28	H30*-L100
1,50	4.57	H30*-L150
2,00	6.56	H30*-L200
2,50	8.20	H30*-L250
3,00	9.84	H30*-L300
3,50	11.48	H30*-L350
4,00	13.12	H30*-L400
4,50	14.76	H30*-L450
5,00	16.40	H30*-L500

*an * indicate L for ladder, D for triangle or V for Square truss. Example: H30V-L200

PROLYTE H30V TRUSS

PROLYTE H30V - ALLOWABLE LOADING																
SPAN		UNIFORMLY DISTRIBUTED LOAD L/DL		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN
						CENTRE POINT LOAD CPL		DEFLECTION		SINGLE LOAD THIRD POINTS LOAD PER POINT TPL		SINGLE LOAD FOURTH POINTS LOAD PER POINT QPL		SINGLE LOAD FIFTH POINTS LOAD PER POINT FPL		
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
1	3.3	1984,1	1335.0	1	0.04	1984,1	4378.9	1	0.04	992,1	2189.5	660,3	1457.3	496,0	1094.7	6,3
2	6.6	988,9	665.4	4	0.16	1977,8	4365.0	3	0.12	988,9	2182.5	657,2	1450.4	494,5	1091.3	12,6
3	9.8	657,2	442.2	9	0.35	1936,7	4274.4	7	0.28	985,8	2175.6	654,0	1443.4	492,9	1087.8	18,9
4	13.1	491,3	330.6	17	0.67	1447,0	3193.6	13	0.51	982,6	2168.6	650,9	1436.5	491,3	1084.3	25,2
5	16.4	391,8	263.6	26	1.02	1152,0	2542.4	21	0.83	864,0	1906.8	576,0	1271.2	478,1	1055.1	31,5
6	19.7	318,1	214.0	37	1.46	954,2	2105.9	30	1.18	715,6	1579.4	477,1	1052.9	396,0	873.9	37,8
7	23.0	232,0	156.1	51	2.01	812,0	1792.1	41	1.61	609,0	1344.1	406,0	896.1	337,0	743.7	44,1
8	26.2	176,2	118.5	66	2.60	704,6	1555.1	53	2.09	528,5	1166.3	352,3	775.5	292,4	645.4	50,4
9	29.5	137,9	92.8	84	3.31	620,4	1369.2	67	2.64	465,3	1026.9	310,2	684.6	257,5	568.2	56,7
10	32.8	110,5	74.3	104	4.09	552,4	1219.0	83	3.27	414,3	914.3	276,2	609.5	229,2	505.9	63,0
11	36.1	90,2	60.7	125	4.92	496,1	1095.0	100	3.94	372,1	821.2	248,1	547.5	205,9	454.4	69,3
12	39.4	74,8	50.3	149	5.87	448,7	990.4	119	4.69	336,6	742.8	224,4	495.2	186,2	411.0	75,6
13	42.6	62,8	42.3	175	6.89	408,2	900.8	140	5.51	306,1	675.6	204,1	450.4	169,4	373.8	81,9
14	45.9	53,3	35.8	203	7.99	372,9	823.1	163	6.42	297,7	617.3	186,5	411.5	154,8	341.6	88,2
15	49.2	45,6	30.7	233	9.17	342,0	754.8	187	7.36	256,5	566.1	171,0	377.4	141,9	313.2	94,5
16	52.5	39,3	26.5	265	10.43	314,5	694.1	212	8.35	235,9	520.6	157,3	347.1	130,5	288.1	100,8

1 inch = 25,4 mm | 1m = 3,28 ft | 1 lbs = 0,453 kg

- Loading figures only valid for static loads and spans with two supporting points
- Spans must be supported at each end
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer or Prolyte
- Loading figures are based on German DIN standards; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85
- The self-weight of the trusses has already been taken into account
- For spans longer than indicated and with a different loading set-up use the KYLo programme
- For structures contact Prolyte



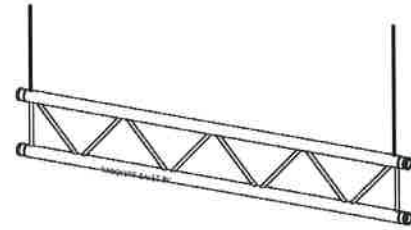
Mark approval certificate No. 2256/04
 Test report No. 2255/04
 TUV certification only valid for loading table above.

PROLYTE H30L TRUSS

PROLYTE H30L - ALLOWABLE LOADING (SPAN SUPPORTED ON TOP CHORD)

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
1	3.3	992,2	667.6	0	0	992,2	2189.8	0	0
2	6.6	359,0	241.6	1	0.04	389,0	858.5	1	0.04
3	9.8	135,0	90.8	2	0.08	203,0	448.0	2	0.08
4	13.1	52,0	35.0	2	0.08	104,0	229.5	2	0.08
5	16.4	25,0	16.8	3	0.12	62,0	136.8	2	0.08
6	19.7	11,0	7.4	3	0.12	33,0	72.8	2	0.08

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

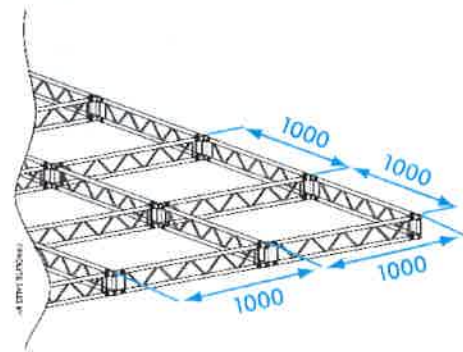


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H30L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EACH METRE)

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	245,8	165.4	17	0.67	724,0	1597.9	13	0.51
5	16.4	196,0	131.9	26	1.02	576,5	1272.3	21	0.83
6	19.6	159,2	107.1	37	1.46	477,7	1054.2	30	1.18
7	23.0	116,2	78.2	51	2.01	406,6	897.5	41	1.61
8	26.2	88,3	59.4	66	2.60	353,0	779.1	53	2.09
9	29.5	69,1	46.5	84	3.31	310,9	686.3	67	2.64
10	32.8	53,3	35.8	100	3.94	277,0	611.3	83	3.27
11	36.1	39,3	26.4	110	4.33	249,0	549.4	100	3.94
12	39.4	29,6	19.9	120	7.72	225,3	497.3	119	4.69

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

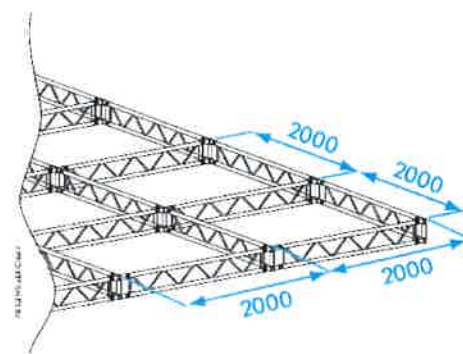


Spans must be supported at each end.
Loads must be suspended from bottom chord only.

PROLYTE H30L - ALLOWABLE LOADING (TOP CHORD SIDEWAYS SUPPORTED EVERY 2 METRES)

SPAN		UNIFORMLY DISTRIBUTED LOAD		DEFLECTION		CPL		DEFLECTION	
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch
4	13.1	95,0	63.9	4	0.16	190,0	419.3	4	0.16
5	16.4	59,7	40.2	7	0.28	149,3	329.5	6	0.24
6	19.7	40,6	27.3	10	0.39	121,7	268.5	8	0.31
7	23.0	29,0	19.5	14	0.55	101,5	224.0	11	0.43
8	26.2	21,5	14.5	18	0.71	86,0	189.8	14	0.55
9	29.5	16,4	11.0	23	0.91	73,6	162.5	18	0.71
10	32.8	12,7	8.5	28	1.10	63,4	139.9	22	0.87
11	36.1	10,0	6.7	34	1.34	54,8	120.9	27	1.06
12	39.4	7,9	5.3	40	1.57	47,3	104.5	32	1.26

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg



Spans must be supported at each end.
Loads must be suspended from bottom chord only.