The company



Dear Customer,

The BAKS company was established in 1986. We are now a leading Polish manufacturer of carrying systems for power, telecommunications, pneumatic, water, and other sectors. The latest technology, experienced personnel, coupled with investments in modern machines and equipment such as punching dies, folding machines, profile lines, welding robots, laser cutters, and in-house powder coating system allowed us to reach top standards.

Our products quality is confirmed by numerous certificates:

- VDE certificate, issued by TÜV Rheinland Köln, confirms the safety of our products and strength of our cable tray systems presented in this catalogue (submitted products safe working load values contain the safety factor 70%, indicating that our systems have gained extra 70% on their true strength). TÜV is regarded as the most valuable certificate, as it conforms to the PN-EN 61537:2001 standard, harmonized with the EU Directive on low voltage up to 1 kV. Based on the above Directive a CE Declaration of Conformity is issued for products purchased from our company.
- So called "E 30, E 90", fire resistance certificates, (conforming to the DIN4102-12 standard), for assuring power supply continuity in the temperature of 1,000 °C, for 30 and 90 minutes respectively. We have already carried out approved testing with the following cable producers:
- Bitner, Dätwyler, Elkond, Eupen, Faber, Nexans, Prakab, Studer, Telefonika, and Technokabel.
- Certificate of Conformity ITB Warsaw No. ITB-1699/W
- Certificate of Conformity CNBOP Józefów No. 2621/2008
- Technical Approval CNBOP Józefów No. AT-0602-0151/2008
- Certificates DMT Dortmund
- Classifications FIRES Batizovce
- TÜV ISO 9001:2000 certificate, confirming that all products designed and manufactured by BAKS comply with the ISO 9001:2000 quality system.
- ITB Technical Recommendation voluntary recommendation covering all manufactured products except for the fire resistance system.

In this catalogue more than 20,000 products are offered. All the production lines have been modernized and adjusted to provide our customers with even the most advanced solutions based on supplied documentation. As a respected and reliable business partner we were invited to co-operate in construction of such significant projects in Poland as Orlen Płock, Rafineria Gorlice, Galeria Mokotów - Warszawa, VW Poznań, Philips Morris- Kraków, Metro Warszawa, and many others. BAKS' strategy is to meet our customers' even most damanding needs by providing top quality products at the lowest price. This, together with our professional logistic services found reliable among our Customers and proved effective through co-operation with more than 500 wholesalers and distributors, made our company renowned and trusted.

For many years our products have been exported to numerous European countries, such as Belarus, Bulgaria, Croatia, The Czech Republic, Estonia, France, Spain, Kazakhstan, Lithuania, Latvia, Germany, Russia, Romania, Serbia, Slovakia, Ukraine, and Hungary. We are proud of our ever increasing export rates, a clear mark of quality and excellent services provided by BAKS.

We are looking forward to doing business with you!

Kazimierz Sielski
President



Technical Information



The following Information will instruct you in properties of coating against corrosion applied to our products.

The primary factor of selecting materials for installation is the environment of the cable route to be assembled.

Protection against Corrosion through Zinc-Coating

In conditions defined as normal the best performance has been achieved in structural of structural steelwork with zinc coating.

The warranty period is established upon the thickness of zinc coating, as well as upon yearly reduction value of protection layer in relation to various environmental influence on zinc (acc. to the corrosion category).

Corrosion Category	Reduction of Protective Layer (<u>µm)</u>	Examples of Environment in Temperate Climate (for Information only)
C1 insignificant	< 0.1	Indoor: heated buildings with clean atmosphere, e.g.: offices, shops, etc. Outdoor: –
C2 low	> 0.1 to 0.7	Indoor: non-heated buildings with condensation, e.g.: sport halls, warehouses, etc. Outdoor: atmosphere with low level of pollution
C3 medium	> 0.7 to 2.1	Indoor: production facilities with increased humidity and moderate pollution e.g.: breweries, laundries, creameries and dairies, etc. Outdoor: urban and industrial atmosphere
C4 high	> 2.1 to 4.2	Indoor: chemical plants, swimming pools, shipyards Outdoor: industrial zones and inshore areas with moderate salinity
C5 very high (industrial)	> 4.2 to 8.4	Indoor: buildings or areas with permanent condensation and extreme pollution Outdoor: industrial zones with damp conditions and aggressive atmosphere
C5-M very high (marine)	> 4.2 to 8.4	Indoor: buildings or areas with permanent condensation and extreme pollution Outdoor: inshore and offshore areas with intense salty atmosphere

The required thickness of zinc coating can be measured by multiplying the value of annual reduction by the expected time of operation. There are three basic methods of zinc coating offered that provide fundamentally different thickness levels of the protective layer. ndamentally different thickness levels of the protective layer:

Small elements (bolts, nuts, washers) are covered with thin and uniform zinc coating in electrolytic bath; the 5µm coating looks bright and shiny.

Strip Galvanizing According to the Sendzimir Method (SG)

Up to 3mm thick hot steel sheets are zinc-coated in mill. Thus produced, average ca.19µm zinc layer is uniformly and firmly adherent. Such coating remains corrosion resistant even when damaged through cutting, perforating, or drilling. All types of strip galvanized trays, ladders, and most of support elements are intended for application in predominantly dry premises of C1 and C2 class.

Mild Steel Hot-Dip Galvanizing (HDG)

Mild Steel Hot-Dip Galvanizing (HDG)
Dipping in molten zinc in conformity with PN-EN ISO 1461:2011.
Completely processed details – small components (after the stages of cutting, bending, welding etc.) are immersed in molten zinc at the temperature around 450-460°C. This advanced technology based upon the phenomenon of diffusion excellently protects steel against corrosion. It consists in zinc atoms penetrating the outer surface of steel, thus forming a new, superficial iron-zinc alloy. The articles pulled out from galvanizing bath become coated with fine pure zinc layer.

Depending upon the conditions of the whole galvanization process (period of dipping, process of cooling, rugitly of surface in applied base material and its chemical constitution, etc.) the colour of Depending upon the conditions of the whole galvanization process (period of dipping, process of cooling, quality of surface in applied base material and its chemical constitution, etc.) the colour of zinc coating surface may vary from bright and shiny to matt dark grey – it will not influence the quality of protective layer whatsoever. In damp conditions white spots on the surface may appear. It is zinc hydroxide named 'white corrosion' – this will not in any respect deteriorate the quality of protective layer, however, it will negatively impact the product's physical appearance. All types of cable trays, ladders, and load-bearing elements coated with zinc though hot-dip galvanizing are recommended for prolonged outdoor exposure where condensation of fumes of aggressive chemical substances are active. Hot-dip galvanized products are used primarily in corrosive environments classed as C4* where high relative humidity takes place (basements, garages, boiler rooms, etc.) and in very aggressive environments classed as C5-I and C5-M.*, where condensation of fumes of aggressive chemical substances, such as saltwater, flue gases from fossil-fuel combustion, etc. are present (e.g. large shipyards, refineries, petrochemical, chemical and gasprocessing plants, and mines).

Acc. to PN-EN ISO 12944-2/2001

Parts and Thickness	Local Thickness of Zinc Protective Coating (minimum value) (µm)	Mean Thickness of Zinc Protective Coating (minimum value) (μm)
Steel >6mm	70	85
Steel >3mm to<6mm	55	70
Steel >1.5mm to<3mm	45	55
Steel <1.5mm	35	45

Acc. to PN-EN ISO 1461

During the assembly in uncovered areas exposed to sheet cutting the anti-corrosion layer is likely to be damaged. It is recommended to protect these areas through applying zinc paint in spray onto their edges.

Powder Coating (PC)

Elements intended for painting are covered with powder paint through electrostatic or electrokinetic spraying, then warmed in a test furnace for about 20 minutes in the temperature of 160-200°C. The paint is then applied directly to metal without the use of primers or solvents. Coatings obtained thereby will always produce a smooth surface, free of cracks, damp patches, or wrinkles. The finished products perform high corrosion and water resistance along with excellent mechanical properties. Powder-coated elements are applied in places where increased corrosion resistance is required (galvanized sheets) or attractive overall interior appearance expected to harmonize with the fittings' range of colours.

Perfect material regarding a very high extent of resistance against corrosion is stainless steel, e.g. 0H18N9. Installations made from stainless steel are superior to alternative structures made from plastic. Such elements find application particularly in highly aggressive chemical environments (refineries, wastewater treatment plants, plastics production works) and in food industry (meat factories, creameries and dairies, etc). False economy may sooner or later lead to production downtimes in face of the need to replace the supporting structure or cable runways.





PROTECT GALVANIZED AND PREPACKED PRODUCTS AGAINST DAMP ENVIRONMENTS!!!

RECOMMENDATIONS ON APPROPRIATE STORAGE OF PRODUCTS TO AVOID STORAGE STAIN (WHITE CORROSION):

- 1. The products pre-packed for transport (i.e. delivered all wrapped in original package from BAKS) should be kept unchanged in the storage that is dry and of air permeable conditions.
- 2. When storing avoid violent changes in humidity and temperature leading to the decrease in the level of steam condensation. White corrosion may appear when the a/m conditions are not met.
- 3. In case temporary products storage in the open area proves necessary, provide dry and air permeable environment. Use an air permeable screen.
- 4. Dry the products immediately after found wet (place each piece separately in the dry and airy room, avoid direct contact with the others, and wait until they are all air dried) before storing.
- 5. Any damage to the product's sheet surface caused by its moisture will cause the rejection of any possible claims.

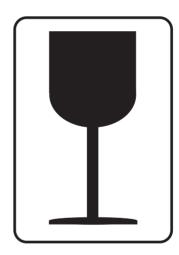
Claims will not be considered in the event the goods are stored inappropriately and against the recommended storage conditions!

Disclaimer:

BAKS has a policy of continuous product development and reserves the right to alter or amend specifications, as necessary, without prior notice presented in this publication. This catalogue is designed to provide only preliminary technical Information which refers to standard products manufactured by BAKS.



Storage: Warehouse the products in a roofed and aired location. Keep away from water!



Electrical Continuity

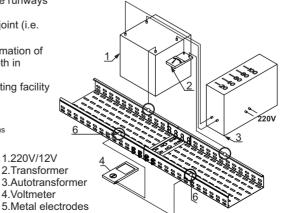
The International Standard of PN EN 61537: 2007* specifies methodology of safe working load tests for cable trays, ladders, cantilever brackets, pendants, and other fittings. Apart from mechanical requirements, this norm describes methodology of testing electrical continuity, as well as describes the electrical requirements that cable runways and couplers must meet.

The calculated impedances shall not exceed $50m\Omega$ (Z \leq 50 m Ω) across the joint (i.e. coupler or integral coupling), and 5 m Ω (Z \leq 5 m Ω /m) without the joint** Certificate no. TM 61000061.001 issued by TUV Rheinland Polska is a confirmation of meeting the PN EN 61537: 2007 standard requirements for product safety both in respect of mechanical, and electrical performance.

BAKS has accomplished non-standard tests for electrical continuity in the testing facility of the Polish Building Research Institute (ITB), Warsaw, Poland.

* Polish version of IEC 61537:2006: Cable management – Cable tray systems and cable ladder systems ** Op. cit. IEC 61537-11-1: Clause 2: 2006: Electrical properties – Electrical continuity, p. 31

Measurement System for the Testof System Circuit Integrity









3



Certificate

Standard ISO 9001:2008

Certificate Registr. No. 75 100 6850

TÜV Rheinland InterCert Kft. certifies:

Certificate Holder: **BAKS Kazimierz Sielski**

> ul. Jagodne 5 PL - 05-480 Karczew



Scope: design and manufacture of metal supporting systems for cables

, wires and ventilation ducts as well as of metal cabinets

and shelves, powder painting

An audit was performed. Proof has been furnished that the requirements according to ISO 9001:2008 are fulfilled.

Validity: The certificate is valid from 2011-04-19 until 2014-04-18.

First certification: 2001

Warsaw, 2011.04.06.

Graegora Grabka Accredited Certification Body TÜV Rheinland InterCert Kft. H-1132 Budapest, Váci út 48/a-b

Branch Office in Poland TÜV Rheinland Polska Sp. z o.o., PL-02-146 Warszawa, ul. 17 Stycznia 56











VDE certificate - Product Safety



VDE certificate refers to all cable management systems presented in this catalogue and is a reliable confirmation of cable runway safe working load values

(70% safety ratio in strength values indicates additional 70% true strength reserve) as well as the achievement of a measure of circuit integrity of cable management

systems from BAKS. The International Standard PN-EN 61537:2007 is harmonised with the low voltage directive 73/23/EWG-Guideline CE to 1kV.

CERTIFICATE

nr: TM 61000061.001



Hologran



Licence holder

BAKS KAZIMIERZ SIELSKI UI. Jagodne 5 05-480 Karczew, PL Manufacturing Plant

BAKS KAZIMIERZ SIELSKI UI. Jagodne 5 05-480 Karczew, PL

Project number 26100073

Our reference 210/PS11/00698 Expiration date

2016.05.03

Testet acc. to PN-EN 61537:2007

Certified Product (Product Identification)

Metal cable management systems Cable trays H30 – H200

Mesh trays H30 – H200 Mesh trays H30 – H110 Cable ladders H45 – H200 Sub-floor channels H28 – H48 Wall channels H68 – H100

Fittings, supporting constructions, and other accessories in the BAKS catalogue.

TÜV Rheinland Polska Sp. z o.o.

ul. 17 Stycznia 56, 02-146 Warszawa, Polska Tel.: (+48/22) 846 79 99 Tel.: (+48/22) 868 37 42 e-mail: post@pl.tuv.com And Polska do Proposition of Polska do Proposi



Warsaw, 09.05.2011

his certificate is subjected to the Certification Regulations as well as the General Conditions of Including Transactions in JCW TRP and refers only to the products consistent with the sample being the basis of the carried out confirmation test. This certificate alone does not entitle the holder to attach the CF marking.



Production monitored Product tested TÜVRheinland®
Precisely Right.

www.tuv.pl

strona 1 / 1







According to the tests carried out in the testing laboratory of the Building Research Institute in Polandit was proved that all assembled cable trays and ladders conform to the PN-IEC 61537:2003 (U) standard in respect of the electric properties – maintenance of the circuit continuity.

Mechanical continuity.

Mechanical connections cable trays and ladders provides electric equipotential continuity according to standard requirements.



CE CERTIFICATE: is the CE declaration of conformity confirming that wire mesh cable tray systems comply with applicable EC directives and bear the CE marking. This product is allowed on every market in the European Economic Area (EEA)



Certificate GOST
Certificate of Conformity to apply and distribute
BAKS' products in The Russian Federation



Certificate ZHODY CSKS08 Certificate of Conformity to apply and distribute BAKS' products in Slovakia



Certificates of Compliance ITB and CNBOP E-30, E-90



CNBOP Technical Approval for Support Systems of Cable Runways from BAKS, Integrated Function Maintenance Rated E30, E90 Systems confirming the results of fire tests in conformity with DIN 4102-12



This certificate confirms that Support Systems of Cable Runways from BAKS, Integrated Function Maintenance Rated Rated E30, E90 are fully compliant to the DIN 4102-12 standard, based upon fire tests conducted in accredited testing centres.



Technical Approval for BAKS' cable systems is consistent with positive fire test results of BAKS support systems in combination with cables of chosen producers and it is in accordance with the recent Ordinance of the Minister of Infrastructure of 12 March 2009 (Journal of Laws [Dz. U.] No. 56, item 461) in force since 8 July 2009 and fully meet requirements of the DIN 4102-12:1998-11 standard.



NEW! First in Poland CNBOP Certificate of Conformity for cable systems with E30, E60, E90 integrated function maintenance classes, issued by CNBOP Warsaw, Poland. This E30, E60, E90 Certificate of Conformity is consistent with approx. 40 positive test reports with the following cable manufacturers: Bitner, Dätwyler, Elkond, Eupen, Faber, Nexans, Prakab, Studer, Technokabel, Telefonika.





UP until now BAKS has carried out tests with the following cable producers:

Bitner, Dätwyler, Elkond, Eupen, Faber, Nexans, Studer, Technokabel i Telefonika





UP until now BAKS has carried out tests with the following cable producers:

Bitner, Dätwyler, Elkond, Eupen, Faber, Nexans, Studer, Technokabel i Telefonika



FIRE RESISTANCE CLASSIFICATION REPORT ACCORDING TO DIN 4102 - 12:1998-11

TECHNOKABEL S.A.,

Nasielska 55, 04-343 Warszawa,

Executor: FIRES s.r.o.

Approved body of MVRR SR SK01 Osloboditelov 282 059 35 Batizovce Slovak Republic

Cables with integrity function FE180/E90 Type – (N)HXH, (N)HXCH, HTKSH, HTKSHekw Name of product:

Classification report No.: FIRES-CR-178-06-AUPE PR-06-0184 08. 12. 2006 Date of issue:

Copy No.: 3 Number of copies:

Distribution list:

- 1. TECHNOKABEL S.A., Nasielska 55, 04-343 Warszawa, Poland
- 2. FIRES s.r.o., Osloboditelov 282, 059 35 Batizovce, Slovakia (electronic version)
- 3. TECHNOKABEL S.A., Nasielska 55, 04-343 Warszawa, Poland (electronic version)

Cables from Technokabel tested together with support systems of cable runways from BAKS



FIRE RESISTANCE CLASSIFICATION REPORT ACCORDING TO DIN 4102 - 12:1998-11

TECHNOKABEL S.A., Sponsor:

Nasielska 55, 04-343 Warszawa,

FIRES s.r.o. Approved body of MVRR SR SK01 OsloboditeTov 282

059 35 Batizovce Slovak Republic

Cables with integrity function FE180/E30-E90 Type – HTKSH, HTKSHekw Name of product:

FIRES-CR-047-07-NUPE PR-07-0052 12. 04. 2007 Classification report No.: Task No.: Date of issue:

Copy No.: 1 Number of copies:

Distribution list:

- 1. TECHNOKABEL S.A., Nasielska 55, 04-343 Warszawa, Poland
- 2. FIRES s.r.o., Osloboditeľov 282, 059 35 Batizovce, Slovakia (electronic version)
- 3. TECHNOKABEL S.A., Nasielska 55, 04-343 Warszawa, Poland (electronic version).







Hygenie Certyfleate and Certyfleates of Compilance for Electrical Tests



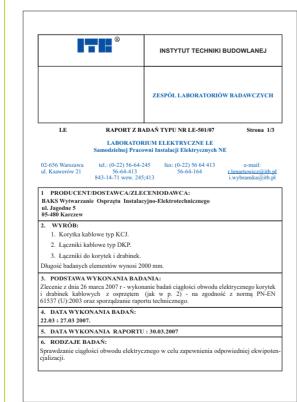
Hygenic Certificate that approves the use of cable trays and ladders together with support systems for applications inside and outside residential and public utility buildings, and occupancies for industrial purposes including food processing.

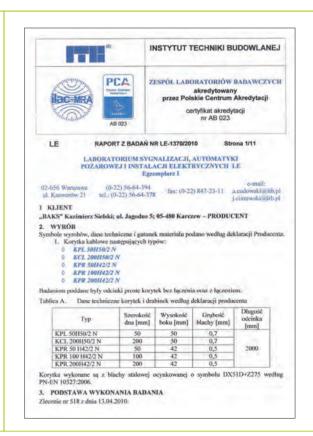


Testing laboratory of the Building Research Institute in Poland (ITB) decided upon testing of fully assembled cable trays and ladders from BAKS manufactured from stainless steel, that the above products fully comply with the PN-IEC 61537:2003 (U) standard in respect of electrical properties of maintaining system circuit integrity. Mechanical connections of cable tray and ladder lengths allows for equipotential bonding for electrical continuity in accordance with the requirements of this standard.



Testing laboratory of the Building Research Institute in Poland (ITB) decided upon testing of fully assembled cable trays and ladders from BAKS that the above products fully comply with the PN-IEC 61537:2003 (U) standard in respect of electrical properties of maintaining system circuit integrity. Mechanical connections of cable tray and ladder lengths allows for equipotential bonding for electrical continuity in accordance with the requirements of this standard.







Info

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CAD Software for Designing and Simulation of Cable Management Systems

Application for AutoCAD®
AutoCAD® 2000, AutoCAD®2002, AutoCAD®2004, AutoCAD®2005,
AutoCAD®2006, AutoCAD®2007, AutoCAD®2008, AutoCAD®2009, AutoCAD®2010
(software incompatible with Layersions).

Complete Products Catalogue from BAKS

Designing based on a full product range available from BAKS

- cable trays systems
- long span travs systems
- outdoor cable trays extra heavy duty systems
 - cable ladders sytems
 - undrfloor trunking sytems
 - mounting and support components

Advanced and Intuitive Drawing Methods

- fast drawing with the use of predefined blocks
- drawing support through suggested solutions
 - three levels of drawing precision
 - option of unlimited defining of layers
- joining a variety of related installations within a cable route
- complicated terminology concerning rail/profiles within a cable route
 - cable route visualization

Simulation Module for Cable Concentration in Tray and Ladder Cable Rou<mark>te.</mark>

- -ready cable data base
- possible defining of cables' end-user cables
- distribution of cable wiring within cable runways
- indication of cable concentration within cable runways in all sections

Simulation module for cable loadings

- load determination with specific cable concentration
 calculating deflection of sections under a given load
 - support point indication under a given load
 - selection of elements for a given load

Phone Module of file generation

- projects in execution
 - products listings
- offers and inquiries
- data export to external applications

in CAD software

Technical support for software implementation
– advanced assistance files
– instructional materials for comprehensive practical training



How to Specify:

To place an order for stiffened channels:
3.0mm thick, 40mm wide
40mm high, 3m long
number of pcs: 50
please always specify:
CWT40H60/3, cat. no. 641330, no of pcs: 50

Marking of Non-Standard Products

An additional type of marking has been introduced for non-standard products. When ordering the last letter of the symbol should be accompanied by additional and appropriate letter indicating the type of material.

Type of material - marking:

F - steel, hot-dip galvanized to PN-EN ISO 1461:2000.

E - stainless steel (standard steel type: 0H18N9).

A - aluminum

L - powder coating in full variety of colours.

Products manufactured on special request - placement of order

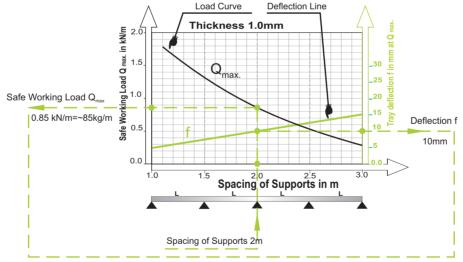
KCJ100H60/3N-L KCJ100H60/3N tray powder coated KCJ100H60/3N-F KCJ100H60/3N tray, hot-dip galvanized steel

Application of Load - Curve Diagram

Among problems which may occur with accurate selecting the cable tray or cable ladder are: Safe working load for any particular tray or ladder at given spacing of support.

Example

Cable tray type: KPJ200H60/3 is supported in spans of 2m. How to define the safe working load for the tray?



Reading the diagram:

- On the spacing of supports axis read the value of 2m.
- Draw a line perpendicular to the spacing of supports axis until it crosses the Qmax. on the load curve
- From the intersection point draw a line parallel to the support bracket axis and to the left, up to the safe working load, then read the value 0.85 kN/m (~85kg/m)

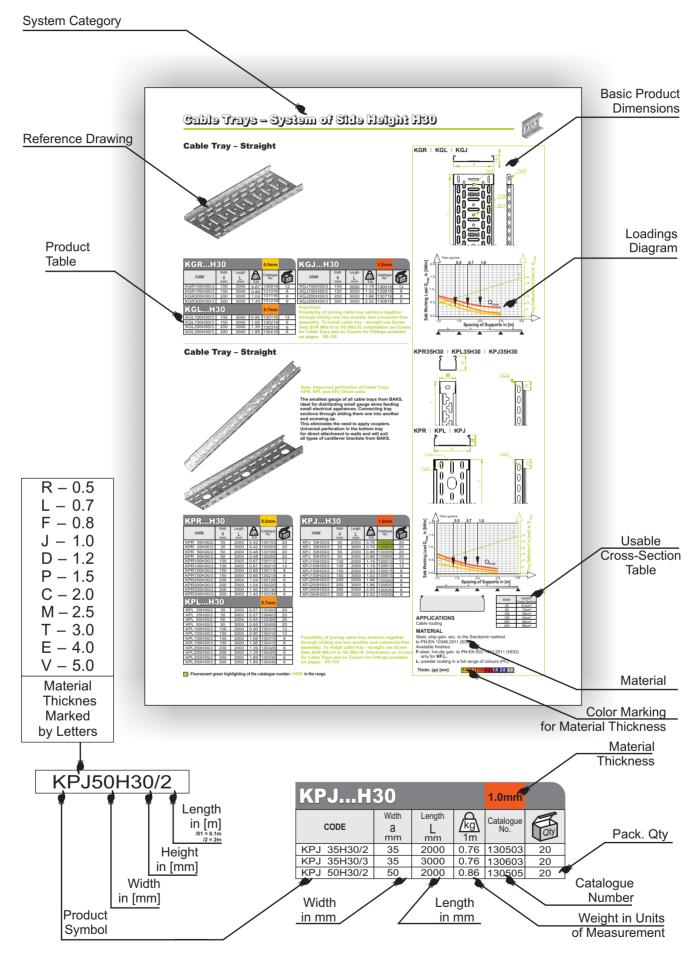
The read out value indicates that the volume of about 85kg/m of cables can be safely laid within a 1m section. Because the spacing of supports is 2m, on the section of 2m spacing of supports, the volume of 170kg/m of cables can be safely laid. Coefficient of safety for safe working load is 70%.

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Layout Guidə







Cable Trays – System of Side Heights H30, H42, H50, H60, H80, H100, H110	Section I
Wire Mesh Cable Trays – System of Side Heights H30, H60, H110	Section II
Long Span Cable Ladders – Side Heights H100,H110, H120, H150, H200 Important! BAKS is introducing the multi-purpose side rail for long span cable trays and ladders	Section III
Outdoor Cable Trays – Extra Heavy Duty System of Side Heights H50, H100, H200	Section IV
Cable Ladders – Side Heights H45, H50, H60, H80, H100, H120	Section V
Long Span Cable Ladders – Side Heights H100,H110, H120, H150, H200 Important! BAKS is introducing the multi-purpose side rail for long span cable trays and ladders	Section VI
Heavy Duty Cable Ladders – Vertical System of Side Heights H55, H80	Section VII
Steel Framing Channel Fittings and Supports – Channels, Angles, Z-Sections, Frame Rails, Flats	Section VIII
Mounting and Supporting Accessories – Rods, Chains, Wire Ropes, Anchors, Sleeves, Screws	Section IX
	H30, H42, H50, H60, H80, H100, H110 Wire Mesh Cable Trays – System of Side Heights H30, H60, H110 Long Span Cable Ladders – Side Heights H100,H110, H120, H150, H200 Important! BAKS is introducing the multi-purpose side rail for long span cable trays and ladders Outdoor Cable Trays – Extra Heavy Duty System of Side Heights H50, H100, H200 Cable Ladders – Side Heights H45, H50, H60, H80, H100, H120 Long Span Cable Ladders – Side Heights H100,H110, H120, H150, H200 Important! BAKS is introducing the multi-purpose side rail for long span cable trays and ladders Heavy Duty Cable Ladders – Vertical System of Side Heights H55, H80 Steel Framing Channel Fittings and Supports – Channels, Angles, Z-Sections, Frame Rails, Flats Mounting and Supporting Accessories – Rods, Chains, Wire Ropes, Anchors,



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Steel Framing Fittings and Supports – Wall-Mount Supports	Section X
Load-Bearing Elements and Mounting Hardware – Ceiling Mounted&Suspended Systems	Section XI
Spring Steel Fasteners and Plastic Cable Ties and Fixings	Section XII
Ceiling-Mount Beam Suspended and Support System	Section XIII
Underfloor Trunking of Side Heights H28, H38, H48	Section XIV
Steel Surface Trunking – System of Side Heights H68 - H100	Section XV
Lighting Trunking System for Functional and Decorative Tasks	Section XVI
Support System – Photovoltaic Cell Modules	Section XVII
E30, E90 Systems – Assemblies Exceeding Standard	Section XVIII
NEW PRODUCTS AND SOLUTIONS	Section XIX
	Load-Bearing Elements and Mounting Hardware - Ceiling Mounted&Suspended Systems Spring Steel Fasteners and Plastic Cable Ties and Fixings Ceiling-Mount Beam Suspended and Support System Underfloor Trunking of Side Heights H28, H38, H48 Steel Surface Trunking - System of Side Heights H68 - H100 Lighting Trunking System for Functional and Decorative Tasks Support System - Photovoltaic Cell Modules E30, E90 Systems - Assemblies Exceeding Standard



Catalogue of products and DVD-ROM presentation



The electronic version of this Catalogue is now available both on a CD-ROM, and on our web site at www.baks.com.pl.

This electronic Catalogue allows our designers, installers, investors, and business partners for fast and efficient work with our innovative solutions.

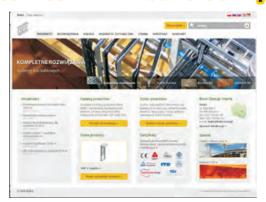
The following are the advantages of this eCatalogue:

It allows for:

- Searching for and localizing products according to a number of specified criteria
- Generating sets of products that may be treated as an order, specification, or inquiry
 - Calculating cable routes systems work parameters (load, deflection, etc.)
 - Selecting cable route dimensions based on the expected cable concentration.

This eCatalogue distributed in form of a CD-ROM contains comprehensive instructing materials, i.e. films and visualizations, which present characteristics of the company's products and systems, including demonstration of assembly and installation instructions.

Internet: www.baks.com.pl



This eCatalogue, available on our web-site, allows for on-line orders and provides Information on our innovative solutions.

Included is an abridged version of the Product Catalogue in the electronic form.