Walkable cable tray system BKRS

Effective protection of supply cables and people
in industry

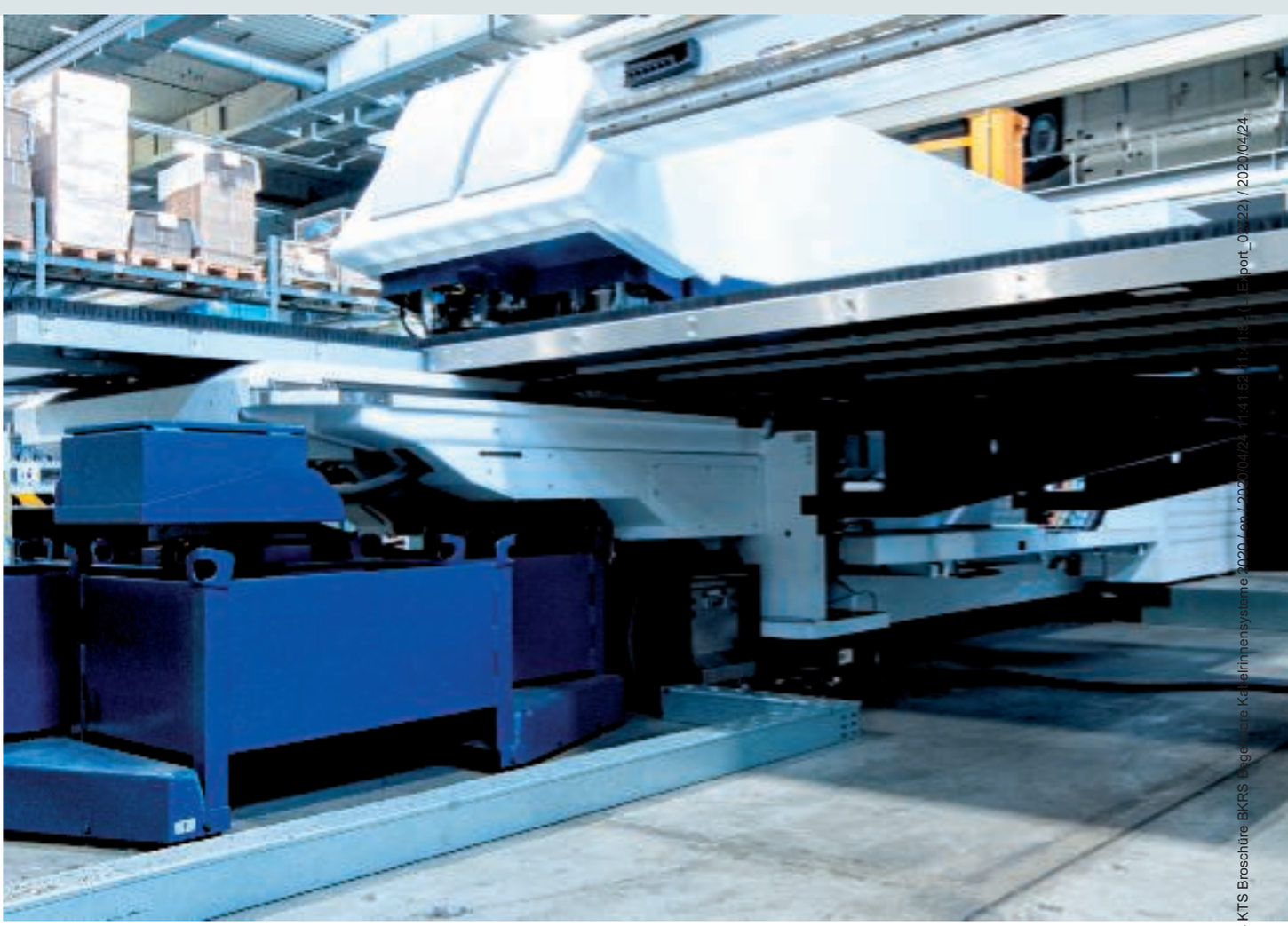
OBO
BETTERMANN

Foot-sure through day-to-day industrial operations

Walkable cable tray system BKRS

In the hard everyday industrial environment, materials must be able to withstand all kinds of loads. This also applies to electrical installations. Powerful protection against footfall, dust and many other loads is essential for reliably supplying the systems with power and data.
For these requirements, OBO offers its walkable BKRS cable tray system. The system is designed for the highest loads, which frequently occur in the vicinity of machines and automated production systems with robotic systems.

System sizes
The BRKS cable tray is available with the side heights 100 mm and 110 mm. The dimensions and materials mean that they satisfy the guidelines and requirements of numerous industries. Six different widths of 100 to 600 mm offer the right cable tray for any application purpose.



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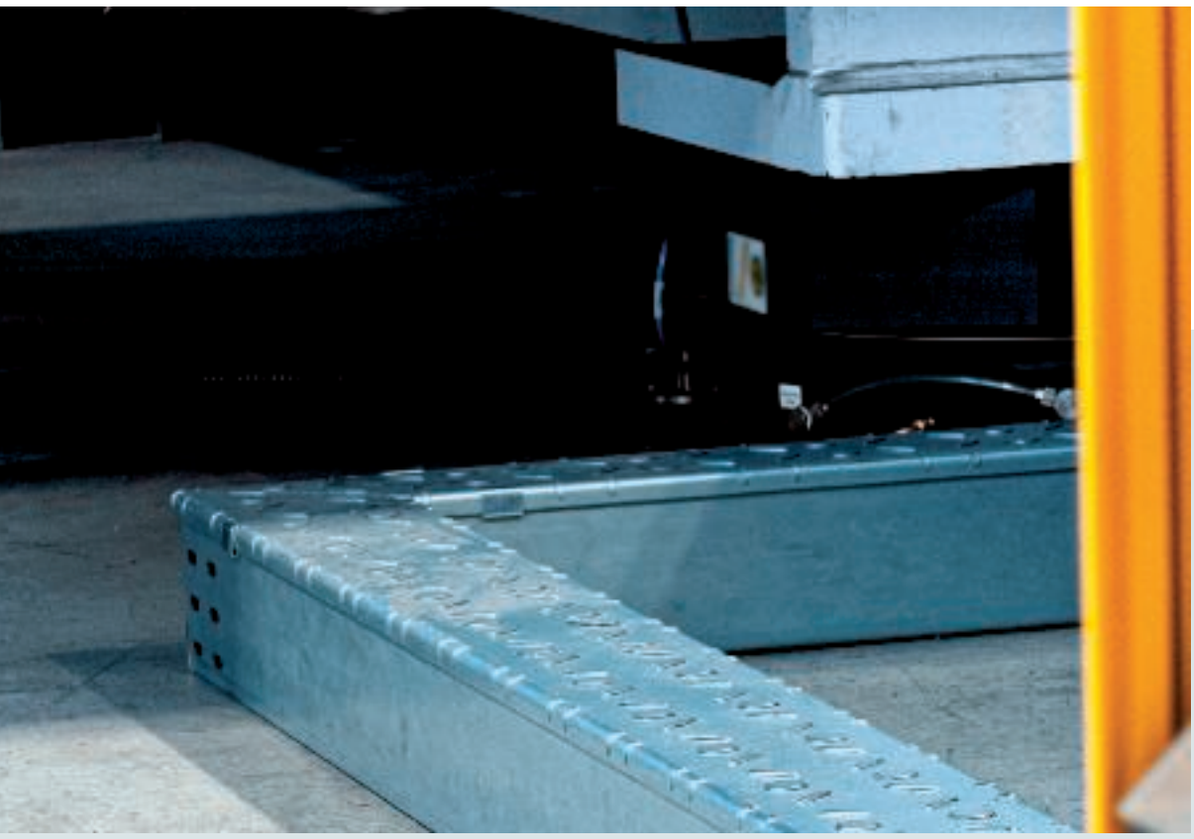

Safe power and data supply for industry

Automated production lines and systems construction applications consume very large quantities of energy and data, and hence require numerous cables. OBO walkable cable tray systems provide the ideal protection for these cables. The systems are tested according to EN 61537 and have tested load capacities according to EN 50085-2-2 and guarantee extremely high load capacities and safety in industrial environments.

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Cable trays made by OBO

OBO cable support systems stand out through their high level of variability and quality. The material, processing and galvanisation are the guarantees of first-class products. We pay particular attention to this in the production of our cable support systems.

At the head office in Menden, around 18 million metres of cable support systems are produced each year in an area of 30,000 m², of which around 10.5 million metres are cable trays, including the BKRS cable trays. The raw materials for this are subjected to strict quality controls even on arrival. Our employees review the material quality, surface structure and surface thickness in detail. Then each raw coil is given a label with all the key information, this is like an "identity card" which can be tracked through the entire production process. The amount of information increases with each production step and forms part of the continuous quality control process.

The BKRS cable trays are produced in two production steps, on the punching system and on the profiling system. Besides the quality checks before each production step, a camera in the punching system checks the function dimensions of the cable trays. The production of the chequer plate covers takes place primarily on the punching system. OBO Bettermann owns a product patent for the innovative production method used here.

The BKRS walkable cable tray system also complies with the in-house standards of a wide range of car manufacturers. For each product, OBO provides comprehensive documentation, including all data sheets and load capacity test reports. We also supply all necessary evidence confirming adherence to the automakers' safety specifications.

And we are working continuously on making our products and production processes even better – so that you can always rely on OBO quality.

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Rugged connection

Heavy loads, stamping feet, dirt, dust – OBO's enclosed, walkable cable tray systems can handle all this and more, thanks to their ingenious system design. With their excellent mechanical stability, they offer effective protection for cables and lines. They all provide optimal shielding to ensure electromagnetic compatibility. Further information on page 9.

Comprehensive accessories

No matter whether a cover clamp as an alternative to the turn buckle, a cover lifter with a clever drilling template, a universal connector with inclusive edge protection or stand-offs for different mounting variants - the comprehensive accessories make the BKRS cable tray even better. Further information on page 16.

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Functional equipotential bonding

The clamp spring and the connection terminal provide continuous functional equipotential bonding, without any additional drilling. Further information on page 16.

Anti-slip and displacement area

Sure-footed and slip-free with tested anti-slip (R11) and displacement area (V10) according to the applicable regulations for a lower accident risk at work. Further information on page 8.

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Protected at every step and every turn

Anti-slip and displacement area

For risk-free working on walkable cable trays the anti-slip finish and sure-footedness of the covers are hugely important. The newly developed chequer plate design of the BKRS cover provides optimal slip-resistance for safe standing on the cover and minimises the risk of accidents in daily use.

The required classification is dependent on the place the cover is used and is described in BGR 181 "Floors in working areas with slippage risk" and ASR A1.5/1.2 "Technical rules for workplaces". The slip prevention of the covering surface is tested DIN 51130 "Testing of floor coverings - Determination of the anti-slip property" with the ramp test walking method. Here, the slip prevention is tested on a ramp with different angles of inclination from 6° > 35° and assigned according to the evaluation groups R9 (lowest requirements) to R13 (highest requirements). Most industries require slip protection of at least R10.

The DBKR chequer plate cover fulfils the requirements of BGR and ASR and with its certified anti-slip properties it is suitable for most environments that are walked on and have a risk of slipping.

If, due to the use of the building, extreme soiling with slippery substances (e.g. oils, animal fats, etc.) is to be expected, the surface must provide an appropriate displacement area for those substances in order to ensure that walking on the surface is safe.B.The specification is done using the designation "V" in connection with the index for the minimum volume of the displacement area. Here, the scale ranges from V4 (displacement volume: 4 cm^3/dm^2) to V10 (displacement volume: 10 cm^3/dm^2). In this respect, the BKRS chequer plate cover again supersedes the demands of most industries of V4 with a valuation group of V10.Hier reicht die Skala von V4 (Verdrängungsvolumen: 4 cm^3/dm^2) bis V10 (Verdrängungsvolumen; 10 cm^3/dm^2).

The advantages at a glance:

- Safe, anti-slip stepping on and off due to corrugation on the cover and cover edges
- Certified anti-slip class R11
- Certified displacement space class V10

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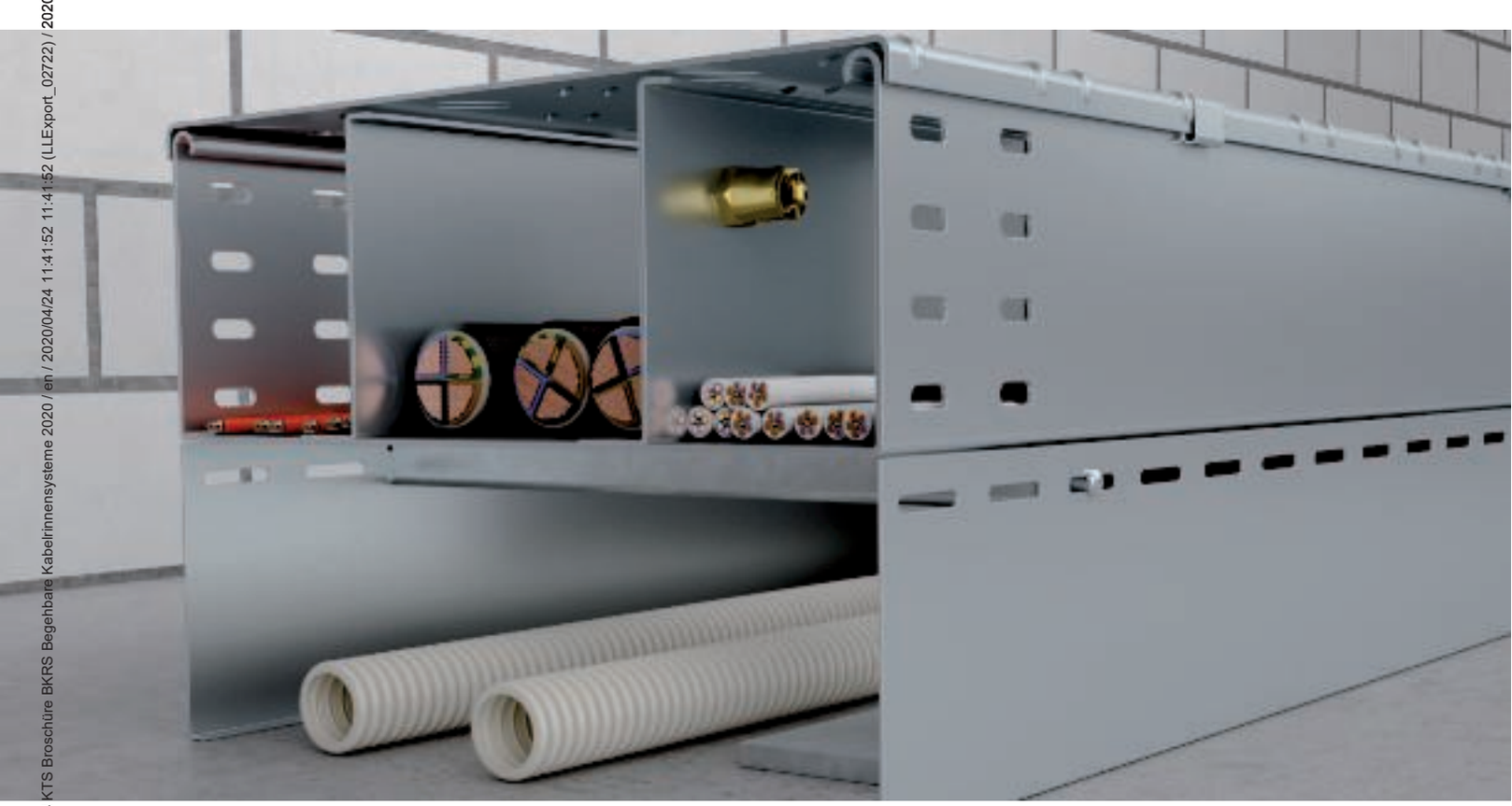
Stronger together

Mechanical load capacity

Heavy loads, stamping feet, dirt, dust – OBO's enclosed, walkable cable tray systems can handle all this and protect cables against damage, thanks to their ingenious system design. They all provide optimal shielding to ensure electromagnetic compatibility. Through the use of a barrier strip, power, control and data cables are insulated according to DIN EN 50174, to ensure electromagnetic compatibility. The trays and covers themselves provide perfect all-round protection for the cables. Cable tray, cover and barrier strip have a continuous material thickness of 2 mm and are – when put together – highly stable.

In our in-house BET Test Centre, OBO simulates the loads that the walkable cable tray systems have to withstand on a constant basis. We determine the maximum load capacity and carrying capacity of the system, as well as its resistance to dust and corrosion. This means that, as a systems provider, OBO places paramount importance on safety.

The walkable cable tray system corresponds to the valid product standard IEC 61537 - Cable management, was tested according to all the relevant standards and, with the strip galvanised chequer plate cover, guarantees – depending on the installation type and subject to compliance with the mounting specifications – a footfall load of at least 350 kg according to EN 50085-2-2.
In order to ensure a safe maximum step load, the compartment size of 220 mm must be adhered to for the cable tray. This means, one barrier strip is sufficient for a tray width of up to 400 mm, two barrier strips need to be used for a width of up to 600 mm.



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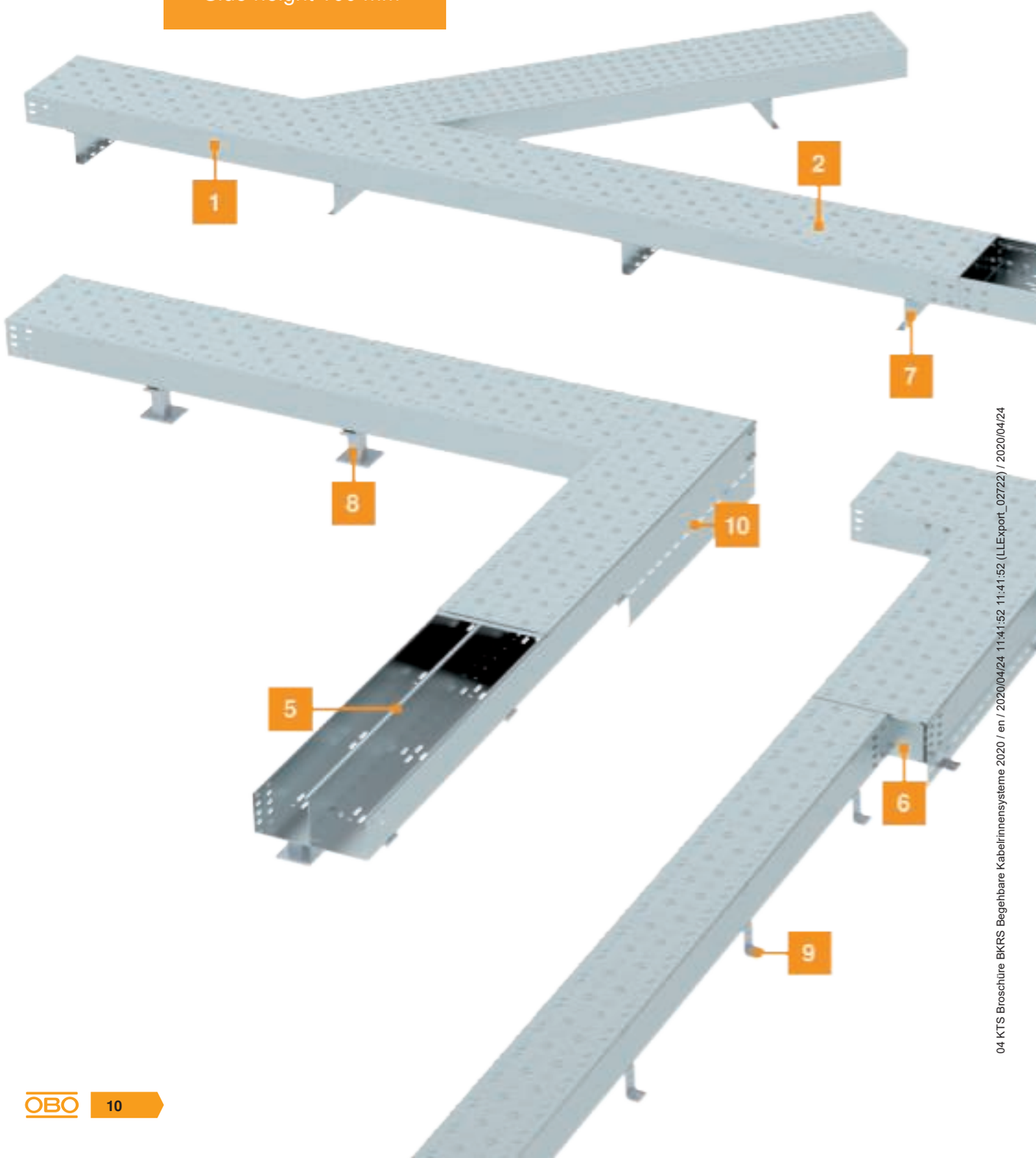
The walkable cable tray system at a glance

Side height 100 mm



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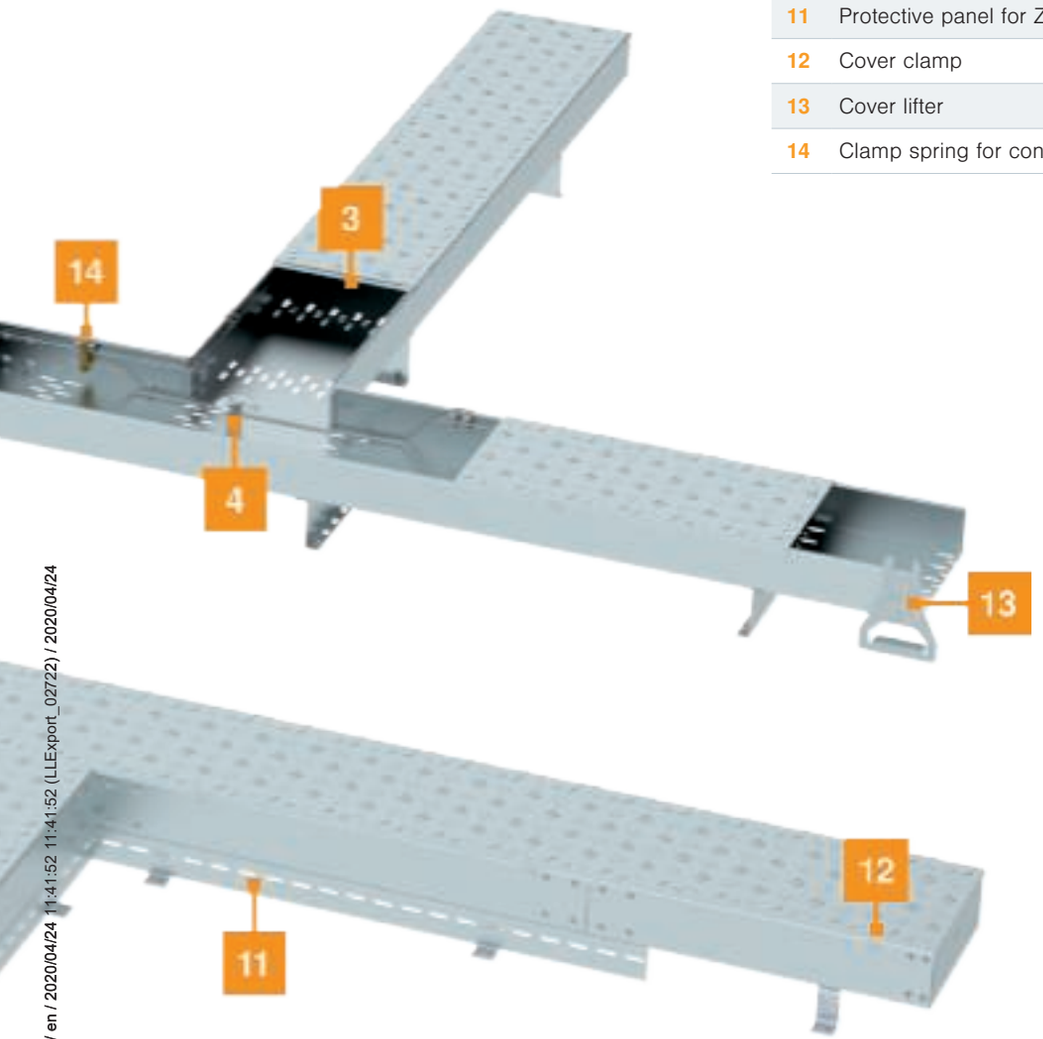
1	BKRS cable tray
2	Chequer plate cover
3	Dust protection element
4	Cover support
5	Z-shaped barrier strip
6	Reducer/stop-end
7	Support profile
8	Support bracket
9	Z support
10	Protective panel for support bracket
11	Protective panel for Z supports
12	Cover clamp
13	Cover lifter
14	Clamp spring for conductor cable and connection terminal



Side height 110 mm

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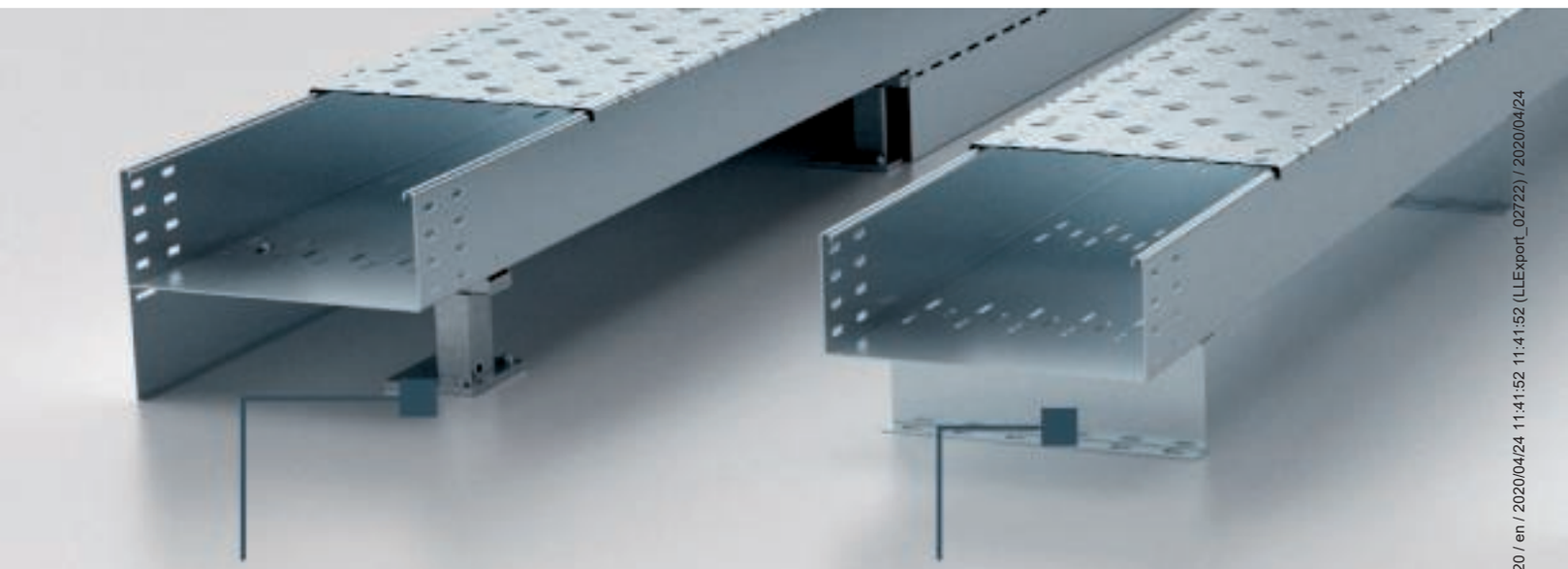
Mounting variants: Assembly options to meet every requirement

You can find further details in the mounting instructions for the walkable cable tray system.

Range of mounting options of the chequer plate cover

- Simple and rapid cover mounting with the new cover clamp
- Alternative mounting with turn buckle on flexibly chosen break-out openings



Mounting on support bracket

- Meets health and safety guidelines to avoid the risk of slipping/tripping
- Step height approx. 210 - 220 mm (depending on the system height)
- Space for routing under the system
- Prepunched protective panels simplify mounting on the support brackets

Mounting on Z-shaped support profile

- Step height approx. 210–220 mm (depending on the system height)

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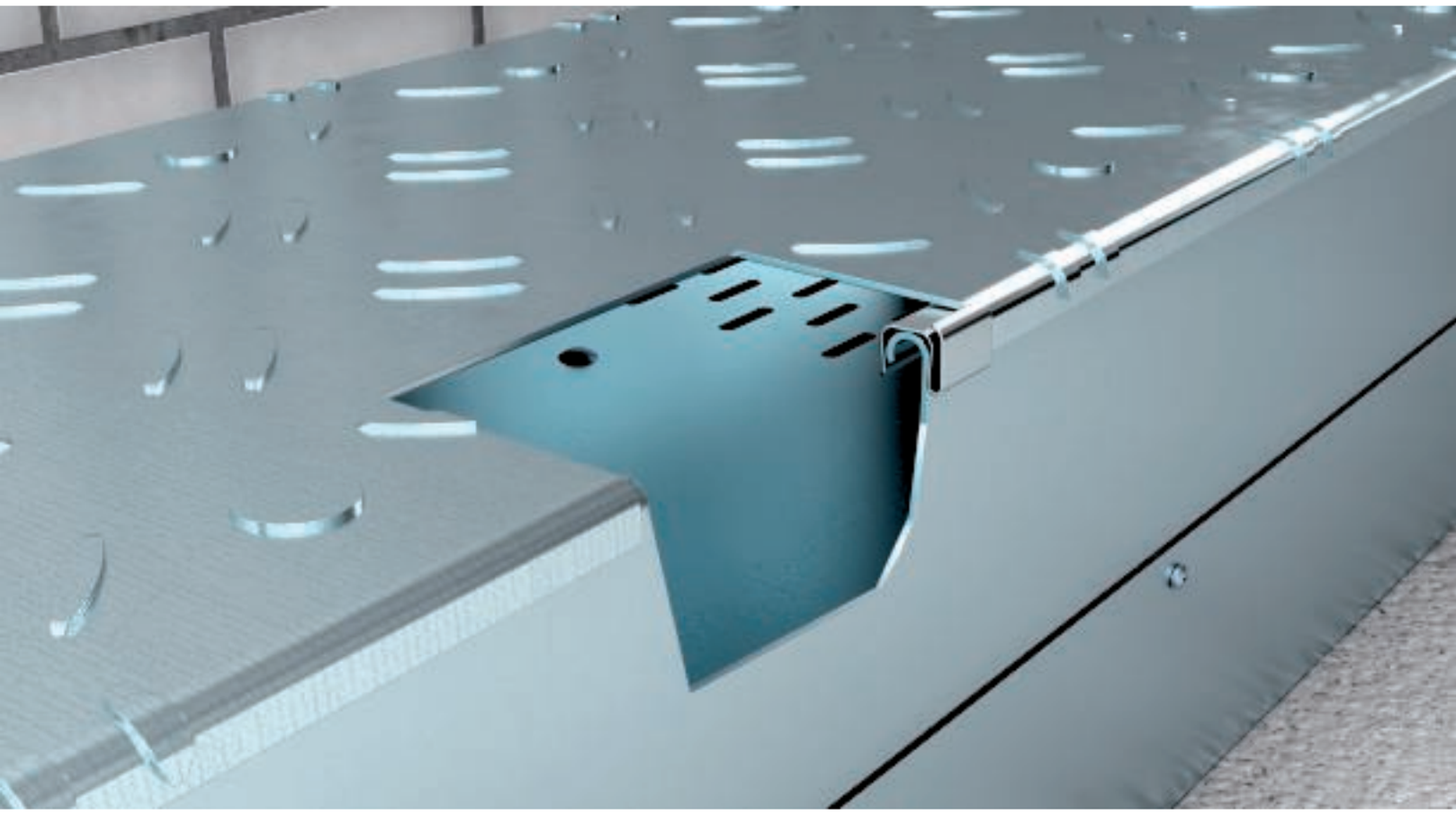

Mounting on Z support

- Max. system height 200 mm, fits under most protection fences
- Simple mounting of protective panels without additional drilling, thanks to prefabricated perforation in Z support and protective panel
- Space for routing underneath the system, meets health and safety guidelines to avoid the risk of slipping/tripping

Floor mounting

- Fastest and simplest way of laying and mounting the BKRS
- Low step height of 100 or 110 mm (depending on the system height)

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Perfect protection

All kinds of conditions are encountered in modern industrial plants. Often the environment is harsh, with dirt, vibrations and other side effects of industrial processes posing a serious risk to sensitive power, data and control cables. BKRS provides a safe, enclosed installation space for cables and lines.

EMC-tested

Through the use of a barrier strip, power, control and data cables are insulated according to DIN EN 50174, to ensure electromagnetic compatibility. The trays and covers themselves provide perfect all-round protection for the cables.

Functional equipotential bonding

Flexible installation of equipotential bonding rails, earthing terminals and clamp springs for the optimal implementation of EMC concepts - made by OBO.

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Dust protection

The dust protection elements on cover joints prevent the ingress of foreign bodies.

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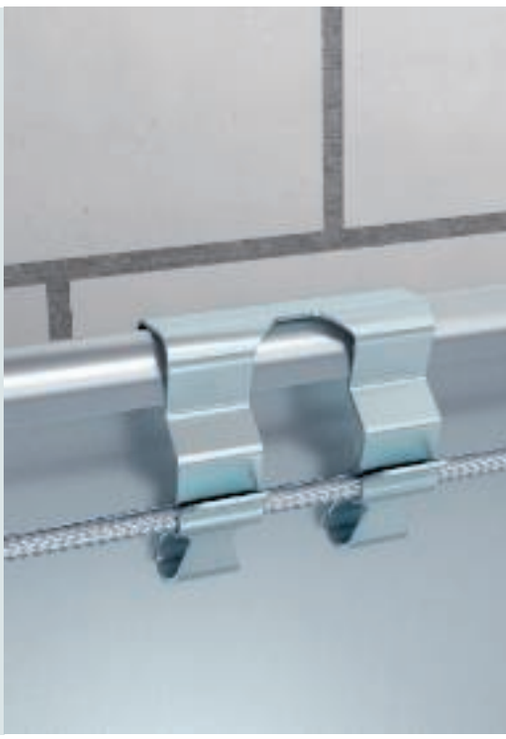
Continuously protected

Rapid, screwless integration of the BKR system into the functional equipotential bonding with KFL clamp spring and AKL connection terminal.

KFL clamp spring
- Just clamp onto the cable tray rail without needing to drill
- The conductor rope is pushed into the clamp spring to create the contact
- Max. conductor rope cross-section 35 mm²

Connection terminal AKL
- Simple creation of branches and exits of the conductor rope
- Available in single and double versions



KFL clamp spring

Components for functional equipotential bonding

With the KFL clamp spring and AKL connection terminal, the BKS system is included in the functional equipotential bonding, ensuring the electrical conductivity according to IEC 61537 - Cable management. The clamp spring is clamped onto the edge of the cable tray every 1,500 mm and guides the conductor rope along the cable tray. The system must be connected at least once with the functional equipotential bonding of the overall system. For this, the connection terminal on the clamp spring is screwed to the conductor rope. A contact to the overall system is created using the clamp spring. In addition, with the double version of the connection terminal, branches and exits of the conductor rope can be created.

Connection terminal AKL

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Assembly options to meet every requirement

The comprehensive accessories for the BKRS cable tray offer a range of mounting benefits

The chequer plate cover not only offers ideal slip prevention, but can now also be mounted with the BKR cover clamp. As an alternative to the turn buckle, the cover clamp can be attached to the cover before mounting. The cover is then simply snapped onto the cable tray. Instead of pre-mounted turn buckle, there are break-out markings at 100 mm spacings on the chequer plate cover to allow mounting of turn buckles as appropriate.

With the matching cover lifter, the cover can be dismantled again just as easily. At the same time, the cover lifter can be used as a drilling template for connector perforations, for example to mount the RUVK universal connector.

One connector for every direction - the RUVK universal connector can be used as both a straight and angled connector. The optimised rounded inner edge of the connector reliably protects cables against damage during pulling.

At a glance:

- Cover clamp as the rapid alternative to mounting with turn buckles
- Cover lifter as dismantling tool with clever drilling template for connection perforation
- Universal connector with integrated edge protection when creating horizontal exits

RUVK universal connector

DH DBKR FS cover lifter

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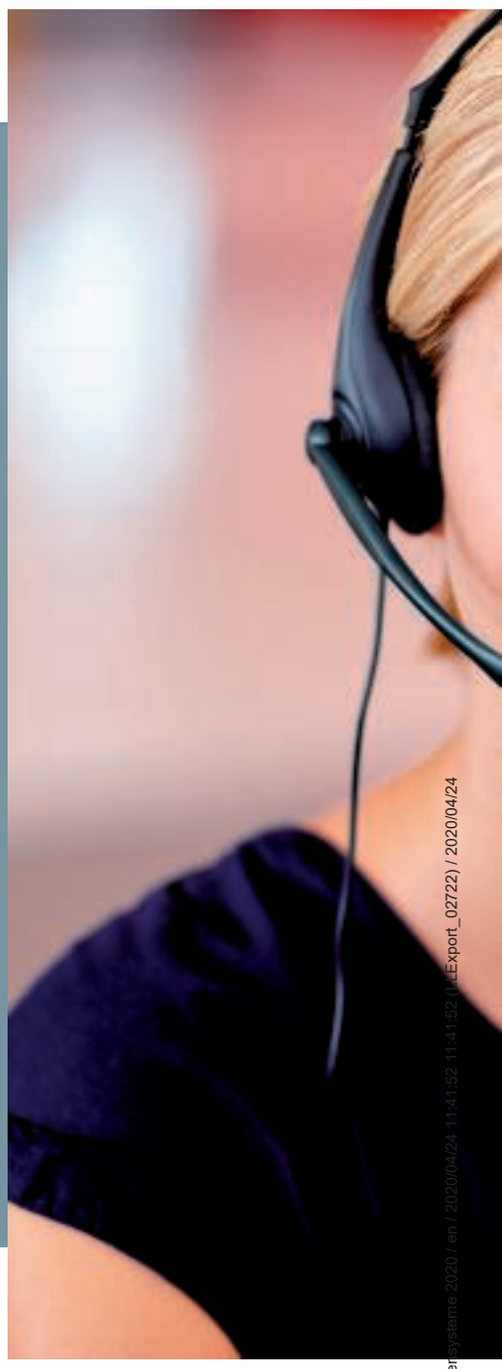
OBO support: First-hand knowledge



Service offer

- Telephone consultation and e-mail support
- Field service around the world
- KTS seminars
- Mounting instructions and films
- Selection aids
- Certificates
- Invitations to tender and data sheets
- BIM data
- OBO Construct app

Find out now
Let yourself be impressed by the new OBO Construct app: A new support and training concept makes it easier than ever for you to take your first steps. You can find additional information on the Internet or from our Customer Service.

OBO KTS seminars

With a comprehensive programme of training courses and seminars on the subject of cable support systems, OBO is able to support its customers with specialist knowledge from a single source. Besides the theoretical principles, practical everyday implementation is also dealt with. Special calculation and application examples round off the comprehensive programme of knowledge transfer.

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You can contact our Customer Service department on:

+49 23 71 78 99 -20 00

Monday - Thursday
07.30 – 17.00

Friday
07.30 – 15.00

export@obo.de

A first consultation, a concrete question or a comprehensive problem: Via OBO's Customer Service, you can reach a direct contact who can help you in any matter. Our technically qualified Customer Service is in constant contact with our product managers and developers and can offer rapid help with practical solutions.

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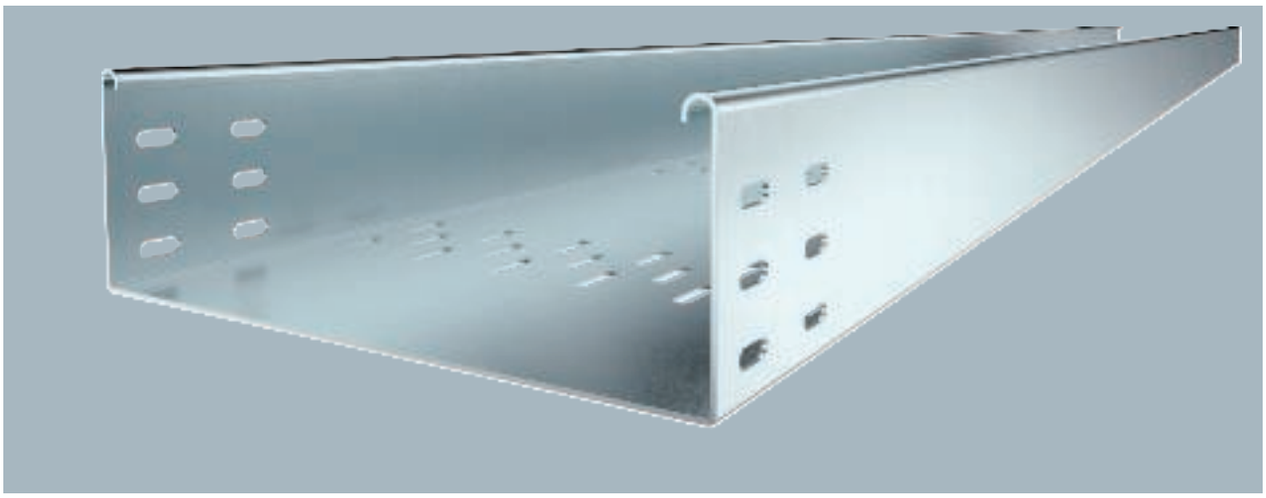
Walkable cable tray systems, side height 100

Cable tray BKRS 100

St Steel
FS Strip galvanised



Type	Side height mm	Width mm	Metal thickness mm		Pack m	Weight kg/100 m	Item no.
BKRS 1010 FS	100	100	2.00		3	485.670	**6062000**
BKRS 1020 FS	100	200	2.00		3	636.070	**6062002**
BKRS 1030 FS	100	300	2.00		3	796.370	**6062004**
BKRS 1040 FS	100	400	2.00		3	936.670	**6062006**
BKRS 1050 FS	100	500	2.00		3	1,086.970	**6062008**
BKRS 1060 FS	100	600	2.00		3	1,237.270	**6062010**

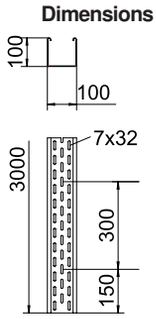
0420 price/m

The cable tray has connector perforations on both sides. Straight connectors should be ordered separately and in the appropriate quantity.

Heavy-duty, walkable cable tray system BKRS with base perforation, in 100 mm side height.

Type	Dimension L mm	Dimension B mm	Dimension H mm	Metal thickness mm	Usable cross-section cm²
BKRS 1010 FS	3000	100	100	2.00	84
BKRS 1020 FS	3000	200	100	2.00	171
BKRS 1030 FS	3000	300	100	2.00	258
BKRS 1040 FS	3000	400	100	2.00	345
BKRS 1050 FS	3000	500	100	2.00	432
BKRS 1060 FS	3000	600	100	2.00	519

Dimensions

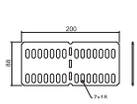


System accessories for articles

FS Straight and angle connector 100 20
FS Barrier strip, Z-shaped 100 21
FS Reducer/stop-end 100 22
FS Chequer plate cover DBKR 26
G Cover clamp BKR 26
FS Dust protection element and joint plate 27
FT STA BKRS support bracket 28
FT Z support BKRS FT 29
FS Support profile 100 28

Straight and angle connector 100

St Steel
FS Strip galvanised



Type	Side height mm		Pack Piece	Weight kg/100 pc.	Item no.
RLVL 100 FS	100		10	23.200	**6067870**

0420 /pc.

Including appropriate fastening material.

Straight and angle connector for cable trays with a side height of 100 mm.

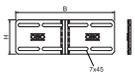
Universal connector RUVK 100 FS

St Steel
FS Strip galvanised

Type	Side height mm	Dimension H mm	Dimension B mm	Pack Piece	Weight kg/100 pc.	Item no.
RUVK 100 FS	100	72	208	10	18.000	**6067151**

0420

Universal connector for horizontal connection of walkable cable trays.
Besides straight connections, angled connections can also be created.
The universal connector offers additional edge protection when it is angled.



Barrier strip, Z-shaped 100

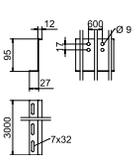
St Steel
FS Strip galvanised

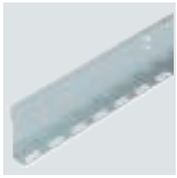
Type	Dimension H mm	Metal thickness mm	Dimension L mm	Pack m	Weight kg/100 m	Item no.
TSG100Z BKRS FS	100	2.00	3000	3	193.270	**6062390**

0420 price/m

Barrier strip for the BKRS walkable cable tray system. Fastening with truss-head bolts M 6 x 12 in the base perforation.

For widths of 200 mm or more, a barrier strip with a maximum compartment size of 220 mm should be used.
For widths of 500 mm or more, two barrier strips with a maximum compartment size of 220 mm should be used.





Truss-head bolt with combination nut

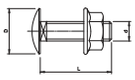
St Steel
G Electrogalvanised

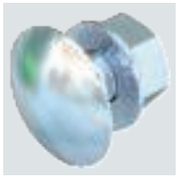
Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRSB 6x12 G	M 6 x 12	12	6	13.5	5.6	100	0.804	**6406130**

0415 /100 pc.

For universal fastening of construction components. Permitted use of the article only in dry atmospheres.

Hot galvanised truss-head bolt with square neck including electrogalvanised combination nut.





Anti-slip strip

GUM Rubber

Type	Pack m	Weight kg/100 m	Item no.
ARS BKR	11	10.070	**6049259**

0420 price/m

Self-adhesive, anti-slip strip to stick onto the Z-shaped barrier in walkable cable trays, for securing laid-on but not yet attached covers.

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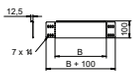
Walkable cable tray systems, side height 100

Reducer/stop-end 100

St Steel
FS Strip galvanised



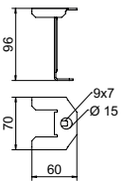
Type	Side height mm	Dimension B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 1010 FS	100	100	1	13.600	**7111802**
RWEB 1020 FS	100	200	1	22.100	**7111804**
RWEB 1030 FS	100	300	1	30.600	**7111806**
RWEB 1040 FS	100	400	1	39.100	**7111808**
RWEB 1050 FS	100	500	1	47.600	**7111810**
RWEB 1060 FS	100	600	1	56.100	**7111812**

0420 /pc.

Including appropriate fastening material.
Reducer/stop-end for cable trays with side height 100 mm.

Cover support 100

St Steel
FS Strip galvanised



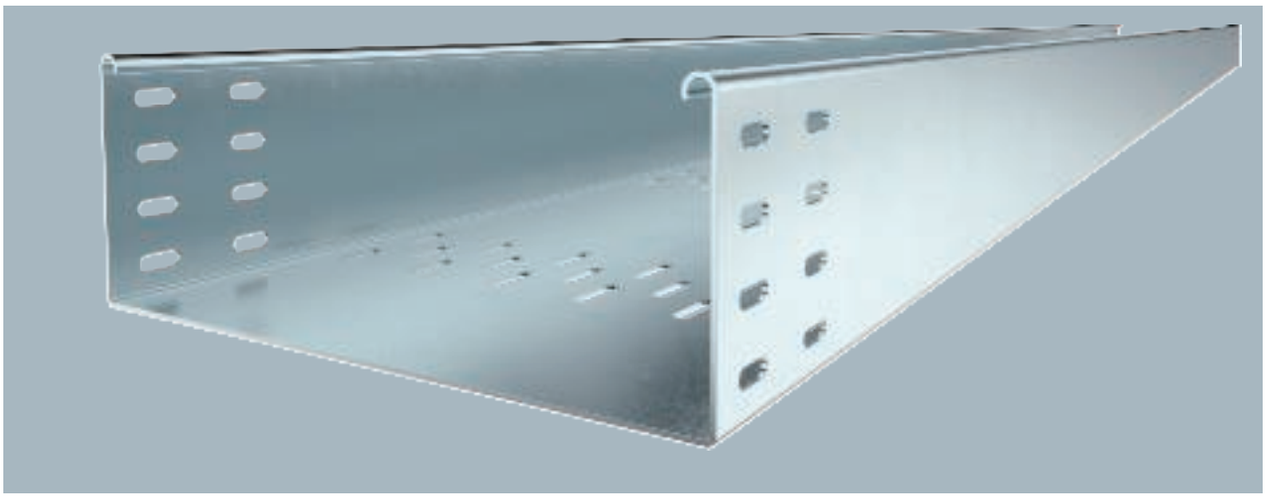
Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
DST100 BKRS FS	100	10	10.600	**6049239**

0420 /pc.

Cover support for the walkable BKRS cable tray system, for additional support of covers at a side height of 100 mm.

St Steel
FS Strip galvanised

Cable tray BKRS 110



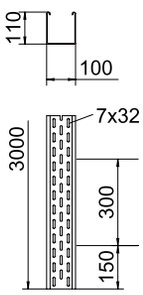
The cable tray has connector perforations on both sides. Straight connectors should be ordered separately and in the appropriate quantity.

Heavy-duty, walkable cable tray system BKRS with base perforation, in 110 mm side height.

Type	Side height mm	Width mm	Metal thickness mm		Pack m	Weight kg/100 m	Item no.
BKRS 1110 FS	110	100	2.00		3	529.200	**6061981**
BKRS 1120 FS	110	200	2.00		3	679.500	**6061983**
BKRS 1130 FS	110	300	2.00		3	829.800	**6061985**
BKRS 1140 FS	110	400	2.00		3	980.100	**6061987**
BKRS 1150 FS	110	500	2.00		3	1,130.400	**6061989**
BKRS 1160 FS	110	600	2.00		3	1,280.700	**6061991**

0420 price/m

Dimensions



Type	Dimension L mm	Dimension B mm	Dimension H mm	Metal thickness mm	Usable cross-section cm²
BKRS 1110 FS	3000	100	110	2.00	96
BKRS 1120 FS	3000	200	110	2.00	196
BKRS 1130 FS	3000	300	110	2.00	296
BKRS 1140 FS	3000	400	110	2.00	396
BKRS 1150 FS	3000	500	110	2.00	496
BKRS 1160 FS	3000	600	110	2.00	596

System accessories for articles

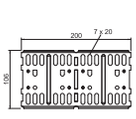
FS Straight and angle connector 110 23
FS Barrier strip, Z-shaped 110 24
FS Reducer/stop-end 110 25
FS Chequer plate cover DBKR 26
G Cover clamp BKR 26
FS Dust protection element and joint plate 27
FT STA BKRS support bracket 28
FT Z support BKRS FT 29
FS Support profile 100 28

St Steel
FS Strip galvanised

Straight and angle connector 110

Type	Side height mm		Pack Piece	Weight kg/100 pc.	Item no.
RLVL 110 FS	110		10	33.800	**6067131**

0420 /pc.

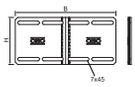


Including appropriate fastening material.

Straight and angle connector for cable trays and fittings with a side height of 110 mm.

Universal connector RUVK 110 FS

St Steel
FS Strip galvanised



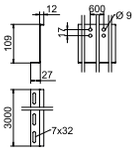
Type	Side height mm	Dimension H mm	Dimension B mm	Pack Piece	Weight kg/100 pc.	Item no.
RUVK 110 FS	110	97	208	10	25.000	**6067157**

0420

Universal connector for horizontal connection of walkable cable trays.
Besides straight connections, angled connections can also be created.
The universal connector offers additional edge protection when it is angled.

Barrier strip, Z-shaped 110

St Steel
FS Strip galvanised



Type	Dimension H mm	Metal thickness mm	Dimension L mm	Pack m	Weight kg/100 m	Item no.
TSG110Z BKRS FS	110	2.00	3000	3	215.240	**6062391**

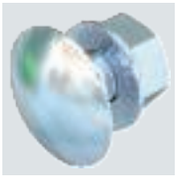
0420 price/m

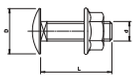
Barrier strip for the BKRS walkable cable tray system. Fastening with truss-head bolts M 6 x 12 in the base perforation.

For widths of 200 mm or more, a barrier strip with a maximum compartment size of 220 mm should be used.
For widths of 500 mm or more, two barrier strips with a maximum compartment size of 220 mm should be used.

Truss-head bolt with combination nut

St Steel
G Electrogalvanised





Type	Dimension mm	Dimension L mm	Dimension d mm	Dimension D mm	Resistance grade	Pack Piece	Weight kg/100 pc.	Item no.
FRSB 6x12 G	M6x12	12	6	13.5	5.6	100	0.804	**6406130**

0415 /100 pc.

For universal fastening of construction components. Permitted use of the article only in dry atmospheres.
Hot galvanised truss-head bolt with square neck including electrogalvanised combination nut.

Anti-slip strip

GUM Rubber

Type	Pack m	Weight kg/100 m	Item no.
ARS BKR	11	10.070	**6049259**

0420 price/m

Self-adhesive, anti-slip strip to stick onto the Z-shaped barrier in walkable cable trays, for securing laid-on but not yet attached covers.

Reducer/stop-end 110

St Steel

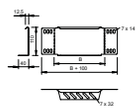
FS Strip galvanised

Type	Side height mm	Dimension B mm	Pack Piece	Weight kg/100 pc.	Item no.
RWEB 110 FS	110	100	1	16.400	**7111096**
RWEB 120 FS	110	200	1	29.000	**7111207**
RWEB 130 FS	110	300	1	40.700	**7111304**
RWEB 140 FS	110	400	1	52.900	**7111428**
RWEB 150 FS	110	500	1	64.800	**7111509**
RWEB 160 FS	110	600	1	71.000	**7111740**

0420 /pc.

From a width of 150 mm, the perforated lower flange is provided.
Including appropriate fastening material.

Reducer/stop-end for cable trays with side height 110 mm.



Cover support 110

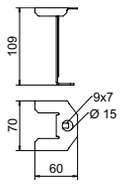
St Steel

FS Strip galvanised

Type	Side height mm	Pack Piece	Weight kg/100 pc.	Item no.
DST110 BKRS FS	110	10	11.200	**6049256**

0420 /pc.

Cover support for the walkable BKRS cable tray system, for additional support of covers at a side height of 110 mm.



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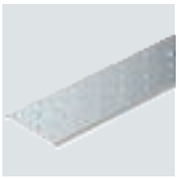
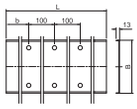
Chequer plate cover DBKR

St Steel
FS Strip galvanised





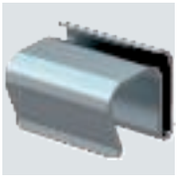
Type	Dimension B mm	Dimension b mm	Dimension L mm	Metal thickness mm	Pack m	Weight kg/100 m	Item no.
DBKR 100 FS	100	100	3000	3.30	3	195.070	6049119
DBKR 200 FS	200	50	3000	3.30	3	352.067	6049121
DBKR 300 FS	300	100	3000	3.30	3	509.070	6049123
DBKR 400 FS	400	50	3000	3.30	3	666.070	6049125
DBKR 500 FS	500	100	3000	3.30	3	823.070	6049127
DBKR 600 FS	600	50	3000	3.30	3	980.070	6049129

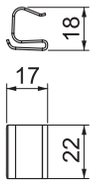
0420 price/m

Chequer plate cover for the walkable cable tray system, type BKR.
The cover thickness is comprised of 2.0 mm of strip-galvanised sheet steel and 1.3 mm chequer height.
Pre-marked break-out openings at a spacing of 100 mm allow retroinstallation of a turn buckle.
When the cover is used under wind, draught or pressure impacts, additional security measures are required.
The covers are tested according to DIN51130 and possess anti-slip class R11 and displacement space class V10.
Cover fastenings are not part of the scope of delivery and can be ordered separately.

Cover clamp BKR

St Steel
G Electrogalvanised





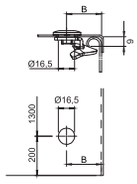
Type	Pack Piece	Weight kg/100 pc.	Item no.
DK DBKR G	30	0.794	6049280

0420 /pc.

Cover clamp for rapid fastening of the chequer plate cover, type DBKR, on cable trays.
We recommend using at least 6 cover clamps for 3 metres of chequer plate cover.

Turn buckle for riveting

St Steel
FT Hot-dip galvanised



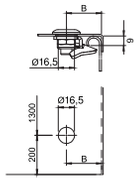
Type	Pack Piece	Weight kg/100 pc.	Item no.
DRL H FT	20	2.187	6065012

0420 /pc.

Single-sided turn buckle. Use for cover widths of 100–600 mm.
Turn buckle for additional installation or installation at a later date.
Depending on the cover version, dimension B varies as follows:
DRL / DRLU = 27 mm
DBKR = 27 mm
WDRL = 38 mm
WKLD = 58 mm

Turn buckle for screwing

St Steel
FT Hot-dip galvanised



Type	Pack Piece	Weight kg/100 pc.	Item no.
DRL H S FT	20	3.260	6065018

0420

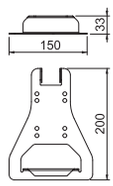
Single-sided turn buckle. Use for cover widths of 100–600 mm.
Turn buckle for additional installation or installation at a later date.
Depending on the cover version, dimension B varies as follows:
DRL / DRLU = 27 mm
DBKR = 27 mm
WDRL = 38 mm
WKLD = 58 mm

St Steel
FS Strip galvanised

Cover lifter for chequer plate cover

Type	Length mm	Width mm	Height mm	Pack Pair	Weight kg/100 pairs	Item no.
DH DBKR FS	200	150	33	1	22.100	**6049285**

0420



Using the cover lifter, chequer plate covers installed with cover clamps can be dismantled quickly and simply.

Position the cover lifter at pairs of the cover clamps and remove the chequer plate cover evenly. Repeat the operation in the lengthwise direction until the whole cover has been removed.

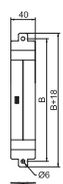
Alternatively, the cover lifter can be used as a template for the connector perforation with cable trays cut during construction. For this, turn the cover lifter through 180° and position on the cable tray. Then use the perforation template appropriate to the side height.

St Steel
FS Strip galvanised

Dust protection element and joint plate

Type	Dimension B mm	Pack Piece	Weight kg/100 pc.	Item no.
SSE SSLB 100 FS	100	1	1.574	**6049290**
SSE SSLB 200 FS	200	1	3.145	**6049292**
SSE SSLB 300 FS	300	1	4.716	**6049294**
SSE SSLB 400 FS	400	1	6.287	**6049296**
SSE SSLB 500 FS	500	1	7.858	**6049298**
SSE SSLB 600 FS	600	1	9.429	**6049300**

0420 /pc.



Dust protection element for use between chequer plate covers and aluminium chequer plates for walkable BKRS cable tray systems, as protection against dust and chips, etc.
The component can alternatively be used as a joint plate in the walkable cable tray, to bridge construction interfaces.

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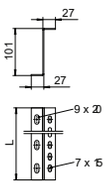
Support profile 100

St Steel
FS Strip galvanised



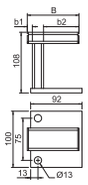
Type	Dimension L mm	Metal thickness mm		Pack Piece	Weight kg/100 pc.	Item no.
STP Z 1010 FS	100	2.00		1	22.500	6044581
STP Z 1020 FS	200	2.00		1	44.800	6044583
STP Z 1030 FS	300	2.00		1	67.200	6044585
STP Z 1040 FS	400	2.00		1	89.500	6044587
STP Z 1050 FS	500	2.00		1	111.800	6044589
STP Z 1060 FS	600	2.00		1	134.200	6044591
STP Z 10300 FS	3000	2.00		3	223.400	6044596

0420 /pc.

Support profile for holding up the walkable cable tray system BKRS from the floor. Installation must be performed on both sides of the Z profile during the process of securing the system so that it is held up.

STA BKRS support bracket

St Steel
FT Hot-dip galvanised



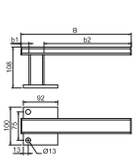
Type	Dimension B mm	Dimension b1 mm	Dimension b2 mm	for width mm		Pack Piece	Weight kg/100 pc.	Item no.
STA BKRS 100 FT	92	11	61	100		1	83.700	6044541
STA BKRS 200 FT	192	11	161	200		1	100.700	6044543

0420

Support bracket, made of closed rectangular steel pipe, as a stand-off of the walk-on cable tray system.

STA BKRS support bracket

St Steel
FT Hot-dip galvanised



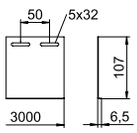
Type	Dimension B mm	Dimension b1 mm	Dimension b2 mm	for width mm		Pack Piece	Weight kg/100 pc.	Item no.
STA BKRS 300 FT	292	23	229	300		1	122.700	6044545
STA BKRS 400 FT	392	23	329	400		1	138.700	6044547
STA BKRS 500 FT	492	123	329	500		1	155.700	6044551
STA BKRS 600 FT	592	223	329	600		1	172.700	6044553

0420

Support bracket, made of closed rectangular steel pipe, as a stand-off of the walk-on cable tray system.

SB BKS protective panel

St Steel
FS Strip galvanised



Type	Length mm	Height mm	Thickness mm		Pack m	Weight kg/100 m	Item no.
SB BKS FS	3000	108	1		3	91.670	6049252

0420 price/m

Protective panel, to be attached at the side as a collision guard for the walkable BKRS cable tray system. The side height is 108 mm.

Drilling screw

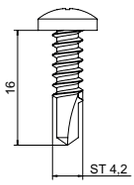
St Steel

G Electrogalvanised

Type	Dimension d mm	Dimension l mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
BS BKS KP	4.2	16	Phillips PH	100	0.180	**6049250**

0420 /100 pc.

Drilling screw to fasten components to the stand-offs of the walkable cable tray system. Corresponds to DIN 7504.



Z support BKRS FT

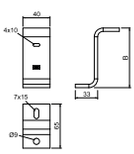
St Steel

FT Hot-dip galvanised

Type	Length mm	Width mm	Height mm	Pack Piece	Weight kg/100 pc.	Item no.
ZST 100 BKRS FT	65	40	88	25	21.700	**6044601**
ZST 110 BKRS FT	65	40	75	25	19.500	**6044603**

0420 /pc.

The Z support is used as a stand-off of the walkable cable tray system. Protective plates can be attached to it using lens metal screws.



Protective panel

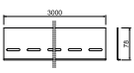
St Steel

FS Strip galvanised

Type	Length mm	Height mm	Thickness mm	Pack m	Weight kg/100 m	Item no.
SB 100 BKS FS	3000	78	1.5	3	92.900	**6049241**
SB 110 BKS FS	3000	65	1.5	3	77.600	**6049243**

0420 price/m

Protective panel, to be attached at the side as a collision guard for the walkable cable tray system. The protective panel can be installed on the Z supports using lens metal screws, type SPHS.



Lens head metal screw

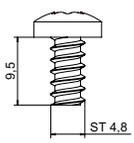
St Steel

G Electrogalvanised

Type	Dimension d mm	Dimension L mm	Screw system	Pack Piece	Weight kg/100 pc.	Item no.
SPHS 4,8x9,5 G	4.8	9.5	Torx	100	0.200	**6049248**

0420 /100 pc.

Metal screw with lens head according to shape F and Torx drive, according to DIN EN ISO 7049, to fasten protective panels to the Z supports for the walkable cable tray system.



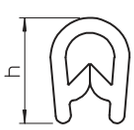
Edge protection strip KSB 4

PVC Polyvinylchloride

Type	For metal thickness mm	Dimension h mm	Pack m	Weight kg/100 m	Item no.
KSB 4 PVC	1.5-4	15	10	15.000	**6072895**

0420 price/100 m

Edge protection strip with steel inlay to cover cut plate ends. Black, UV-resistant version.



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Clamp spring for stranded cables

St Steel
G Electrogalvanised

Type	Cross-section mm²	Pack Piece	Weight kg/100 pc.	Item no.
KFL 25 G	25	50	1.731	**6049273**

0420

Functional equipotential bonding of the cable support system can be created with the clamp spring.
The clamp spring is clamped onto the edge of the cable tray and then the conductor rope is clamped into the intended support of the clamp spring.
The clamp spring can accept conductor ropes of up to 25 mm² and should be mounted every 1,500 mm.

Connection terminal, single

CuZn 37 Brass

Type	Cross-section mm²	Pack Piece	Weight kg/100 pc.	Item no.
AKL 25 E	25	10	5.808	**6049276**

0420

The connection terminal for the mounting of conductor ropes of up to 25 mm² is used for the creation of functional equipotential bonding of the cable support system.
The clamp is centrally screwed into the clamp spring.

Connection terminal, double

CuZn 37 Brass

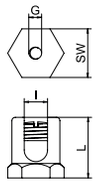
Type	Cross-section mm²	Pack Piece	Weight kg/100 pc.	Item no.
AKL 25 Z	25	10	8.612	**6049277**

0420

The connection terminal for the mounting of conductor ropes of up to 25 mm² is used for the creation of functional equipotential bonding of the cable support system.
The clamp is centrally screwed into the clamp spring and can accept a further conductor rope of up to 25 mm².
The double clamp can be used as a junction for branches and cross-overs.

Earthing terminal with fastening thread

CuZn 37 Brass



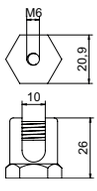
Type	Dimension L mm	Dimension l mm	Cross-section mm²	Thread	Pack Piece	Weight kg/100 pc.	Item no.
EKL 25 M6	22	8	25	M6	50	3.100	**6404006**
EKL 35 M6	26	10	35	M6	50	4.800	**6404014**
EKL 25 M8	26	10	25	M8	50	3.970	**6404001**

0415 /100 pc.

Earthing terminal for fastening the equipotential bonding wire to the cable support system.

Earthing terminal with fastening thread

CuZn 37 Brass



Type	Cross-section mm²	Thread	Pack Piece	Weight kg/100 pc.	Item no.
EKL 35 M6 ISK	35	M6	50	4.800	**6404016**

0415

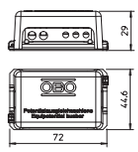
Earthing terminal for the fastening of the equipotential bonding conductor on the cable tray system. Threaded pin M14, Allen key slot with a width of 6 mm.

CuZn 37 Brass

Equipotential busbar for small systems

Type		Pack Piece	Weight kg/100 pc.	Item no.
1809 BG		1	9.000	5015502

0215 /pc.



- Cover made of polystyrene, grey
- Sealable/labellable
- Base plate made of strip galvanised steel
- Contact strip and screws made of nickel-plated brass

Connection options:
- 3 x multi-core cables to 6 mm²
- 2 x multi-core cables to 16 mm²

04 KTS Broschüre BKRS Begehbare Kabelrinnensysteme 2020 / en / 2020/04/24 11:41:52 11:41:52 (LLExport_02722) / 2020/04/24

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Building Connections