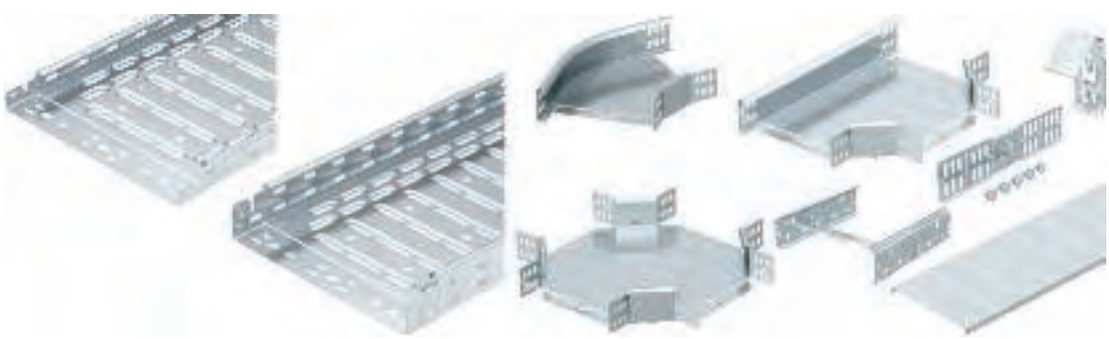
Cable tray systems RKS-Magic®

Cable tray system RKS-Magic® 35 and 60 mm

Cable trays Type RKS-Magic	
Side height:	35, 60 mm
Surface:	FS
Fittings:	According to side heights
Connecting parts	According to side heights
VDE testing	According to DIN EN 61537

The new RKS-Magic® cable tray system permits even faster straight connectors of the cable tray. The innovative, screwless straight connector can be mounted in the blink of an eye. Just connect the ends of the cable tray, lock them in place - and you're done! The long-lasting, static straight connectors can be permanently stabilised by bending the connection flaps. The new RKS-Magic® cable tray is available with the side heights 35 and 60 mm. A comprehensive range of fittings with bends (45° and 90°), tees, add-on tees and cross-overs completes the system. 90° bends and adjustable vertical riser (rising/falling) are available for vertical changes of direction. When installing fittings, always plan additional supports.
Besides the various fittings, the system also includes all types of connectors (straight, angle and adjustable connectors) and additional accessories such as barrier strips, joint plates, mounting plates and covers.
You can find detailed mounting examples and article descriptions on the following pages. The new RKS-Magic® cable tray is tested for function maintenance. You can find comprehensive information on this in our new BSS Fire protection systems catalogue.

System components



Cable tray, connectors, fittings, edge protection, covers

Centre suspension application

Direct centre suspension with threaded rod, type 2078/M10. This mounting variant is possible for RKS cable trays of width 50 to 200 mm.

Ceiling mounting application, U support and bracket

Standard mounting of a cable tray with support, type US.., and suitable support bracket, type AW.

Wall mounting application with bracket

Standard cable tray mounting on the wall with wall and support brackets.

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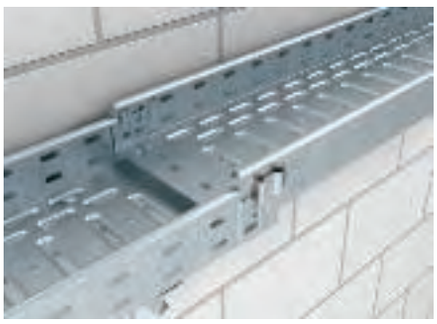
Straight connection, cable tray interconnection

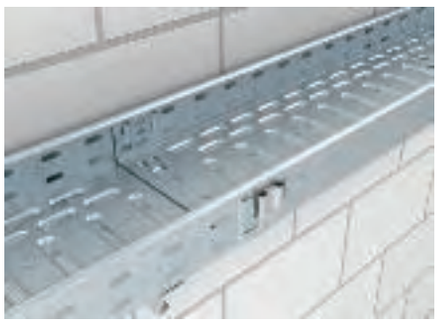
The simple straight connection is created by simple connection of the cable trays. Please observe the mounting direction.

Straight connection, cable tray interconnection



The ongoing cable tray is inserted from above from the existing sleeve opening.

Straight connection, cable tray interconnection



The optimum straight connection is confirmed by an audible click. Then, use a screwdriver, to turn over the connection lugs in the bottom - and you're done.

Straight connection, cable tray interconnection

It is possible to turn over the connection flap in the floor of the cable tray using a usual screwdriver.

Slackening the connection

Of course the connection can be loosened again. To do this, simply push a screwdriver under the spring element. This releases the lock function.

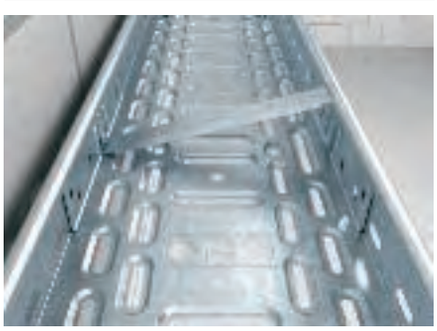
Connection of the cut end with the interconnection end

Cut ends and the sleeve side are connected using a conventional screw connection.

Installation of RV connector set

The connector set RV 60 ... is used for cut ends. Simply clamp the two side sections in the side rail.

Installation of RV connector set



Push the corresponding joint plate down until it has locked in place - and you're done.

MWAM bracket with quick connector

For quick fastening of the cable tray on the bracket, the pre-equipped bracket, MWAM 12, is mounted on the wall or support.

Quick fastening of cable tray on the bracket

The quick fastening is aligned towards the bottom perforation. The cable tray is laid with the perforation on the quick fastening and then aligned.

Quick fastening of cable tray on the bracket

The quick fastening is pushed upwards and turned through 90°. After locking, the quick fastening is fastened permanently by tightening it.

Screwless barrier strip fastening

Screwless installation of the barrier strip TSG 60/S with the clamp KS RKS. The barrier strip can be run over the joint without any handling.

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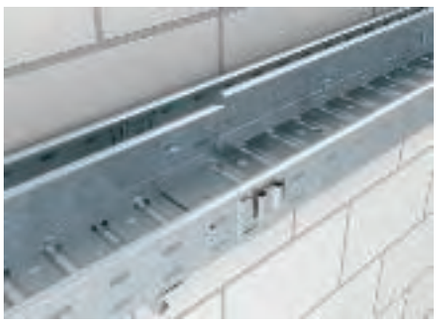
Barrier strip fastening with screw connection

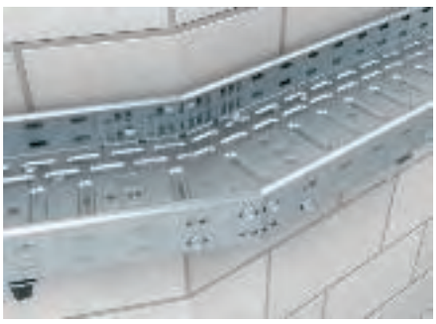


Screwed barrier strip fastening of the barrier strip , TSG 60, with truss-head screws M6x12. The barrier strip can simply be run over the joint.

Floor fastening

Floor fastening at a distance with stand off bracket, type DBL.

Horizontal angle connection of cable trays



Horizontal angle connection of cable trays for brackets created during construction and cut cable tray ends.

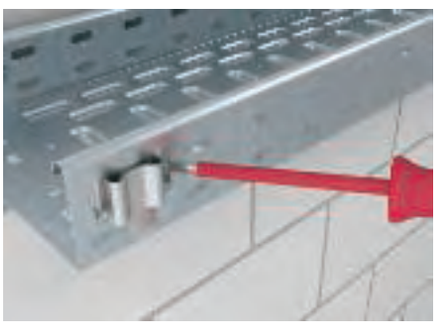
Vertical adjustable connection of cable trays

Vertical adjustable connection of cable tray for construction-side height jumps of any angle.

Width change and end closure

Illustration of a width change through the installation of the reducer. This component allows the implementation of an end closure of cable trays.

Removal of the spring element



Before connecting fittings, please remove the spring element as shown. The fitting (from width 400 mm) or a cut cable tray is connected with regular straight connectors or the straight connector set.

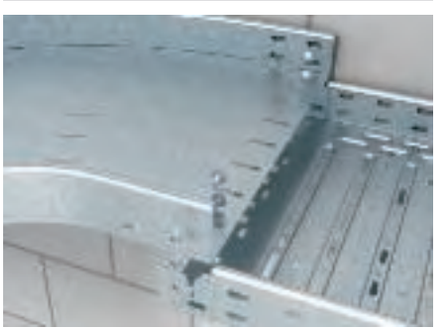
Installation of bend (width 100 - 300 mm)

With uncut lengths, remove the spring elements on the cable tray, push the bend into the tray on one side and, on the other side, over the connector and fasten it with truss-head screws, type FRSB 6 x 12 mm. With cut lengths, always place the sleeveless side on the fitting.

Installation of bend (width 400 - 600 mm)

The bend is mounted without joints from a width of 400 mm. For this, the spring elements are removed from new cable trays. The cable tray is screwed to the bend using straight connectors (straight connector set) and the joint plate. Please order connecting material separately.

Fitting, width 400 - 600 mm, with cable tray sleeve



The cable tray sleeve side is connected to fittings of > 400 mm width conventionally using truss-head screws of type FRSB 6x12 mm.

Installation of add-on tee (width 100 - 300 mm)

With uncut lengths, remove the spring elements on the cable tray, push the add-on tee into the tray on one side (on two sides on outgoing side) and, on the other side, over the connector and fasten it with truss-head screws, type FRSB 6 x 12 mm. With cut lengths, always place the sleeveless side on the fitting.

Installation of add-on tee (width 400 - 600 mm)

The add-on tee from a width of 400 mm is mounted without joints. For this, the spring elements are removed from new cable trays. The cable tray is screwed to the add-on tee using straight connectors (straight connector set) and the joint plate. Please order connecting material separately.

Installation of vertical add-on tee (bottom view)

Vertical mounting of the add-on tee as lengthwise funnel. Perforation in the cable tray is created on site. For widths > 400 mm, please order connectors separately.

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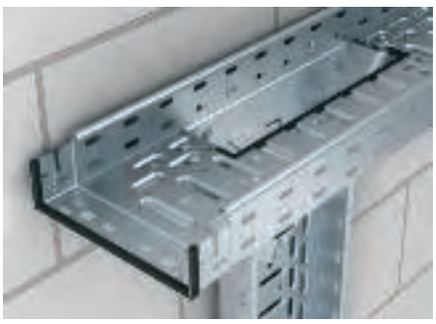
Installation of vertical add-on tee (top view)



Vertical mounting of the add-on tee as lengthwise funnel. Perforation in the cable tray is created on site. For widths > 400 mm, please order connectors separately.

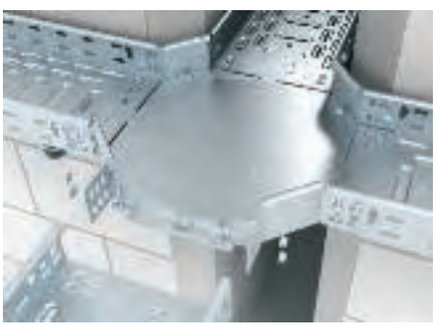
Installation of tee (width 100 - 300 mm)

With uncut lengths, remove the spring elements on the cable tray, push the tee into the tray on one side (on two sides on outgoing side) and, on the other side, over the connector and fasten it with truss-head screws, type FRSB 6 x 12 mm. With cut lengths, always place the sleeveless side on the fitting.

Installation of tee (width 400 - 600 mm)

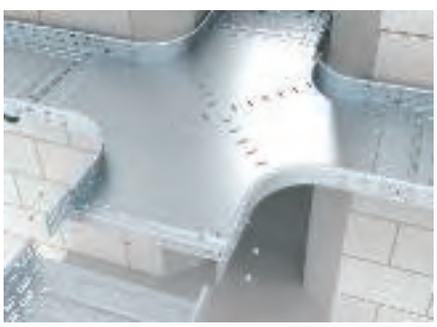
The tee from a width of 400 mm is mounted without joints. For this, the spring elements are removed from new cable trays. The cable tray is screwed to the tee using straight connectors (straight connector set) and the joint plate. Please order connecting material separately.

Installation of cross-over (width 100 - 300 mm)



With uncut lengths, remove the spring elements on the cable tray, push the cross-over into the rail of the cable tray and fasten it with truss-head screws, type FRSB 6 x 12 mm. With cut lengths, always place the sleeveless side on the fitting.

Installation of cross-over (width 400 - 600 mm)



The cross-over is mounted without joints from a width of 400 mm. For this, the spring elements are removed from new cable trays. The cable tray is screwed to the cross-over using straight connectors (straight connector set) and the joint plate. Please order connecting material separately.

90° bend (rising/falling)

The 90° vertical bend is pushed over the rail of the cable tray and bolted with truss-head screws, FRSB M6x12 mm. The cover is placed on loosely and fastened using the incoming cable tray lid.
The cover clamp DKU can be used for additional fastening.

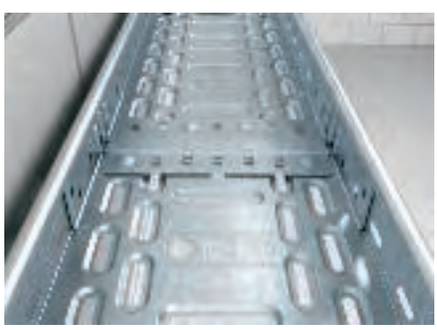
Installation of rising adjustable vertical bend

Adjustable vertical bend to bridge height offsets or when changing from horizontal to vertical. The adjustable vertical bend is fastened to the cable tray directly using the adjustable connectors.

Installation of falling adjustable vertical bend

Installation of the adjustable vertical bend, falling, to bridge height differences and changes from the horizontal to the vertical.

Joint reinforcement



Installation of the joint plate, type SSLB, for safe connection of cut cable trays or when mounting fittings. The SSLB joint plate can be installed above the joint plate of the quick connector set.

Installation of bottom end plate

The bottom end plate is fastened to the end of the cable tray. It is used to protect outgoing cables.

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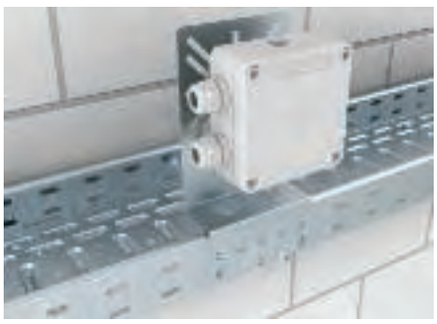
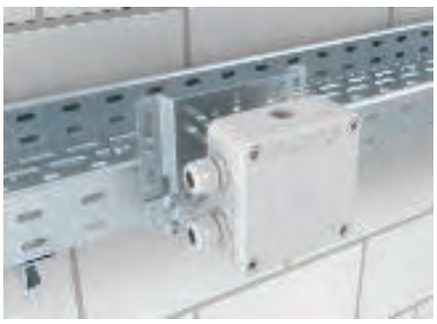
Mounting plate with quick fastening



Fastening of the mounting plate, type MP, on the side rail of the cable tray. The mounting plate can be fastened to the rail with quick connectors, and permanently fastened using truss-head screws of type FRSB 6x12 mm.

Universal mounting plate



The MP UNI mounting plate is fastened on the side rail of the cable tray using a truss-head screw.

Installation of cover with turn-buckle.

Cover with turn-buckles are fastened by turning the turn-buckle through 90°. Clamp fastening takes place under the rolled side rail of the cable tray.

Screwless cover fastening with cover clamp

Screwless cover mounting takes place with covers and the cover clamps, type DKU. The cover clamp is simply fixed in the perforation of the cable tray.

Installation of cover for fitting

The fitting lid is installed using turn-buckles. To fit it, turn the turn-buckle through 90°.

Edge protection strip for plate ends

The edge protection strip can be used to cover the edges of plates. When selecting the strip, please take the appropriate plate thickness into account.

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