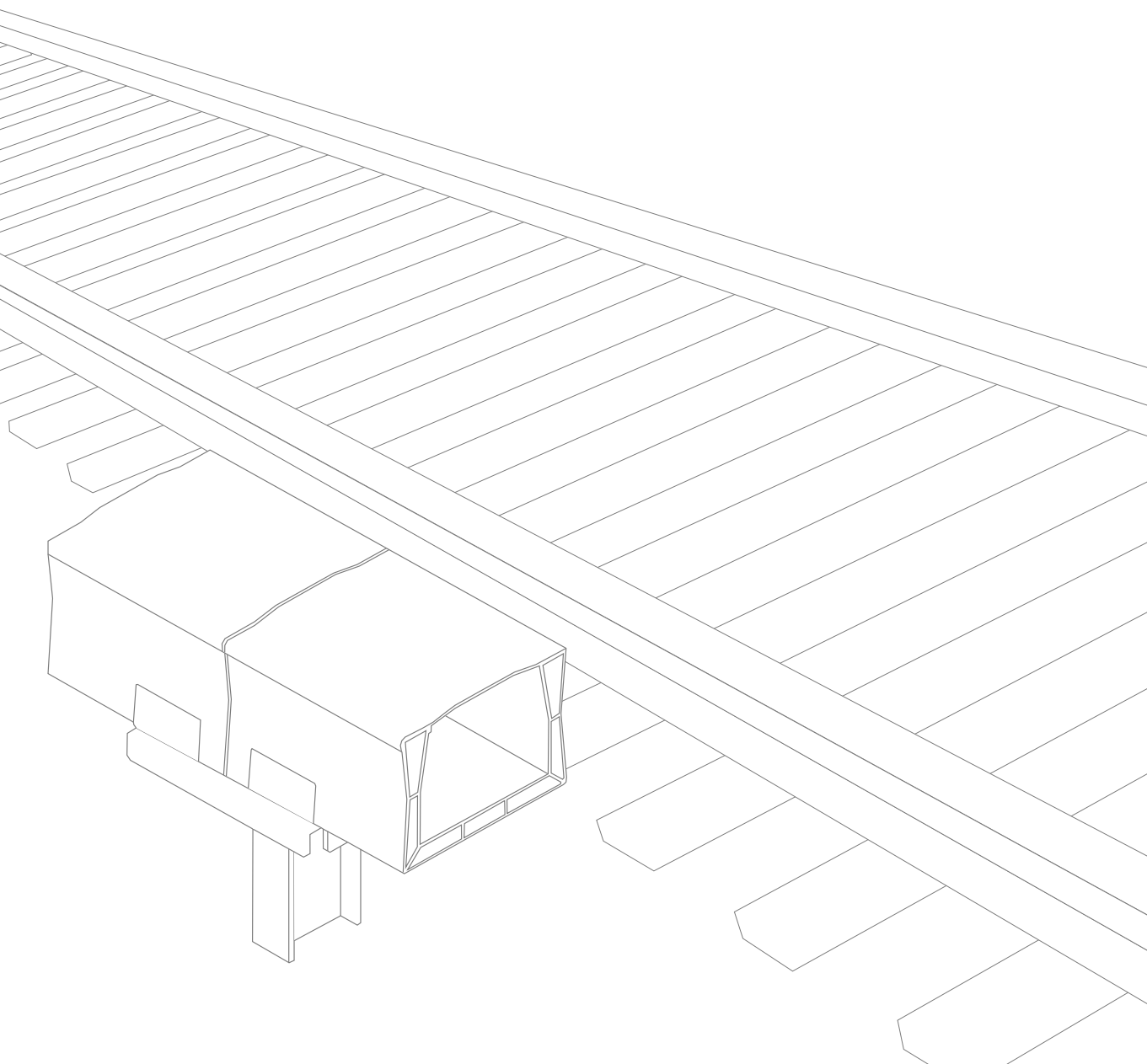


MEISER®



GRP

Cable Management



What sets us apart

MEISER is one of the world's leading manufacturers of grating, profile planking and staircases. Further products such as fall protection mats and special products complete the product portfolio.

In addition, the company has also been working with fiber composites at its Oelsnitz site in the Vogtland region for decades.

Construction products made of fibre-reinforced composites are becoming increasingly important in structural engineering at Deutsche Bahn AG. Products made of glass fibre reinforced plastic (GRP) play a special role in this context.

MEISER develops & supplies system solutions in this sector, and we are your competent partner from tender preparation to execution.

Of course, we fulfil all requirements in connection with the manufacturer-related product qualification (HPQ) according to the standard DBS 918 010.



Designed and tested for you

- Tested quality by our partners:
IMA GmbH Dresden, TÜV Rheinland LGA Bautechnik GmbH
- Electrically insulating - no grounding required
- Low maintenance costs
- Simple assembly & adaptation to difficult local circumstances

GRP CABLE ROUTING SYSTEMS FOR RAILWAY-SPECIFIC APPLICATIONS (RAILWAY INFRASTRUCTURE)



Stand-up cable tray ECMS 2 according to DB Netz I.NPS 222

The MEISER stand-up cable tray system ECMS 2 made of glass fibre reinforced plastic (GRP) according to the current specification document from 31 August, 2015, is used for the intake, guidance and protection of signal-, telecommunication-, control- and outer power cables along railway lines.

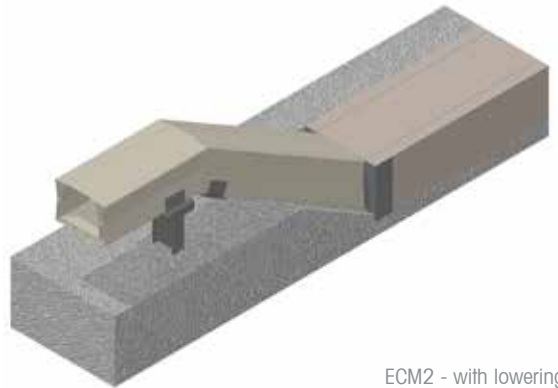
It is used as an alternative to underground concrete and plastic cable trays and due to its low weight and easy assembly it is especially suitable for the installation in difficult terrains.



ECM2 - straight

Qualities

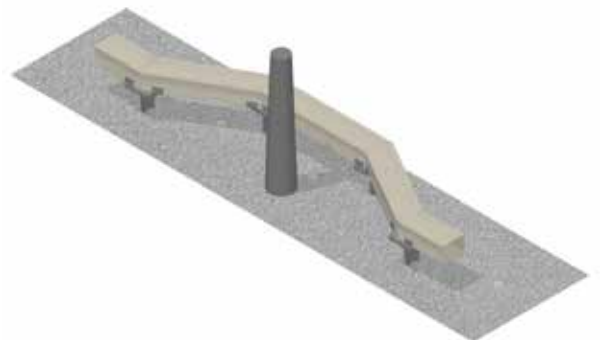
- System length: up to 6000mm self-supporting
- cross section: > 30.000mm²
- Trunking and cover made of GRP according to EN 13706 halogen-free
- Supports, bearings and add-on parts are made of hot-dip galvanised steel by default in accordance with DIN EN ISO 1461
- Optionally in stainless steel 1.4301 V2A
- No earthing required
- Maintenance-free
- Payload: 0.9 kN/m
- Man load 0.75 kN in the centre of the field
- Snow load on ground 2.4 kN/m² plus snow loads due to snow gliding, crawling on slopes and snow removal
- Horizontal wind load 1.45 kN/m², as well as pressure and suction from railway traffic



ECM2 - with lowering

Advantages

- High economic efficiency
- Extremely quick to install
- Minimum tool requirements / no special tools
- Floating mounting
- Individually adaptable due to a large number of special components
- High mechanical strength and rigidity
- Weather and corrosion resistant
- Low weight



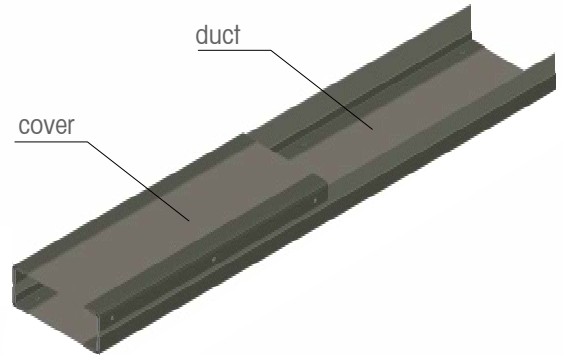
ECM2 - rerouting

Cable duct BKK for bridge constructions according to S-KAB 21

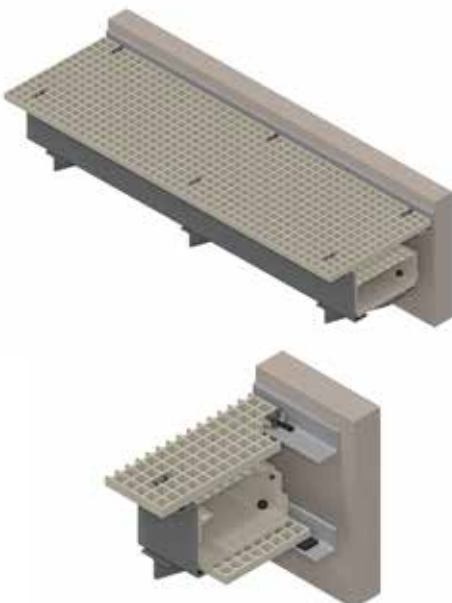
Variable cable duct for installation in a walkway console with grating covering

- Length: up to 4000mm
- Clear width: 110mm to 500mm
- Clear height: 53mm to 200mm
- Weight: 3.1 kg/m to 5.8 kg/m
- Substructure according to S-Kab in GRP or galvanised steel
- Grating for walkway console in GRP or galvanised steel

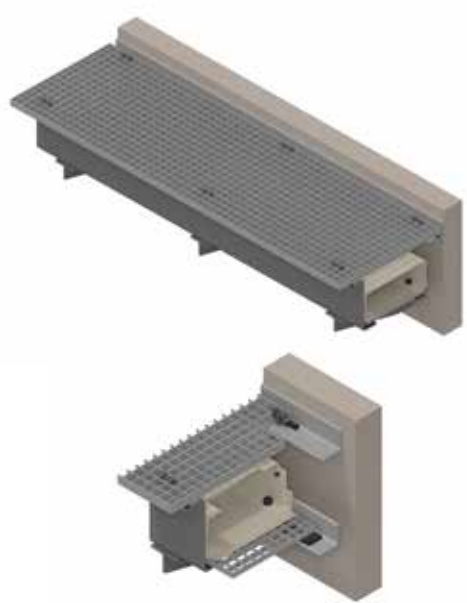
Cable duct is available with or without cover.



S-KAB 21 - GRP



S-KAB 21 - press locked grating



Special constructions such as cable slapsticks made of GRP

Cable racks

Individual components for cable routing can be designed and supplied based on the extensive range of EBA-approved GRP construction profiles and GRP grating.



both pictures
Cable bridge EÜ, Hamburg

Contact persons

In order to be really close to your wishes and needs, MEISER trusts in an old but proven sales strategy: personal support.

Rely on short ways and rely on reliable contacts who will advise you with experience and expertise, show you solutions and also stand by your side immediately if things do not go smoothly. We believe this is the only way to ensure that your needs are met.

We will not leave this path, because it is the path of quality and reliability that begins with the products and does not end with customer care.

Our team will be happy to assist you.

MEISER Sweden AB

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423 37 Torslanda

Tel +46 (0) 10 458 00 00

E-Mail info@meiser.se

www.meiser.se



Certificates



Herstellerbezogene
Produktqualifikation

HPQ nach DBS 918 010

Technische Lieferbedingungen für die Ausführung von Komponenten aus Glasfaserverstärktem Kunststoff (GFK).

Der Hersteller

Meiser Vogtland OHG
Am Lehmteich 3
08606 Oelsnitz

ist qualifiziert nachfolgende Produkte / Halbzeuge aus GFK in Serienfertigung herzustellen und zu liefern:

- ☒ **Gitterroste**
Nr. der EBA-Zulassung: 21.51-21 izbia/026-2101#023-(027/16-Zul)
Gültigkeit bis: 31.01.2022
Nr. der Anwendererklärung: - ohne -
- ☒ **Konstruktionsprofile**
Nr. der EBA-Zulassung: 21.51-21 izbia27-2101#004-(032/16-Zul)
Gültigkeit bis: 30.04.2023
Nr. der Anwendererklärung: - ohne -

Verwendetes Herstellerzeichen: (ohne)

Diese Bescheinigung bestätigt, dass die Anforderungen der DBS 918 010 für o.g. Komponenten aus Glasfaserverstärktem Kunststoff im Rahmen des Herstellerbezogene Produktqualifikation (Dokumenten- und Betriebsprüfung) geprüft und die erforderlichen Nachweise erbracht wurden.

- Einschränkungen:
- a) Der Einsatz der Komponenten ist auf den in dem jeweiligen Verwendbarkeitsnachweis (EBA-Zulassung) bzw. den in der zugehörigen Anwendererklärung (TM) genannten Anwendungsbereich beschränkt.

b) Die Produkte sind bei den während der Betriebsprüfung begutachteten Zulieferern zu beziehen (s. Seite 2 dieser Urkunde)
- keine weiteren Eintragungen

Gültigkeit: Wiederholungsqualifikation befristet bis 31.07.2021

Beginn: 01.08.2018

Gültigkeitsdauer: Diese Bescheinigung gilt nur auf der Grundlage eines gültigen Verwendbarkeitsnachweises des Eisenbahnundesamtes (EBA) und so lange wie sich die Bestimmungen der oben genannten DBS, die Herstellungsbedingungen im Werk und / oder die werkseigene Produktionskontrolle nicht wesentlich verändert haben (s. Seite 2 Allgemeine Bestimmungen).

Allgemeine Bestimmungen zur Beachtung: s. Rückseite dieser Urkunde

Deutsche Bahn AG
Beschaffung Infrastruktur
Qualitätssicherung GS.EI21

Berlin, 01.08.2018

i.V.

T. Müller

i.V.

K.-P. Dittmar

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250 / 08.2018
