

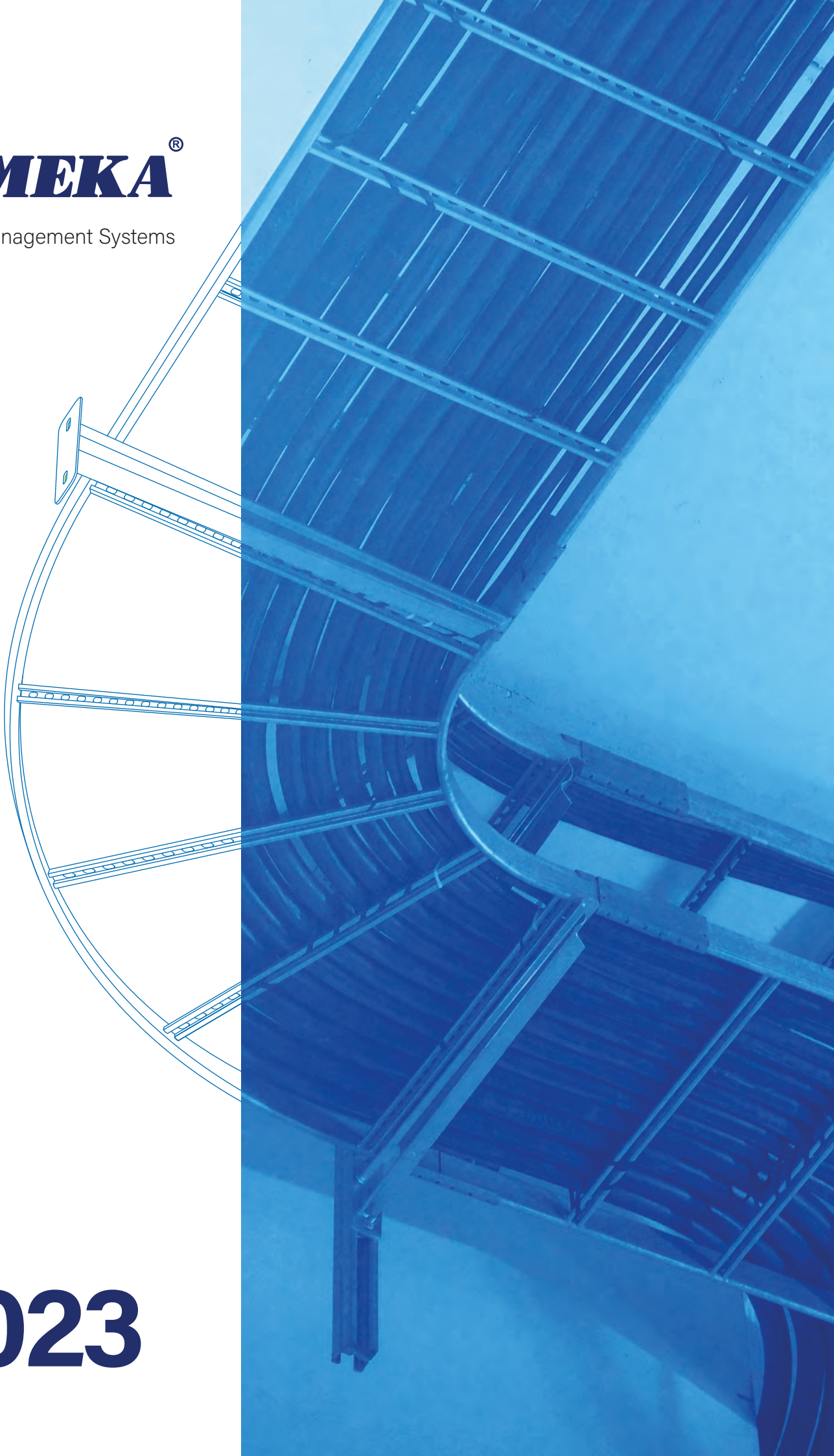


Cable Management Systems



PRODUCT CATALOGUE

2023



Durable Cable Management Systems for Over 40 Years

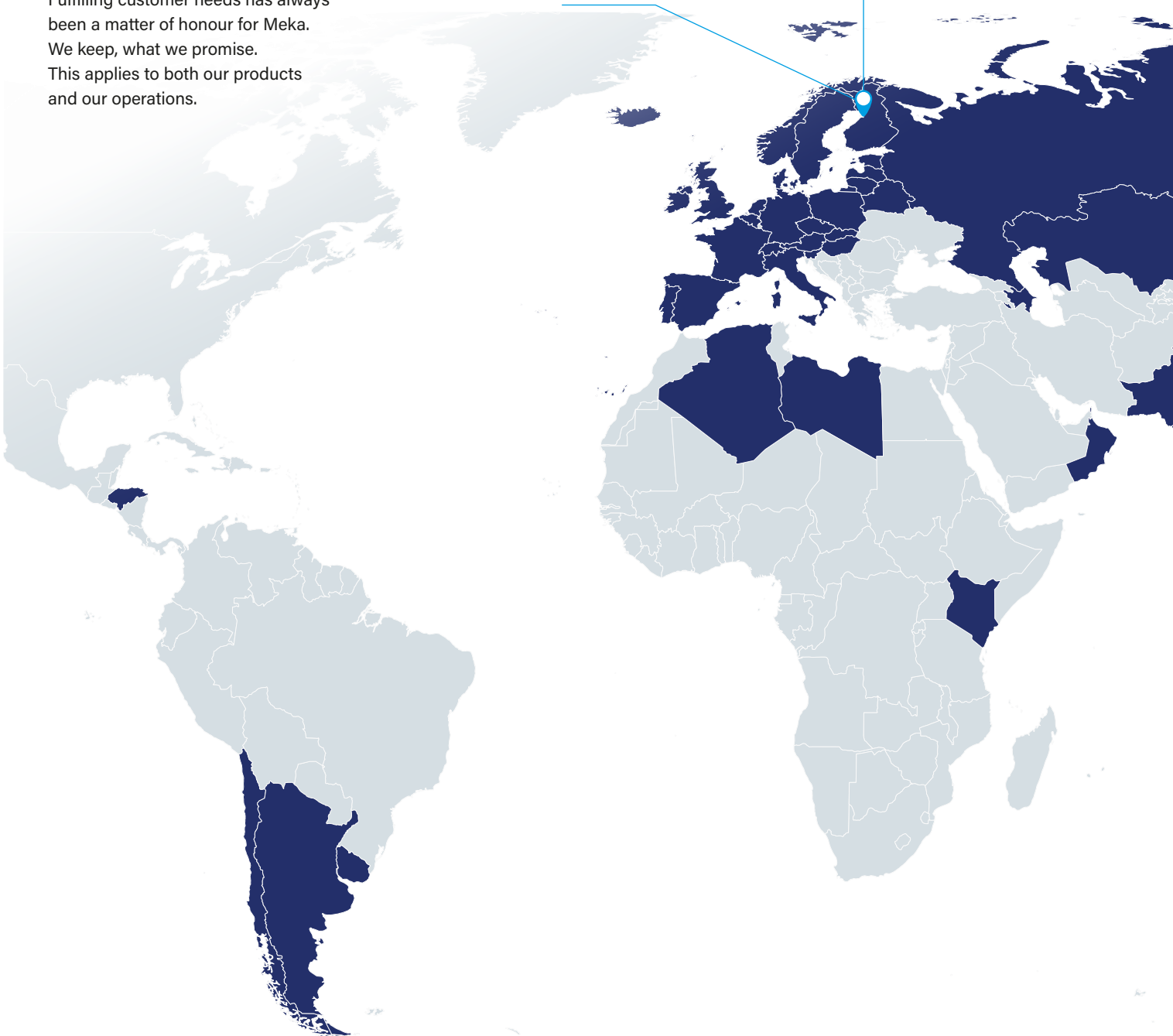
Meka Pro Oy is a Finnish family-owned business, which manufactures long life cycle cable management systems.

The company has nine sales offices and a certified testing laboratory. It directly employs around 150 professionals. Meka now has employees in 6 countries and Meka has already delivered its products to its partners and customers in more than 80 countries.

Fulfilling customer needs has always been a matter of honour for Meka. We keep, what we promise. This applies to both our products and our operations.



Oulu





Customer Service

Orders and Logistics

+358 207 450 875
export.orders@meka.eu
baltic.orders@meka.eu

Sales

Sales Director / Finland

+358 207 450 823

Regional Sales Director / Baltics

+358 207 450 800

Regional Sales Manager / Scandinavia

+358 207 450 800

International Project Sales

+358 207 450 800

Technical Support

technicalsupport@meka.eu

Product Managers

Cable Ladders
+358 207 450 861

Cable Trays and Wire Mesh Trays
+358 207 450 809

Lighting Support Rails,
Cable Trunking and Socket Poles
+358 207 450 866

Quality Manager

+358 207 450 859
quality@meka.eu

Meka Pro Oy

Konetie 25, FI-90620 Oulu, Finland
+358 207 450 800
meka@meka.eu
www.meka.eu



Contact details
www.meka.eu

Complete Cable Management Systems



Cable Ladders page 1-1

KS20 K

The little giant of cable ladders for commercial building and light industry.

KS20

Multipurpose cable ladder with a medium load for all atmospheric-corrosivity categories.

KS60

Cable ladder for heavy loads in building technology solutions and medium loads in industrial solutions.

KS100

Multipurpose cable ladders with high edges for wide spans and perforated side profile. Atmospheric-corrosivity categories up to C4.

KS80

Industrial cable ladder for heavy industrial load in atmospheric-corrosivity categories up to CX.

KSF80

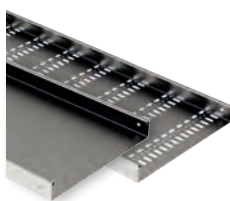
Cable ladder for heavy loads and wide span. Atmospheric-corrosivity categories up to CX.

KS80 SP2.0

Reinforced industrial cable ladder for the heaviest loads.

KSE80

Food industry cable ladder.



Cable Trays page 2-1

KRA

Non-perforated cable tray. Typically used in office and commercial buildings, schools, hospitals and shopping centres.

KRB

Perforated cable tray. Typically used in office and commercial buildings, schools, hospitals and shopping centres.

KRC

Low-edge perforated cable tray for low-voltage and optical cables.

KRV

Flat lighting support rail with perforation line for installation of luminaires, cables and other devices. Typically used in office and commercial buildings, schools, hospitals, shopping centres and parking garages.



Wire Mesh Trays page 3-1

WMT

Easy to modify, enabling optimal space usage. Typically used in office buildings, food, ICT, chemical and renewable energy industries.

With Meka® you can design and implement cable management systems safely, with high quality, cost-effectively and on time.



Lighting Support Rails page 4-1

MEK®

Comprehensive lighting support rail system. Options from wide to narrow light support rails and for all atmospheric-corrosivity categories. Typically used in office and commercial buildings, schools, hospitals, shopping centres and parking garages.

AluMEK

Lightweight and rigid aluminum lighting support rail especially for office and commercial buildings, shopping centers and schools.



Cable Trunking page 5-1

INSTAL®

Aluminum cable trunking.



Socket Poles page 5-33

INSTAL SP

Aluminum socket poles and feeder poles.



BIM-objects of MEKA® cable management systems are available for several data model software.



BIM data models of Meka's Cable Management Systems available for several design software applications. Please contact us to request the models you need:
technicalsupport@meka.eu

2D models in DWG format
3D models in STP format
Autodesk™ Revit models

Meka for industrial sites designed products can be found in the product library of Aveva™ E3D Design



Meka Pro Oy

As a partner, Meka Pro provides the most reliable cable management solutions for all its customers' needs. Meka Pro's solutions allow customers to plan and implement their projects in a safe, high-quality and cost-effective manner, and always on schedule.

Safe and Certified Products

Safe cable management products and solutions are at the core of responsibility. In recent years, Meka Pro invested heavily in scientific testing for its products. In June 2019, Kiwa Inspecta granted Meka Pro Oy's testing equipment, and its results, an IEC 61537 certificate. The product data, load charts and load-bearing data have been updated to meet the latest IEC 61537 standard requirements. Meka Pro has a cable management system with an IEC 61537 certified planning, manufacturing and testing process.

The Measurement Results Correspond to Reality

Following the IEC 61537 standard's requirements ensures that Meka Pro products and test measurements are true to life. Our test results are replicable, and comparing them to other products that are tested in the same manner is possible. In this way, our customers know exactly what they are getting. Reliable test results make it possible for Meka Pro and its customers to optimise their cable management systems to their exact needs and requirements. In this way, customers can always choose the safest, most cost-effective solution. Optimised solutions when safety is assured also translate to cost savings for our customers, make the products easier to install, and are friendlier to the environment.

Tested and Verified Fire Safety

Fire safety and fire resistance are another vital part of modern and responsible electrical planning and installation. Meka Pro has tested and continues to test its products and cable management systems fire resistance with the cable installed and connected according to the temperature curve in the EN 1363-1 standard. Meka Pro's manufacturer assurance is based on tests that are carried out, not just on simulated structural integrity formulas. Meka Pro's more than 1200 fire-tested standard products always enable excellent, cost-effective and fire-resistant installation.

Nordic Strength

Meka Pro is proudly Finnish and has been granted the Key Flag Symbol. We provide employment and opportunities, maintain expertise and product development in Finland, and strive to mainly use Finnish materials. Our entire experienced and professional personnel is at your service to optimize the cable management solutions for your particular and specific needs. By choosing MEKA®, you get safe, secure, and cost-effective planning and implementation of your project.

Choosing The Right Cable Management System

Planning and selecting your cable management system is a precise process to maximise the system's operational life and safety.



We will be happy to help you to select the optimised solution for the right sites and to make sure that your project is completed on schedule and cost-effectively.

Please do contact us
+358 207 450 800,
meka@meka.eu

Factors affecting the planning and selection include:

1 Atmospheric-Corrosivity Category (C1-CX)

Determining a site's atmospheric-corrosivity category helps to choose the appropriate material and surface treatment for the cable management system. See pages 10 and 11 for the atmospheric-corrosivity category table with explanations.

Recommended surface treatments and materials:

C1-C2

- Electro-galvanised steel (EG)
- Pre-galvanised steel (PG)
- Paint-coated products (M and B)

C3-C4

- Hot-dip galvanised products (HDG)
- XPG-coated steel (XPG)

C5-CX

- Acid-proof steel (HST)

2 Cable Load (kg/m) and Span (m)

Distance between supports (span) should be defined according to loading and deflection in the middle of span. Stronger product and lower weight allow longer spans but higher load requires shorter spans. The right calculation and selecting a suitable product give significant efficiency in costs.

Detailed load information is available in this product catalogue.

3 Fire Resistance Requirements of the System

Fire-resistant installation of MEKA® products is carried out with separate instructions. The instructions can be downloaded at www.meka.eu.

Product width, span, maximum load and the installation method are limited for fire-resistant installation.

Approved installation methods are set for each product family separately.



Examples of Supports and Safe Working Load (SWL)

Product-specific load details, including safe working load (SWL), must be verified from the product's load chart.

Cable Ladders

110 kg/m
4-metre span
• KS100, KSF80 and KS80 SP2.0

50 kg/m
4-metre span
• KS80 and KS60

40 kg/m
4-metre span
• KS20

20 kg/m
4-metre span
• KS20 K

Cable Trays

20 kg/m
3-metre span
• KRA and KRB

Wire Mesh Trays

10 kg/m
2-metre span
• WMT

Lighting Support Rails

40 kg/m
3-metre span
• MEK 70 and MEK 110

30 kg/m
3-metre span
• MEK 70 K

15 kg/m
3-metre span
• MEK 70 S

Load Testing

IEC 61537

Meka Pro measures the safe workload of the cable management systems and corresponding deflection in accordance with the IEC 61537 standard. The safe workload (SWL) is a load [kg/m] that creates a deflection of 1/100 in the span, or if a 1/100 deflection is not achieved, it is the force that creates a permanent deformation divided with the safety factor, which is 1.7.

According to the standard, a safe workload may not cause visible (incl. corrective vision but without magnification) damage or cracking to the cable management systems, including its joints and attaching parts. The cable management systems must return to their original state after the safe workload has been removed.

Comparable Load Results

Meka Pro's stated load results have been measured with a calibrated testing device. Meka Pro's testing method is certified according to the standard IEC 61537. Meka Pro's load results are comparable with results from other cable management systems measured with the same method.

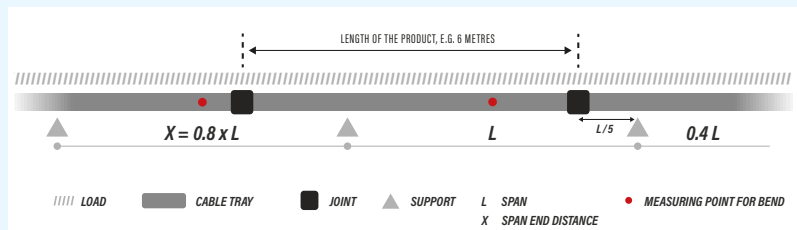
Ensure the Load Bearing Capacity of the Entire System

Cable management systems also include other parts than cable ladders and trays, which means the weakest point of the system may be some other part than a cable ladder or tray. For example, the allowed load for a support may be smaller than that of the attached cable ladder. The IEC 61537 standard also includes instructions for testing support strength.

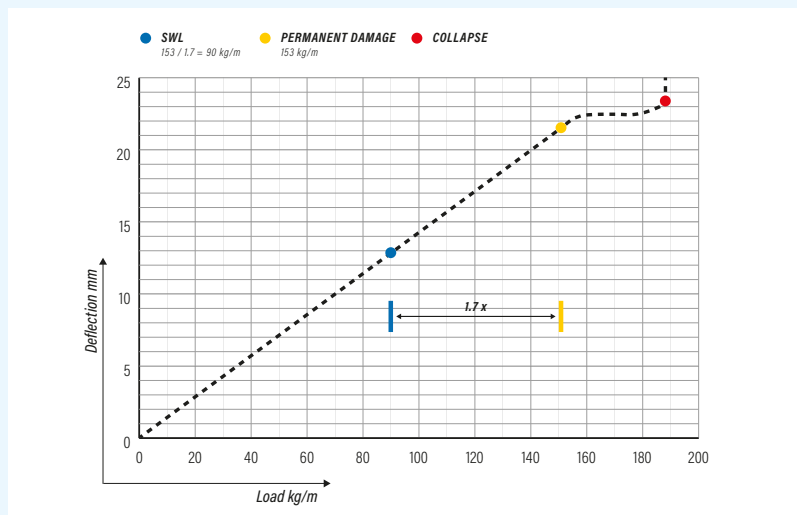
Flexibility in the system may also limit the load on the cable management system, despite the longer parts and supports being able to support a greater load. The IEC 61537 standard only allows a deflection that is 1/100 of the span. This consideration is present in Meka Pro's load diagrams.



Products tested according to the standard allow the customer to compare systems with each other. The picture above shows the cable ladder being tested for the safe workload with the calibrated test device in Meka Pro's testing laboratory.



In Meka Pro's tests, in accordance with test type 3, the joint is at 1/5 of the span from the support, and the span end distance is 4/5 of the span length.



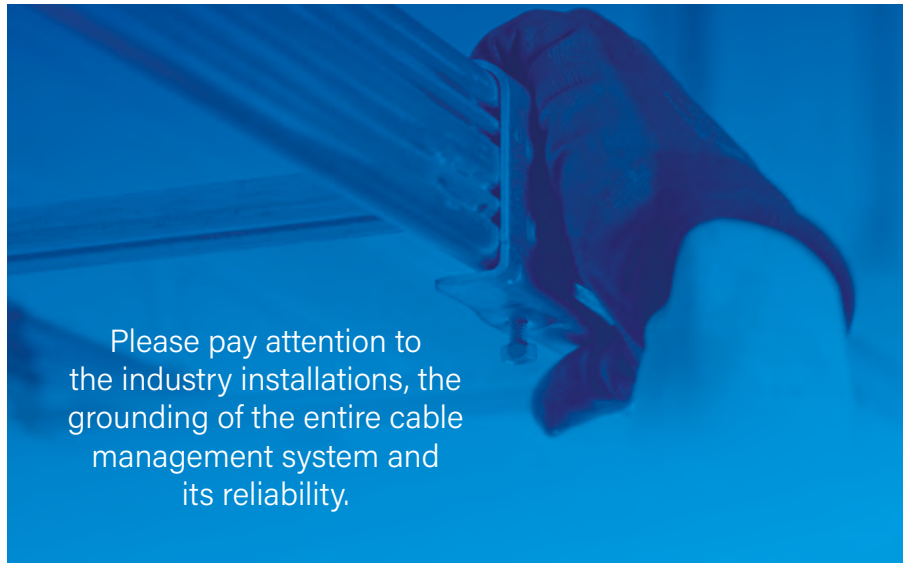
According to the standard, a safe workload may not cause visible (incl. corrective vision but without magnification) damage or cracking to the cable management system.

Earthing and Potential Equalisation

IEC 61537

Primary potential equalisation is required for each building. The purpose of primary potential equalisation is to prevent dangerous voltage differences between conducting components that could be handled simultaneously. Potential equalisation is a process wherein components that are exposed to voltage or are otherwise conductive are connected to the same potential, which eliminates the difference in potential.

Generally, the building's metal pipelines (HVAC), structural metal parts, and primary structural concrete reinforcements are connected to the equalisation system in the applicable parts. Metal cable management systems may also be considered structures that should be included in the potential equalisation system.



Protective Earthing and Potential Equalisation for Cable Trunkings

Aluminium cable trunking systems do not generally require protective earthing or a connection to the potential equalisation conductor. In some customer-specific cases, protective earthing or potential equalisation

may be required in aluminium cable trunking, for example to avoid electrical interference

In some customer-specific cases, protective earthing or potential equalisation may be required in aluminium cable trunking, for example to avoid electrical interference.



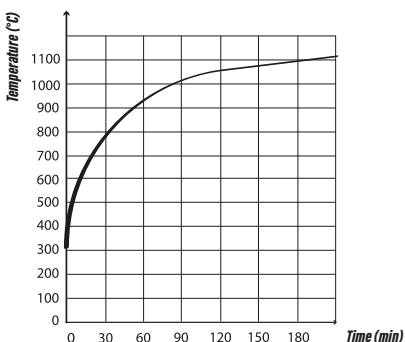
Product group specific potential equalisation results are found at the beginning of each product section.

Fire Resistance

EN 1363-1

Meka Pro regularly tests the fire resistance of its products to ensure high-quality and safe cable management systems. The products are tested extensively and using several different installation methods in independent testing laboratories.

Meka Pro cable management systems are always tested together with the cables connected to the circuit at a temperature in accordance with the standard EN 1363-1.



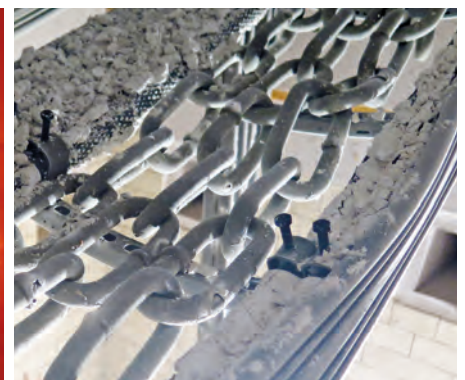
Test environment temperature curve according to EN 1363-1.



Detailed instructions on fire-resistant installation are available on Meka Pro Oy's website












www.meka.eu



Surface Treatment Options

The choice of surface treatment for the products should be made based on the conditions on the site. MEKA® product names include a code to indicate their surface treatment, e.g. KS20-200 L=6000 **PG**.

Plastic	M 	B 	AD 	AL 
White or colored plastic	Paint-coated product Colour white RAL 9010	Paint-coated product Colour black RAL 9005	Anodised aluminium Standard colour natural grey EN000	Aluminium
Atmospheric-Corrosivity Category C1-C2 Standard -	Atmospheric-Corrosivity Category C1-C2 Standard EN 10169 (steel products)	Atmospheric-Corrosivity Category C1-C2 Standard EN 10169 (steel products)	Atmospheric-Corrosivity Category C1-C2 Standard -	Atmospheric-Corrosivity Category C1-C2 Standard EN 573-3
Plastic products are made of through-dyed plastic granules, by either injection moulding or extrusion. Plastic products are not surface treated after manufacture.	Paint-coated products may be e.g. <ul style="list-style-type: none"> Pre-galvanised and painted steel products Steel or aluminium products that have been painted after manufacture <p>Polyester paint is used on steel and aluminium products, as its weather, corrosion and wear resistance properties are good.</p>	Paint-coated products may be e.g. <ul style="list-style-type: none"> Pre-galvanised and painted steel products Steel or aluminium products that have been painted after manufacture <p>Polyester paint is used on steel and aluminium products, as its weather, corrosion and wear resistance properties are good.</p>	Anodised aluminium products are made of pre-anodised aluminium preform sheets, or the anodisation is applied to the final product. A protective oxide layers has been generated on the surface of anodised aluminium with anodising solution and an electrical current. This results in a hard surface that is resistant to wear.	Aluminium products are made of aluminium alloy with an extrusion machine. The products are not surface-treated separately after being manufactured.

EG 	PG 	HDG 	XPG® 	HST 
Steel, galvanised after manufacture	Pre-galvanised steel	Steel that has been dipped in molten zinc after manufacture (dip-galvanised)	Hot-dip galvanised, specially coated steel	Acid-proof stainless steel AISI 316L
Atmospheric-Corrosivity Category C1-C2 Standard EN ISO 2081 Zinc layer strength on average 5-8µm	Atmospheric-Corrosivity Category C1-C2 Standard EN 10346 Zinc layer strength on average 20µm	Atmospheric-Corrosivity Category C1-C4 Standard EN ISO 1461 Zinc layer strength on average 45-55µm	Atmospheric-Corrosivity Category C1-C4 Standard EN 10346	Atmospheric-Corrosivity Category C1-CX Standard EN 10088
Electro-galvanised products are made of non-surface-treated steel. The final product, such as a whole wire mesh tray or an attaching part thereof is pre-treated and galvanised in an electrolytic basin. The zinc layer covers all surfaces of the product, including cutting surfaces and welding seams.	Pre-galvanised steel products are made of steel that is already galvanised. These products may also be called pre-galvanised, continuously galvanised or Sendzimir-galvanised.	Hot-dip galvanised products are made of non-surface treated steel. The final product, such as a whole cable tray or an attaching part thereof is pre-treated and dipped in molten zinc. These products may also be called dip-galvanised. The zinc layer covers all surfaces of the product, including cutting surfaces and welding seams.	XPG® products are made of zinc-based special alloy coated steel. The special mixture forms a thin and tight film on the coating, which improves corrosion protection. Corrosion protection is based on cathodic and mechanical protection.	Acid-proof stainless steel products (HST) are made of acid-proof steel. Welded products are pickled after manufacture.

Corrosion Classification

EN ISO 12944

C1	C2	C3	C4	C5	CX
Very low	Low	Medium	High	Very high	Extreme
Outdoors Not for outdoor use.	Outdoors Atmospheres with a low level of pollution: mostly rural areas.	Outdoors Urban and industrial atmospheres, moderate sulfur dioxide pollution; coastal areas with low salinity.	Outdoors Industrial areas and coastal areas with moderate salinity.	Outdoors Industrial areas with high humidity and aggressive atmosphere, and coastal areas with high salinity.	Outdoors Offshore areas with high salinity, industrial areas with extreme humidity, and aggressive atmospheres, sub-tropical or tropical atmospheres.
Indoors Heated buildings with a clean atmosphere, e.g. offices, schools and hotels.	Indoors Unheated buildings with a possibility for condensation, e.g. warehouses and sports halls.	Indoors Production areas with high humidity and some atmospheric impurities, e.g. food product manufacturing plants.	Indoors Chemical plants, swimming pools, coastal ship and boatyards.	Indoors Buildings with almost permanent condensation and with high pollution.	Indoors Industrial buildings with extreme humidity and aggressive atmosphere.
Zinc Thickness Loss ≤ 0,1 µm per year	Zinc Thickness Loss > 0,1–0,7 µm per year	Zinc Thickness Loss > 0,7–2,1 µm per year	Zinc Thickness Loss > 2,1–4,2 µm per year	Zinc Thickness Loss > 4,2–8,4 µm per year	Zinc Thickness Loss > 8,4–25 µm per year
Recommended Surface Treatment M, B, EG, PG	Recommended Surface Treatment M, B, EG, PG	Recommended Surface Treatment HDG, XPG®	Recommended Surface Treatment HDG, XPG®	Recommended Surface Treatment HST	Recommended Surface Treatment HST

Product Groups by Atmospheric-Corrosivity Category

C1	C2	C3	C4	C5	CX
Cable Trunking INSTAL®	Cable Ladders KS20 K PG KS20 PG KS60 PG KS100 PG	Cable Ladders KS20 HDG KS60 HDG KS100 HDG KS80 HDG KS80 SP2.0 HDG KSE80 HDG KSF80 HDG	Cable Ladders KS20 HDG KS60 HDG KS100 HDG KS80 HDG KS80 SP2.0 HDG KSE80 HDG KSF80 HDG	Cable Ladders HST KS20 HST KS80 HST KSE80 HST KSF80	Cable Ladders HST KS20 HST KS80 HST KSE80 HST KSF80
Socket Poles INSTAL® SP	Cable Trays KRA M / PG KRB M / PG KRC M / PG KRV M / PG	Wire Mesh Trays WMT HDG	Wire Mesh Trays WMT HDG	Wire Mesh Trays WMT HST	Wire Mesh Trays WMT HST
Feeder poles INSTAL® SP	Wire Mesh Trays WMT EG	Lighting Support Rails MEK 70 K XPG®	Lighting Support Rails MEK 70 K XPG®	Lighting Support Rails HST MEK 70	Lighting Support Rails HST MEK 70
	Fastening Parts M / EG / PG	Fastening Parts HDG / XPG®	Fastening Parts HDG / XPG®	Fastening Parts HST	Fastening Parts HST

Installation Instructions

The information in this publication is intended to present and illustrate generally acceptable installation methods for MEKA® cable management systems.

These guidelines and information do not intend to cover all details or variations in each cable support system nor provide for every possible installation contingency.

This publication does neither intend to replace the responsibility of the contractor and installer to acquire knowledge of and apply the valid laws, rules, regulations, and standards on electrical and cable support system installations in each individual project and site.

The installation method shall always be finally approved by the construction site supervisor and relevant authorities.

Product Responsibility

Take note of the following regarding cable management installation:

1. Cable trays and ladders are intended to support cables only.
2. Cable trays or cable ladders may not be used as ladders or walkways. It is forbidden to attach safety harnesses or similar equipment to cable support products.
3. In installing cable management systems, consider the load-bearing specification of each component as well as the strength of the fastening and surface materials. Do not exceed the manufacturer-specified maximum load.
4. Plastic components are not intended to be used as a load-bearing element if not otherwise stated in installation instructions.
5. Products may only be installed by a qualified professional who knows safe and correct electrical contracting and construction practices, electrical equipment, and safety issues in electrical systems. The installation must always comply with standards, as well as local laws, rules and regulations.
6. Follow the manufacturer's instructions on installation and usage.
7. Impact wrenches or other impact tools shall not be used for tightening bolts to prevent overtightening and to ensure the products' corrosion resistance.
8. Products must be stored and handled appropriately.
9. Use only matching products of the same system with MEKA® products.
10. Make sure that mounting accessories and mounting surface meet the required strength requirements.
11. Safe working load (SWL) is the largest allowed load for the product in question. Verify the maximum allowed loads of each product in their product datasheets.
12. Products must not be used in the North American region.

The manufacturer assumes no liability for wrong product choices or for direct or indirect damage resulting from incorrect use.

General Installation instructions

Cable management systems shall be installed in a manner that the load does not exceed the manufacturer's specified maximum load, or that the deflection of each cable ladder/tray span does not exceed 1/100th of the span. In practice, a deflection of 1/100 means that with, for example, a three-meter-span, the deflection may not exceed 30 mm. In calculating the deflection, include roughly 50% of the existing load as additional allowance.

Sufficient gap for heat expansion shall be left between cable ladders and cable trays as well as at their ends. Steel's coefficient for heat expansion is $0.000012\text{m}/^\circ\text{C}$. The following formula can be used to calculate the heat expansion: change in temperature $\times 0.000012 \times$ length. If, for instance, the length of your tray system is 100 m and the temperature changed by 40°C , the change in length is $40 \times 0.000012 \times 100 = 0.048\text{ m}$, i.e. 48 mm.

The load-bearing capacity of the brackets as well as the strength of the mounting accessories and surface materials in cable ladder and cable tray installations shall be considered.

In installation sites where vertical cable ladders are prone to mechanical damage, the ladders shall be protected with a cover of 1.5 m in height.

Feedthroughs

Regarding feedthroughs in fire protection walls, cut the cable tray or cable ladder from next to the walls. At the edge of flammable areas, feedthroughs must have equivalent fire resistance to the feed-through structure.

Installation Accessories

Installation accessories that are placed on cable ladders or cable trays, such as junction boxes, must be securely attached in a manner that the accessories are not located in the area intended for cables. MEKA® mounting plates are recommended to be used when needed.

Use of High-Current Cable Systems

High-current cables can be installed to KS80 and KSF80 cable ladders when using cable clamps intended for that purpose.



YouTube



Check out the installation videos.

Approvals and Tests

CE Mark



All MEKA® products and parts have the CE mark. The CE mark is the manufacturer's guarantee that the product meets the requirements of the applicable directives.

MEKA® products and parts require The EU low voltage directive (2014/35/EU, LVD). The directive is intended to guarantee that electrical devices that are sold on EU markets do not, when used, installed and maintained correctly, cause a danger to people, livestock or property.

The directive applies to all hazards that arise from the use of electrical devices. The directive lays forth all the core safety targets that electrical devices must meet in order to be made available in the EU market. According to EU uniformisation regulations, the directive also ensures the free movement of electrical devices that meet the requirements.

FI Mark



The FI safety mark may be used for products with a valid SGS Fimko or Kiwa Inspecta-granted FI certificate. To be granted the FI mark, the product must be type-tested at a qualified test laboratory, and the FI mark is only granted to products that pass rigorous tests and inspections. FI marked products are also controlled at the manufacturing and sales locations, and the products are listed in the register of FI certified products. The FI safety mark is well known in all EEA countries and it signifies that the product meets the requirements of the relevant safety standards and directives. It also provides a basis for certification in various other countries.

Key Flag Symbol



The Key Flag Symbol is the sign of Finnish work. It means that Meka products and/or product groups are made in Finland and/or the product or product group is at least 50 percent Finnish regarding its cost price. The Key Flag Symbol is the property of the Association for Finnish Work.

EAC Certification



This customs alliance is a joint body of Russia, Belarus and Kazakhstan. Their certificate follows the customs alliance and/or Russian, Belarussian or Kazakhstani certification guidelines. The customs alliance certificate is labelled EAC Eurasian Conformity. Previously used GOST-R certificates have been superseded by the customs alliance's EAC certificates.

Meka's General Terms of Delivery

Terms of delivery are determined on an offer- and contract-specific basis with the customer. In Finland, we primarily use the CPT or DAP supply article. In exports, we follow an INCOTERMS 2020 compliant supply article that is agreed on separately for each shipment. The goods are delivered within the agreed shipment time. The goods become the buyer's property once the sale price has been paid in full.

Standards

IEC 61537, Cable management - Cable tray systems and cable ladder systems sets the mechanical testing procedure for cable trays, brackets and other parts. This standard also sets the conductivity test process. IEC 61537 is a standard for cable tray systems that is harmonised on the EU level.

EN 50085-1, Cable trunking systems and cable ducting systems for electrical installations. This standard contains the structural requirements and testing processes for cable trunking systems. Harmonised product standard.

EN 60529, "Degrees of protection provided by enclosures (IP Code)". This standard defines the enclosure ratings and labels as well as presents the requirements and necessary tests. Harmonised product standard.

Recyclability



Meka products are made of recyclable materials and the products are 100% recyclable after the end of their lifespan.

Instal® cable trunking products have also the following safety certificates:

- S (Sweden)
- N (Norway)
- Demko (Denmark)

How to Read Charts and Diagrams



Up-to-date and comprehensive product information, test results and installation examples are available on our website.

www.meka.eu

Product Charts

1. Individual code of the item.
2. Stock product: this label means that the item is more readily available. Products that are marked as stock products are directly available at Meka's warehouse in Finland.
3. Product weight in kilograms
4. Product dimensions in millimetres. The matching ruler to the letter is printed on the product's dimension drawing.
5. Product sales package. For long products, we state the number of pieces and the total length in metres. For mounting parts, we state the number of pieces in the package.
6. Short code of product surface treatment or material.
7. Description of the surface treatment or material.
8. Atmospheric-corrosivity categories that apply to the product.

1 CODE	2 PRODUCT x = stock product	3 WGT. kg / pc	4 A mm	S mm	L mm	5 PACKAGE
1449401	x KS20-200 L=3000 PG	5.72	200	1	3000	10 PCE / 30 MTR
1449402	x KS20-300 L=3000 PG	6.2	300	1	3000	10 PCE / 30 MTR
1449403	KS20-400 L=3000 PG	6.72	400	1	3000	10 PCE / 30 MTR

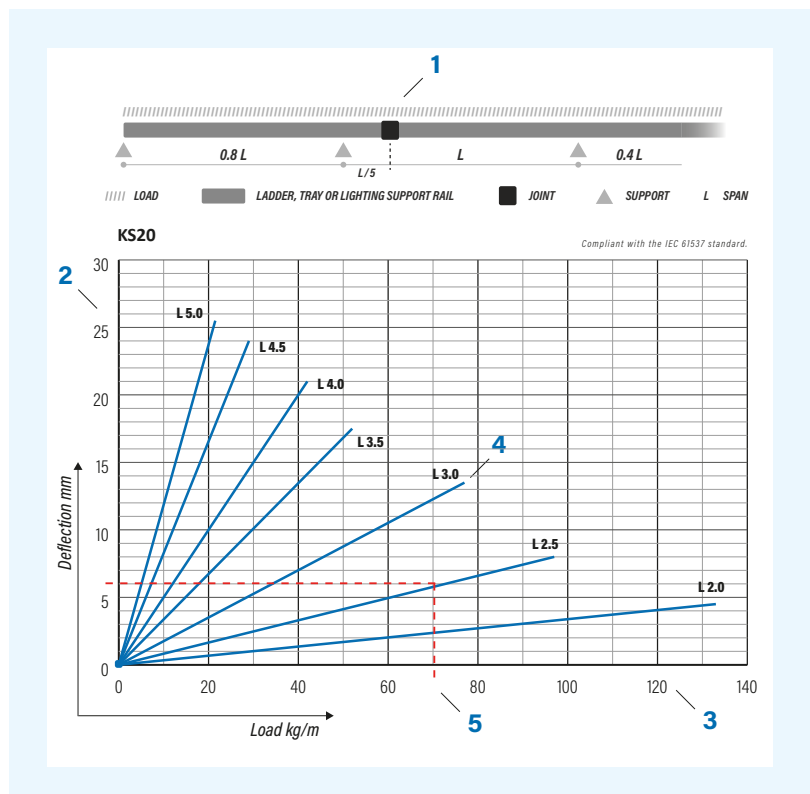
6 PG	7 Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2	8
---------	--	---

Load Diagrams

1. Testing method compliant with IEC 61537 type 3.
2. Product deflection in millimetres.
3. Product load in kilograms per metre.
4. Span used in testing, in metres.
5. With a load of 70 kilograms per metre and a span is 2.5 metres, the product will deflect by 6 millimetres.

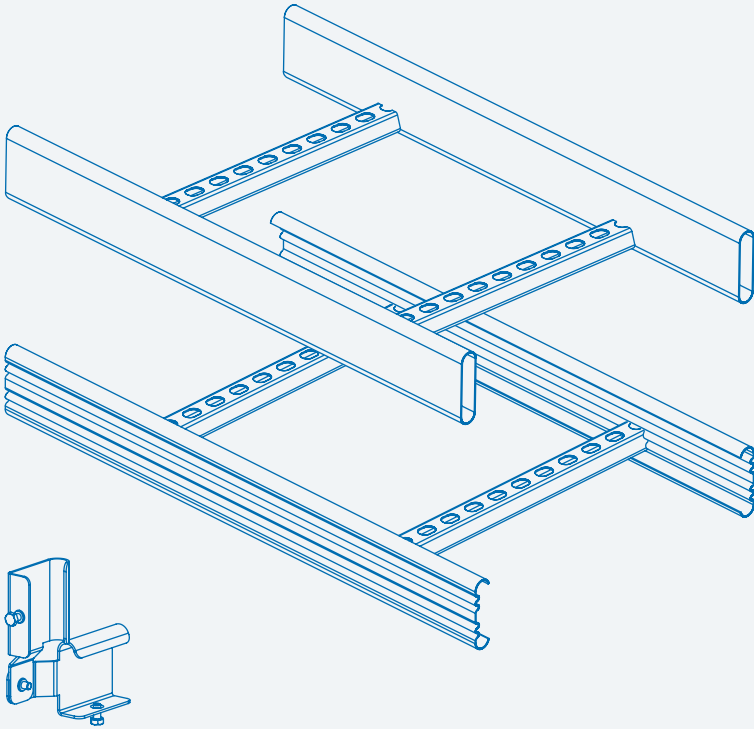
The safe workload (SWL) has been tested with a calibrated testing device. This testing method is certified according to the standard IEC 61537. The joint is at a 1/5 distance of the support and the deflection was measured at the midway point between the supports.

SWL is a load that creates a deflection of 1/100 in the span, or if a 1/100 deflection is not achieved, it is the force that creates a permanent deformation divided with the safety factor, which is 1.7.





Cable Management Systems



Cable Ladders

2023



All cable ladders are completely recyclable.



Cable ladders for all atmospheric-corrosivity categories C1-CX.



Optimal cable management solutions for every location.



Products available up to fire rating E90.

Cable ladders

KS20 K PG

Open side profile
47 kg/m (3-metre span)

The little giant of cable ladders! Cable ladder for residential building solutions, both indoor and outdoor use, when an atmospheric-corrosivity category C1 or C2 is sufficient. The open C-profile is made of pre-galvanised steel plate. Compatible with KS20 and KS60 systems.

KS20 PG

Open side profile
76 kg/m (3-metre span)

Multipurpose cable ladder. Cable ladder for residential building solutions with a moderate load, both indoor and outdoor use, when atmospheric-corrosivity category C1 or C2 is sufficient. The open C-profile is made of pre-galvanised steel plate. Compatible with KS20 K and KS60 systems.

KS20 HDG

Open side profile
76 kg/m (3-metre span)

Multipurpose cable ladder. Cable ladder for residential building and industrial solutions with a moderate load, both indoor and outdoor use, when atmospheric-corrosivity category C3 or C4 is required. The open C-profile is hot-dip galvanised after manufacture. The thickness of the galvanising is 55 µm on average. Compatible with KS20 K and KS60 systems.

HST KS20

Open side profile
76 kg/m (3-metre span)

Multipurpose cable ladder made of acid-proof stainless steel (AISI 316L). Cable ladder for industrial solutions with a moderate load, when atmospheric-corrosivity category C5 or CX is required.

KS60 PG

Open side profile
114 kg/m (3-metre span)

Cable ladder for heavy loads in residential building solutions and moderate loads in industrial solutions, both indoor and outdoor use, when atmospheric-corrosivity category C1 or C2 is sufficient. Lighter option for KS80 cable ladders. The open C-profile is made of pre-galvanised steel plate. Compatible with KS20 K and KS20 systems.

KS60 HDG

Open side profile
114 kg/m (3-metre span)

Cable ladder for moderate loads in industrial solutions, when atmospheric-corrosivity category C1-C4 is required. Lighter option for KS80 cable ladders. The open C-profile is hot-dip galvanised after manufacture. The thickness of the galvanising is 55 µm on average. Compatible with KS20 and KS60 systems.

KS80 HDG

Tube side profile

109 kg/m (3-metre span)

Industrial cable ladder. Cable ladder for heavy industrial loads in atmospheric-corrosivity category C1-C4. Tube profile can withstand large industrial loads and meets lateral stiffness requirements. The cable ladder is hot-dip galvanised after manufacture. The thickness of the galvanising is 55 µm on average.

HST KS80

Tube side profile

109 kg/m (3-metre span)

Industrial cable ladder made of acid-proof stainless steel (AISI 316L) for extremely demanding atmospheres. The cable ladder can withstand significant industrial loads, meets lateral stiffness requirements and is suited for atmospheric-corrosivity category C1-CX.

KSE80 HDG

Tube side profile, rounded cleat

109 kg/m (3-metre span)

Hot-dip galvanised cable ladder for food industry applications. Cable ladder that is hot-dip galvanised after manufacture, with plugged ends as well as tube and cleat profiles that are optimised for the food industry. The thickness of the galvanising is 55 µm on average.

HST KSE80

Tube side profile, rounded cleat

109 kg/m (3-metre span)

Food industry cable ladder made of acid-proof stainless steel (AISI 316L). The cable ladder has pluggable ends and an optimised tube and cleat profile to meet the food industry's hygiene requirements.

KSF80 HDG

Reinforced tube side profile, wide spans

155 kg/m (3-metre span)

Cable ladder for long distance between supports. Tube profile that has been reinforced for heavy loads and long distance between supports (up to 9m), for use in atmospheric-corrosivity category C1-C4. The cable ladder is hot-dip galvanised after manufacture. The thickness of the galvanising is 55 µm on average.

HST KSF80

Reinforced tube side profile, wide spans

155 kg/m (3-metre span)

Cable ladder for long distance between supports. Tube profile that has been reinforced for heavy loads and long distance between supports (up to 9m), for use in atmospheric-corrosivity category C1-CX. The cable ladder is made of acid-proof stainless steel (AISI 316L).

KS80 SP2.0 HDG

Reinforced tube side profile

182 kg/m (3-metre span)

Reinforced industrial cable ladder for heavy loads in atmospheric-corrosivity category C1-C4. Reinforced tube profile that can withstand large industrial loads and meets stiffness requirements. The cable ladder is hot-dip galvanised after manufacture. The thickness of the galvanising is 55 µm on average.

KS100 PG

Open side profile

183 kg/m (3-metre span)

High sided cable ladder for wide spans. The cable ladder is suited for atmospheric-corrosivity category C1-C2. The cable ladder is hot-dip galvanised after manufacture. Higher cable space hides even thicker cables from view and damage. Perforated side profile enables the attachment of fixtures to the side of the cable ladder.

KS100 HDG

Open side profile

183 kg/m (3-metre span)

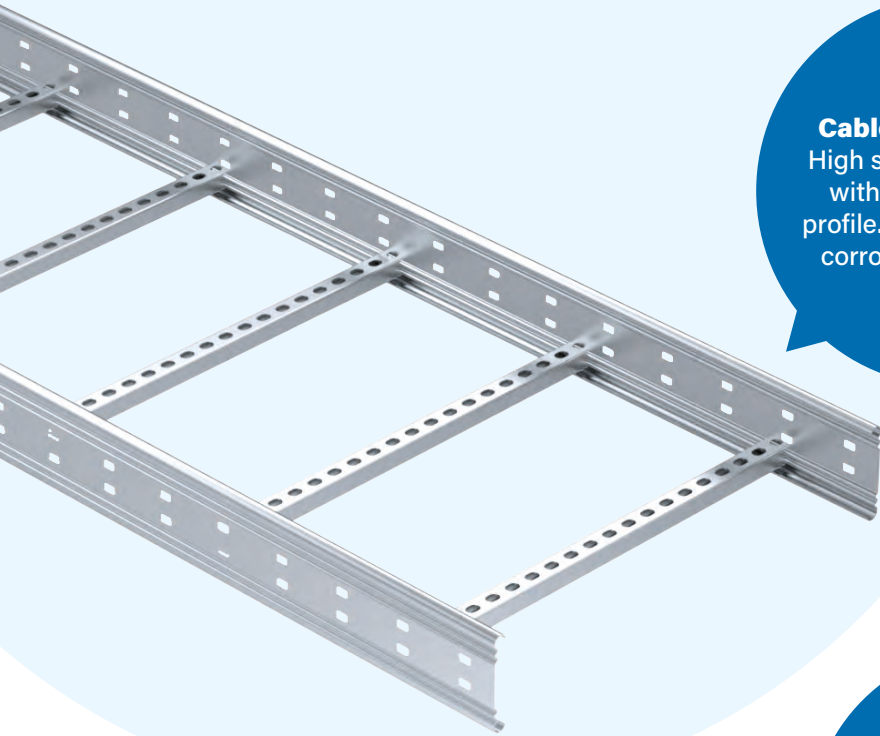
High sided cable ladder for wide spans. The cable ladder is suited for atmospheric-corrosivity category C1-C4. The cable ladder is hot-dip galvanised after manufacture. The thickness of the galvanising is 55 µm on average. Higher cable space hides even thicker cables from view and damage. Perforated side profile enables the attachment of fixtures to the side of the cable ladder.

All cable ladders can be installed both vertically and horizontally.

All cable ladders are available 200-600 mm wide.

Load-carrying capacity of cable ladders have been tested in compliance with IEC 61537 test type 3.

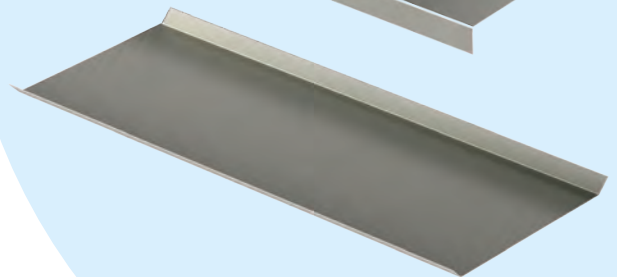
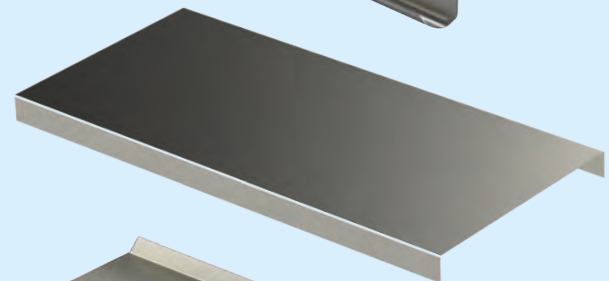
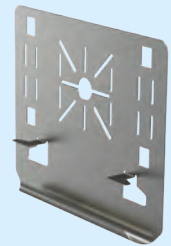




Available!
Cable ladder KS100.
High sided cable ladder
with perforated side
profile. For atmospheric-
corrosivity categories
C1-C4.



New!
XPG® coated covers
and accessories of
atmospheric-corrosivity
categories C1-C4.



New!
For finishing installations
and safety of use.
End plugs for
mounting rails
ASR / ASR-P / FP and
ceiling supports
TP1 / TP2 / TP2-P.



New!
Cable clamp CCA
made of acid-proof
steel for extreme
conditions.



Table of Contents

Cable ladders

Fire-resistant cable ladders	1-6	Wall support VKZ	1-47	Ceiling bracket TFP-A	1-76
Potential Equalisation	1-8	Wall support VKZ-N	1-48	Corrugated bar bracket	
KS20 K / KS20 system	1-9	Intermediate support HK13	1-49	HTK-AS	1-76
KS60 system	1-10	Intermediate support MK	1-50	Corrugated bar bracket	
KS100 system	1-12	Gate support TPK	1-51	HTK-SK	1-77
KS80 / KS80 SP2.0 system	1-14	Gate support PRT	1-51	Corrugated bar bracket	
KSF80 system	1-16	Intermediate support VK2	1-52	HTK-LK	1-77
KSE80 system	1-17	Wall bracket VK3	1-52	Cable clamp CCA	1-78
HST systems	1-18	Bracket KS100 UB	1-53	Bracket for cables FDC	1-79
Cable ladder KS20 K	1-20	Bracket KK	1-53	Cable clamp CCB	1-79
Cable ladder KS20	1-21	Bracket KS100 KK	1-54	Mounting plate DPA	1-80
Cable ladder KS60	1-22	Bracket KK-MK	1-54	Mounting plate KS100 DPA	1-80
Cable ladder KS100	1-23	Bracket KKF	1-55	Mounting plate DPA-O	1-81
Cable ladder KS80	1-24	Side profile support KSF-VT	1-55	Mounting plate KS100 DPA-O	1-81
Cable ladder KS80 SP2.0	1-25	Ceiling support TP1	1-56	Mounting plate DPB	1-82
Cable ladder for food industry		Ceiling support TP2	1-57	Mounting plate DPB-O	1-82
KSE80	1-26	Ceiling support TP2-L	1-58	Mounting plate DP-GT	1-83
Cable ladder KSF80	1-27	Ceiling support TP2-P	1-59	Mounting plate KL	1-83
Bend 45° KS45	1-28	Ceiling support HK1	1-60	Cover bracket KAP	1-84
Bend 90° KS90	1-29	Joint JK	1-60	Cover KRL-KS	1-85
Bend 90° KSE90	1-30	Ceiling support HK2	1-61	Cover SK	1-86
Bend 90° KSF90	1-30	Side support ST	1-61	Cover PSK	1-87
T-piece KST	1-31	Ceiling bracket AS-TF	1-62	Joint cover KRL-J	1-88
T-piece KSTE	1-32	Ceiling bracket ASR-TF	1-62	Cover KRL-KSV	1-89
X-piece KSX	1-33	Ceiling bracket ASR-P-TF	1-63	Cover KRL-KSVI	1-90
X-piece KSXE	1-33	Fixing plate PL	1-63	Cover KRL-KS90	1-91
Vertical bend, outside KSV	1-34	Mounting rail AS	1-64	Cover KRL-KS45	1-92
Vertical bend, outside KSVE	1-34	Mounting rail ASR	1-65	Cover KRL-KST	1-94
Vertical bend, inside KSVI	1-35	Wall mounting rail AS WALL	1-65	Cover KRL-KSX	1-95
Vertical bend, inside KSVIE	1-35	Mounting rail ASR-L	1-66	Bottom cover PPU	1-96
Joint SSR	1-36	Mounting rail ASR-P	1-66	Bottom plate POL	1-96
Joint SSU	1-36	Sliding nut TB	1-67	Low voltage gutter SR	1-97
Joint SSC	1-37	Sliding nut SMT	1-67	Separation plate AP	1-98
Joint SSA	1-37	Sliding nut AKM	1-67	Joint APJ	1-98
Joint KS100 J	1-38	Mounting rail FP	1-68	Lighting fixture VM-KS	1-99
Width-reduction piece		Mounting rail CK	1-68	Earthing terminal PE	1-99
KS100 FM	1-39	Support rail PS	1-69	End plug SP	1-100
Width-reduction piece FM	1-39	Bracket PSF	1-69	End plug ÄP	1-100
End bracket ÄF	1-40	Ceiling bracket PF	1-70	End plug EP	1-100
Adjustable joint KS100 VEF	1-40	Beam bracket PK1	1-70	End plug SP-TP1	1-101
Adjustable joint VEF 2	1-41	Beam bracket PK2	1-71	End plug SP-TP2	1-101
T-branch bracket VF	1-41	Beam bracket PK3	1-71	End plug SP-TP2-P	1-102
Adjustable joint NL	1-42	Mounting rail MR	1-72	Repair paint SPRAY	1-102
Adjustable joint NL-TK	1-42	Ceiling bracket RTF-10	1-72	Threaded rod GT	1-102
T-branch bracket VFF	1-43	Ceiling bracket RTF-16	1-73	Protective sleeve SS	1-103
Adjustable joint KSF-NL	1-43	Ceiling bracket RTF-Z	1-73	Bolt set RS	1-103
Branching sheet AG	1-44	Ceiling bracket RTF-S	1-74	Nut MU	1-104
Wall support VKI	1-44	Ceiling bracket TFP	1-74	Extension nut JM	1-104
Wall support VK	1-45	Ceiling bracket TFP2	1-75	Washer AL	1-104
Wall support VKF	1-46	Ceiling bracket TFP3	1-75		

Fire-resistant cable ladders

Fire rating E90

PRODUCT	SPAN LENGTH max (m)	WIDTH max (mm)	LOADING max (kg/m)
KSF80	1,5	600	20
KS80 SP2.0	1,5	600	20
KS80	1,5	600	20
KSE80	1,5	600	20

All lengths, and all material and surface treatment options up to a 600 mm width.

PRODUCT	SPAN LENGTH max (m)	WIDTH max (mm)	LOADING max (kg/m)
KS60	1,5	600	20
KS20	1,5	600	15
KS20 K	1,5	600	15

All lengths, and all material and surface treatment options up to a 600 mm width.

TYPE	PRODUCTS	
Bends	KS90, KSF90	All products and all materials and surface treatment options. Maximum allowed width 600 mm. Corner pieces must be supported no further than 300 mm from both joints, or in the middle of corner, if distance to the joint is less than 300 mm. On demand, corner pieces must be supported so that the span length of the corner piece does not exceed the allowed span length of the concerned cable ladder when measured the length in the median line of the arc.
Bottom covers	POL, PPU	All products and all material and surface treatment options. Maximum allowed width 600 mm.
Brackets	KK, KK-MK, KKF, PSF	All products and all material and surface treatment options.
Branching sheet	AG	All products and all material and surface treatment options.
Cable clamps	CCA	All material and surface treatment options. Fire-safe installation of a vertical ladder requires that cables be attached with cable clamps at no more than 300 mm intervals.
Ceiling brackets	PF, RTF-10, RTF-16, RTF-S, RTF-Z	All products and all material and surface treatment options. Fastening equipment that is rated for fire safety must be used with ceiling brackets.
Ceiling supports	TP1, TP2, TP2-L, TP2-P	All products and all material and surface treatment options. Fastening equipment that is rated for fire safety must be used with ceiling supports.
Covers	SK, PSK, KRL-KS	All products and all material and surface treatment options until width 600 mm.
End bracket	ÄF	All material and surface treatment options.
Gate supports	MK, TPK, PRT	All products and all material and surface treatment options. Gate supports must be attached to the ceiling with two threaded rods. TPK may also be attached to the ceiling with two TP1 ceiling supports.
Intermediate supports	HK13	All material and surface treatment options. Maximum allowed width is 600 mm. Ceiling support TP1 is required when using the intermediate support HK13.
Joints	SSR, SSU	All products and all material and surface treatment options.
Mounting rails	AS, AS-WALL, FP, PS	All products and all material and surface treatment options. Mounting rails must be attached to the wall. Fastening equipment that is rated for fire safety must be used with mounting rails.
Nuts	MU 6, MU 10, MU 16	All products and all material and surface treatment options. MU 6 -nut is allowed only in tip attachments, not in supports.
Screw sets	RS1, RS2, RS3, RS4, RS KSF, RS SSU, RS VK2, RS MEK J 10	All products and all material and surface treatment options.
Separation plates	AP, SR	All products and all material and surface treatment options.
Side profile support	KSF-VT	All material and surface treatment options. Side profile support KSF-VT must be used in fire-resistant systems, when wall or intermediate supports are placed under KSF80 ladders' lower tubes.
Sliding nut	SMT	All products and all material and surface treatment options.
T and X-pieces	KST, KSX, VF	All products and all material and surface treatment options. T and X-pieces must be supported no further than 300 mm from both joints, or in the middle of corner, if distance to the joint is less than 300 mm. On demand, T and X-pieces must be supported so that the span length of the product does not exceed the allowed span length of the concerned cable ladder when measured the length in the median line of the arc.
Threaded rods	GT-6, GT-10, GT-16	All products and all material and surface treatment options. GT-6 threaded rod is allowed only in tip attachments, not in supports. Fire-rated fastening equipment is required when using threaded rods.
Wall brackets	VK2	All products and all material and surface treatment options. In addition of wall support VK2 can be used to hold up corner, T and X-piece. Wall bracket VK2 is not allowed to be used as a ceiling support.
Wall supports	VK, VKF, VKZ, VKZ-N	All products and all material and surface treatment options. VKZ and VKZ-N must always be supported with a threaded rod from the support's tip to the ceiling. VK and VKF may be attached to the wall directly with fire-rated fastening equipment, without the need for the tip to be attached. When a support is attached from the tip, the support must be wider than the cable ladder. Maximum allowed widths without tip-support are: VKF 600 mm and VK 500 mm. With a tip-support 100 mm wider wall support is accepted.

Installation of a corner E90



Corner piece must be supported no further than 300 mm from both joints, or in the middle of corner, if distance to the joint is less than 300 mm. On demand, corner piece must be supported so that the span length of the corner piece does not exceed the allowed span length of the concerned cable ladder when measured the length in the median line of the arc.

Corner piece can be supported by fire rated brackets and supports, or by using wall bracket VK2 in both side of the product. One VK2 is not enough.

T-piece installation E90



KST and KSX must be supported no further than 300 mm from both joints, or in the middle of corner, if distance to the joint is less than 300 mm. On demand, KST and KSX must be supported so that the span length of the product does not exceed the allowed span length of the concerned cable ladder when measured the length in the median line of the arc.

T and X pieces can be supported by fire rated brackets and supports, or by using wall bracket VK2 in both side of the product. One VK2 is not enough.

Installation of a vertical ladder E90



In an E60 compliant vertical ladder installation, the cable ladder is attached to the wall with wall bracket VK2. In an E90 compliant vertical ladder installation, the cable ladder is attached to the wall with wall bracket VK2 and to the floor with end brackets ÄF.

Tip attachment E90



Tip attachment is required to achieve the fire rating, if wall support VK or VKF is attached with a sliding nut SMT to a mounting rail AS. In this case, a support that is wider than the cable ladder is required in order to attach the M6 threaded rod to the outermost hole.

The tip attachment is not required to achieve the fire rating, if wall support VK or VKF are attached together through a ceiling support TP2 with a bolt.

Gate support E60/E90



Gate supports TPK and PRT are E90 compliant, and gate support MK is E60 compliant. In an E60 compliant gate support installation, gate support MK must be attached to the ceiling with two threaded rods. Gate support MK is attached to the cable ladder with bracket KK-MK.

Intermediate support E90



In an E90 compliant intermediate support installation, ceiling support TP1 is attached to intermediate support HK13 with screw set RS3. The cable ladder is attached to intermediate support HK13 with bracket KK.

The wall brackets are installed so, that they are attached to the cable ladder cleat underneath. Cables must be attached to the transverse cleat with cable clamp CCA at not less than 300 mm intervals. Cable clamps must be protected from fire at not less than 3.5 metre intervals, unless otherwise instructed by the authorities. The protection of the cable clamps can be done, for example, within the building's firestops or by building a firestop around the cable ladder, cables and clamps from firestop material. The firestop must be made in accordance with a national standards, national regulations or industry-specific standards.

Vertical installation:

- Maximum allowed support interval (VK2 and VK3): 1.5m
- Maximum allowed load per metre (KS20 K): 10kg
- Maximum allowed load per metre (KS20): 15kg
- Maximum allowed load per metre (KS60): 17.5kg
- Maximum allowed load per metre (KS80): 20kg
- Maximum allowed ladder width (KS20 K, KS20, KS60 and KS80): 600 mm

Potential Equalisation

IEC 61537

PRODUCT	IMPEDANCE mΩ/m
KS20 K PG	≤0,84
KS20 PG / HDG	≤0,60
KS60 PG / HDG	≤0,62
KS80 HDG	≤0,44
HST KS80	≤2,48
KSE80 HDG	≤0,51
KS80 SP2.0 HDG	≤0,56
KS100 PG / HDG	≤0,28
KSF80 HDG	≤0,44

PRODUCT + JOINT measured 50mm from the joint	IMPEDANCE mΩ
KS20 K PG + SSR PG	≤0,29
KS20 K PG + SSU HDG	≤0,27
KS20 PG + SSR PG	≤0,13
KS20 PG + SSU HDG	≤0,28
KS20 PG + SSC PG	≤0,24
KS20 PG + NL PG	≤0,24
KS20 PG + VF PG	≤0,20
KS60 PG + SSR PG	≤0,21
KS60 PG + SSU HDG	≤0,19
KS80 HDG + SSR HDG	≤0,17
KS80 HDG + SSU HDG	≤0,14
KS80 HDG + NL HDG	≤0,39
KS80 HDG + NL-TK HDG	≤0,26
KS80 HDG + VF HDG	≤0,29
KS80 HDG + VEF 2 HDG	≤0,62
HST KS80 + HST SSR	≤0,79
HST KS80 + HST SSU	≤0,66
HST KS80 + HST NL	≤1,6
HST KS80 + HST VF	≤0,87
KS100 PG / HDG + KS100 J XPG	≤0,18
KS100 PG / HDG + KS100 VEF XPG	≤0,30
KSF80 HDG + KSF80 HDG	≤0,16
KSF80 HDG + KSF-NL HDG (straight)	≤0,15
KSF80 HDG + KSF-NL HDG (angle)	≤0,30



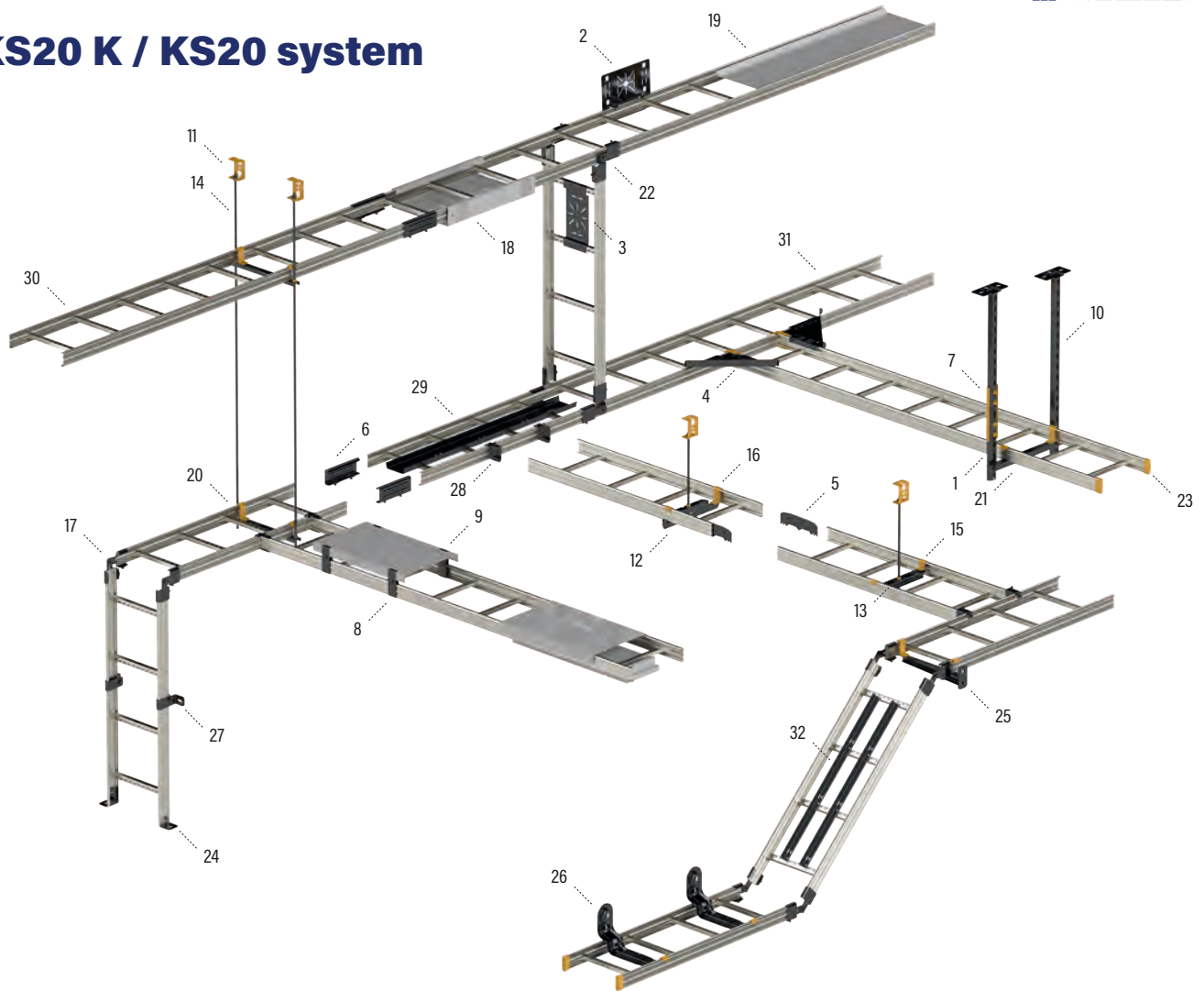
The joints in the chart create a sufficient electrical joint, which eliminates the need to install a separate grounding wire between trays.

Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu



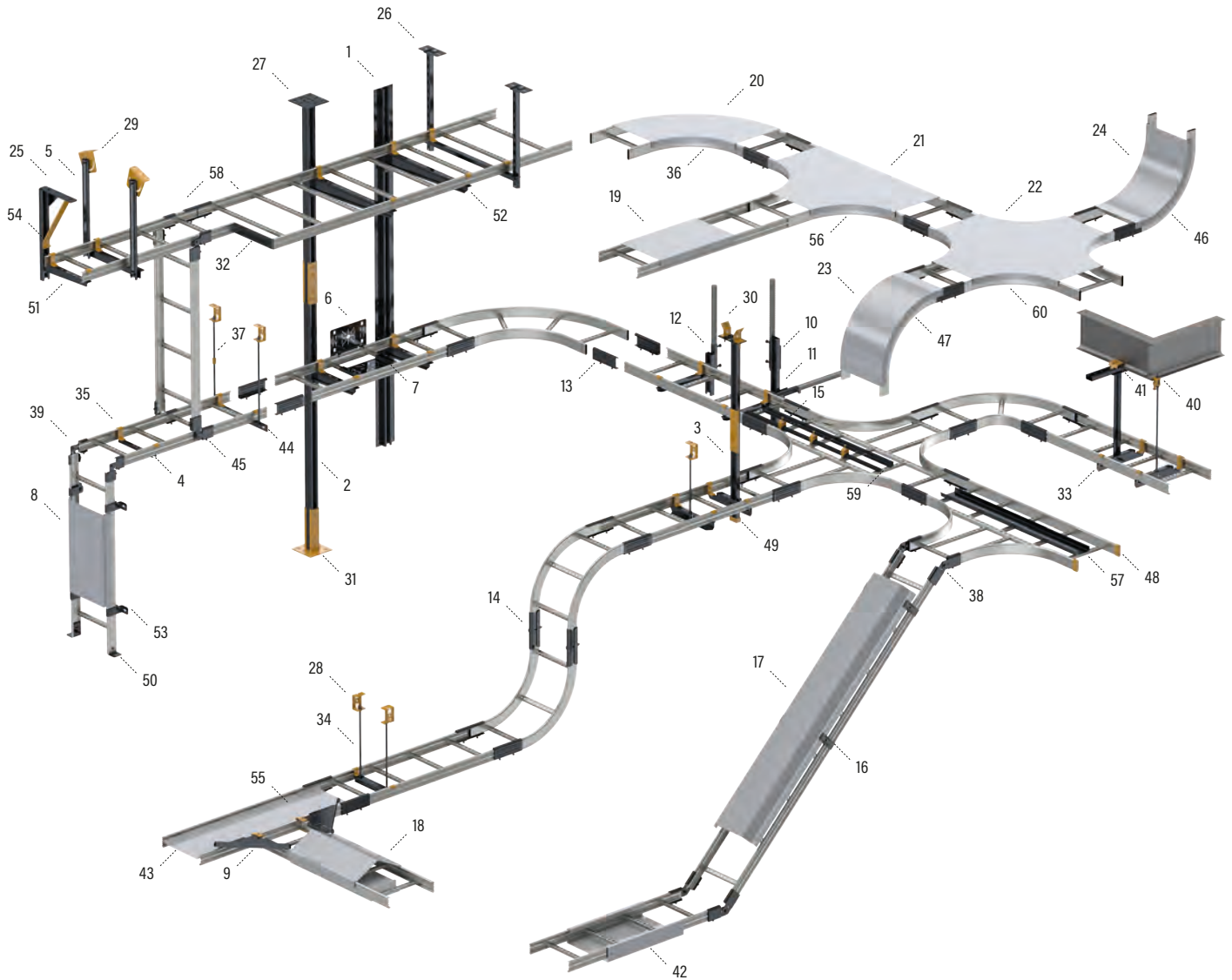
KS20 K / KS20 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE	NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Mounting rail	FP	PG HST	1-68	21	Gate support	TPK	HDG HST	1-51
1	Mounting plate	DPA	PG XPG HST	1-80	22	Adjustable joint	VEF 2	HDG	1-41
3	Mounting plate	DPB	PG XPG HST	1-82	23	End plug	ÄP		1-100
4	Branching sheet	AG	PG XPG	1-44	24	End bracket	ÄF	HDG HST	1-40
5	Joint	SSC	PG HDG	1-37	25	Wall support	VK	HDG	1-45
6	Joint	SSR	PG HDG HST	1-36	26	Wall support	VKI	PG	1-44
7	Joint	JK	HDG HST	1-60	27	Wall bracket	VK2	PG HDG HST	1-52
8	Cover bracket	KAP	PG HDG HST	1-84	28	T-branch bracket	VF	PG HDG HST	1-41
9	Cover	KRL-KS	PG XPG	1-85	29	Low voltage gutter	SR	PG XPG HST	1-97
10	Ceiling support	TPI	HDG HST	1-56	30	Cable ladder	KS20	PG HDG	1-21
11	Ceiling bracket	RTF-10	(M) PG HDG HST	1-72	31	Cable ladder	KS20 K	PG	1-20
12	Intermediate support	HK13	PG HDG HST	1-49	32	Separation plate	AP	(M) PG HDG HST	1-98
13	Intermediate support	MK	PG HDG	1-50					
14	Threaded rod	GT-10	EG HDG HST	1-102					
15	Bracket	KK-MK	PG HDG	1-54					
16	Bracket	KK	PG HDG HST	1-53					
17	Adjustable joint	NL	PG HDG	1-42					
18	Bottom cover	PPU	(M) PG	1-96					
19	Bottom plate	POL	PG XPG	1-96					
20	Gate support	PRT	PG	1-51					

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

KS60 system



Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Wall mounting rail	AS WALL	HDG HST	1-65
2	Mounting rail	ASR	HDG HST	1-65
3	Mounting rail	ASR	HDG HST	1-65
4	Mounting rail	CK	PG	1-68
5	Mounting rail	FP	PG HDG HST	1-68
6	Mounting plate	DPA	PG XPG HST	1-80
7	Mounting plate	DPB	PG XPG HST	1-82
8	Mounting plate	KL	PG XPG	1-83
9	Branching sheet	AG	PG XPG	1-44
10	Corrugated bar bracket	HTK-AS	HDG	1-76
11	Corrugated bar bracket	HTK-LK	HDG	1-77
12	Corrugated bar bracket	HTK-SK	HDG HST	1-77
13	Joint	SSR	PG HDG HST	1-36
14	Joint	SSU	HDG HST	1-36
15	Cable clamp	CCA	PG HST	1-78
16	Cover bracket	KAP	PG HDG HST	1-84
17	Cover	SK	PG XPG HST	1-86
18	Cover	PSK	PG XPG	1-87
19	Cover	KRL-KS	PG XPG	1-85
20	Cover	KRL-KS90	PG XPG	1-91
21	Cover	KRL-KST	PG XPG	1-94
22	Cover	KRL-KSX	PG XPG	1-95
23	Cover	KRL-KSV	PG XPG	1-89
24	Cover	KRL-KSVI	PG XPG	1-90
25	Ceiling support	HK2	HDG	1-61
26	Ceiling support	TP1	HDG HST	1-56
27	Ceiling support	TP2	HDG HST	1-57
28	Ceiling bracket	RTF-10	M PG HDG HST	1-72
29	Ceiling bracket	RTF-S	PG HDG	1-74
30	Ceiling bracket	TFP	PG	1-74
31	Ceiling bracket	ASR-TF	HDG	1-62
32	Width-reduction piece	FM	HDG	1-39
33	Intermediate support	HK13	PG HDG HST	1-49

NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
34	Threaded rod	GT-10	EG HDG HST	1-102
35	Bracket	KK	PG HDG HST	1-53
36	Bend 90°	KS90	HDG HST	1-29
37	Extension nut	JM M10	EG HST	1-104
38	Adjustable joint	NL-TK	HDG	1-42
39	Adjustable joint	NL	PG HDG HST	1-42
40	Beam bracket	PK1	EG HDG	1-70
41	Beam bracket	PK2	HDG	1-71
42	Bottom cover	PPU	M PG	1-96
43	Bottom plate	POL	PG XPG	1-96
44	Gate support	TPK	HDG HST	1-51
45	Adjustable joint	VEF 2	HDG	1-41
46	Vertical bend, inside	KSVI	HDG	1-35
47	Vertical bend, outside	KSV	HDG	1-34
48	End plug	ÄP		1-100
49	End plug	SP		1-100
50	End bracket	ÄF	HDG HST	1-40
51	Wall support	VK	HDG	1-45
52	Wall support	VKF	HDG HST	1-46
53	Wall bracket	VK2	PG HDG HST	1-52
54	Side support	ST	HDG	1-61
55	T-branch bracket	VF	PG HDG HST	1-41
56	T-piece	KST	HDG HST	1-31
57	Low voltage gutter	SR	PG XPG HST	1-97
58	Cable ladder	KS60	PG HDG	1-22
59	Separation plate	AP	M PG HST	1-98
60	X-piece	KSX	HDG	1-33

M White paint coat. Atmospheric-corrosivity category C1-C2

B Black paint coat. Atmospheric-corrosivity category C1-C2

G Grey paint coat. Atmospheric-corrosivity category C1-C2

AD Anodized aluminum. Atmospheric-corrosivity category C1-C2

AL Aluminum. Atmospheric-corrosivity category C1-C2

EG Electrogalvanised steel. Atmospheric-corrosivity category C1-C2

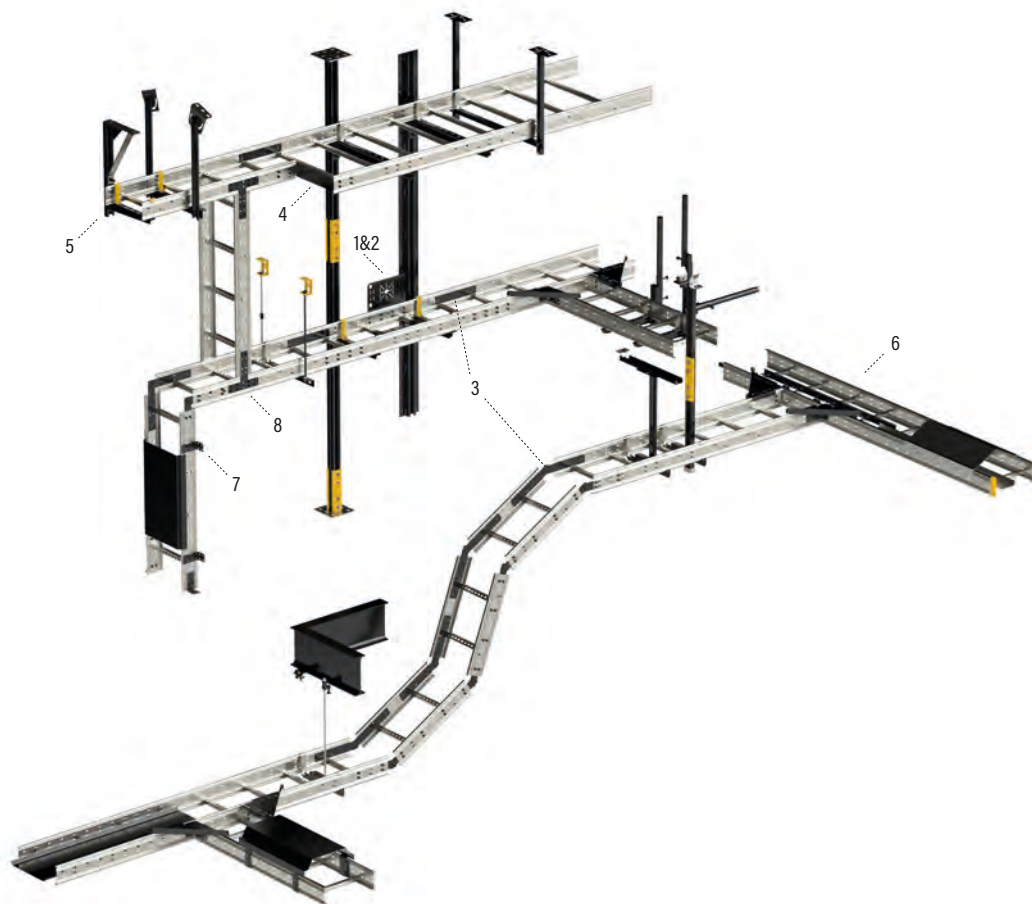
PG Pre-galvanised steel. Atmospheric-corrosivity category C1-C2

HDG Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4

XPG XPG coated. Atmospheric-corrosivity category C1-C4

HST Acid-proof steel. Atmospheric-corrosivity category C1-CX

KS100 system



NO.	TYPE	ITEM	SURFACE TREATMENT		PAGE
1	Mounting plate	DPA	PG	XPG	1-80
2	Mounting plate	DPB	PG	XPG	1-82
3	Joint	KS100 J	PG	XPG	1-38
4	Width-reduction piece	KS100 FM	PG	XPG	1-39
5	Bracket	KS100 KK	PG	XPG	1-54
6	Cable ladder	KS100	PG	HDB	1-23
7	Bracket	KS100 UB	PG	XPG	1-53
8	Vertical joint	KS100 VEF	PG	XPG	1-40

- M White paint coat. Atmospheric-corrosivity category C1-C2
- B Black paint coat. Atmospheric-corrosivity category C1-C2
- G Grey paint coat. Atmospheric-corrosivity category C1-C2
- AD Anodized aluminum. Atmospheric-corrosivity category C1-C2
- AL Aluminum. Atmospheric-corrosivity category C1-C2
- EG Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- PG Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- HDB Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- XPG XPG coated. Atmospheric-corrosivity category C1-C4
- HST Acid-proof steel. Atmospheric-corrosivity category C1-CX

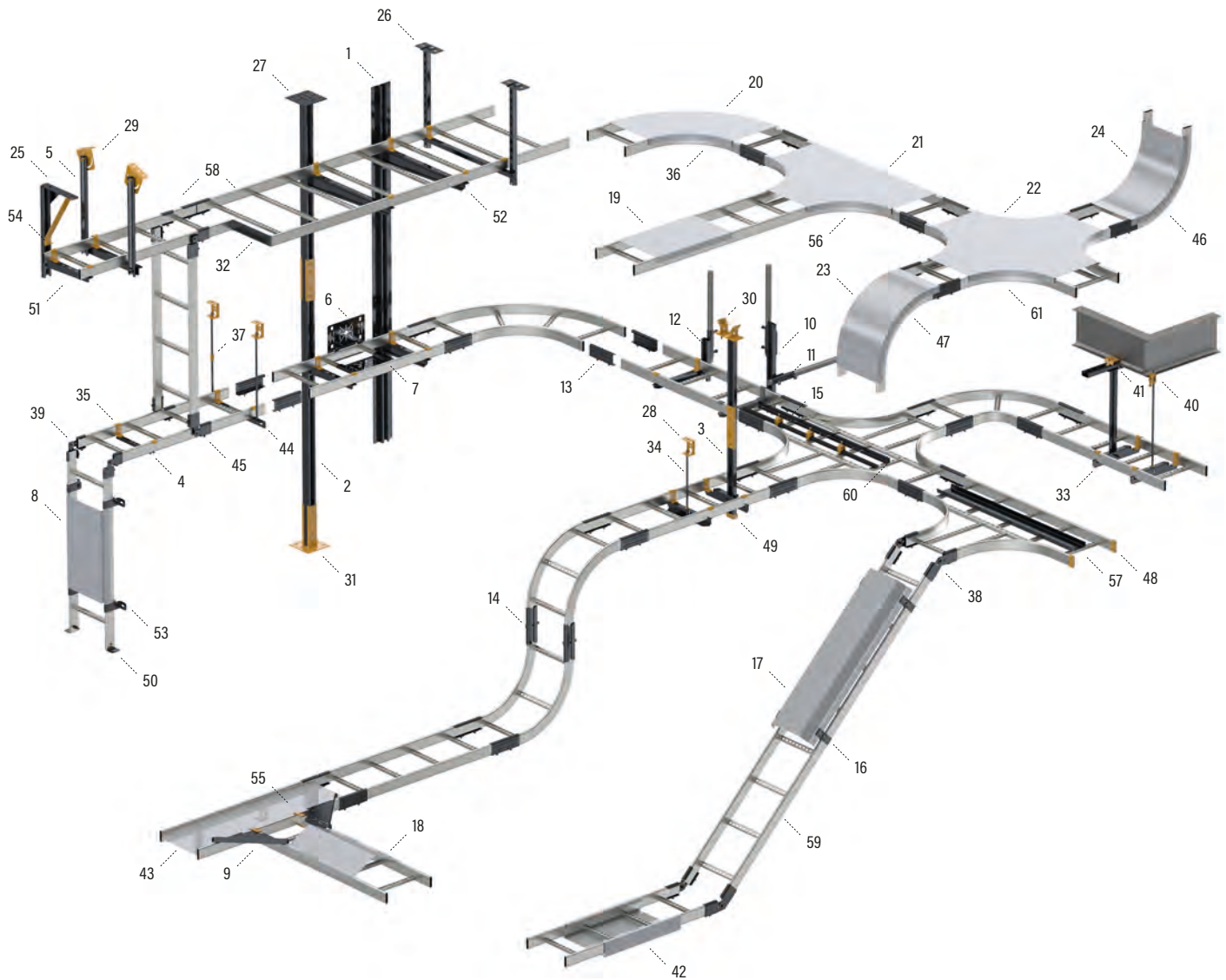
Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu










































KS80 / KS80 SP2.0 system

























































Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu

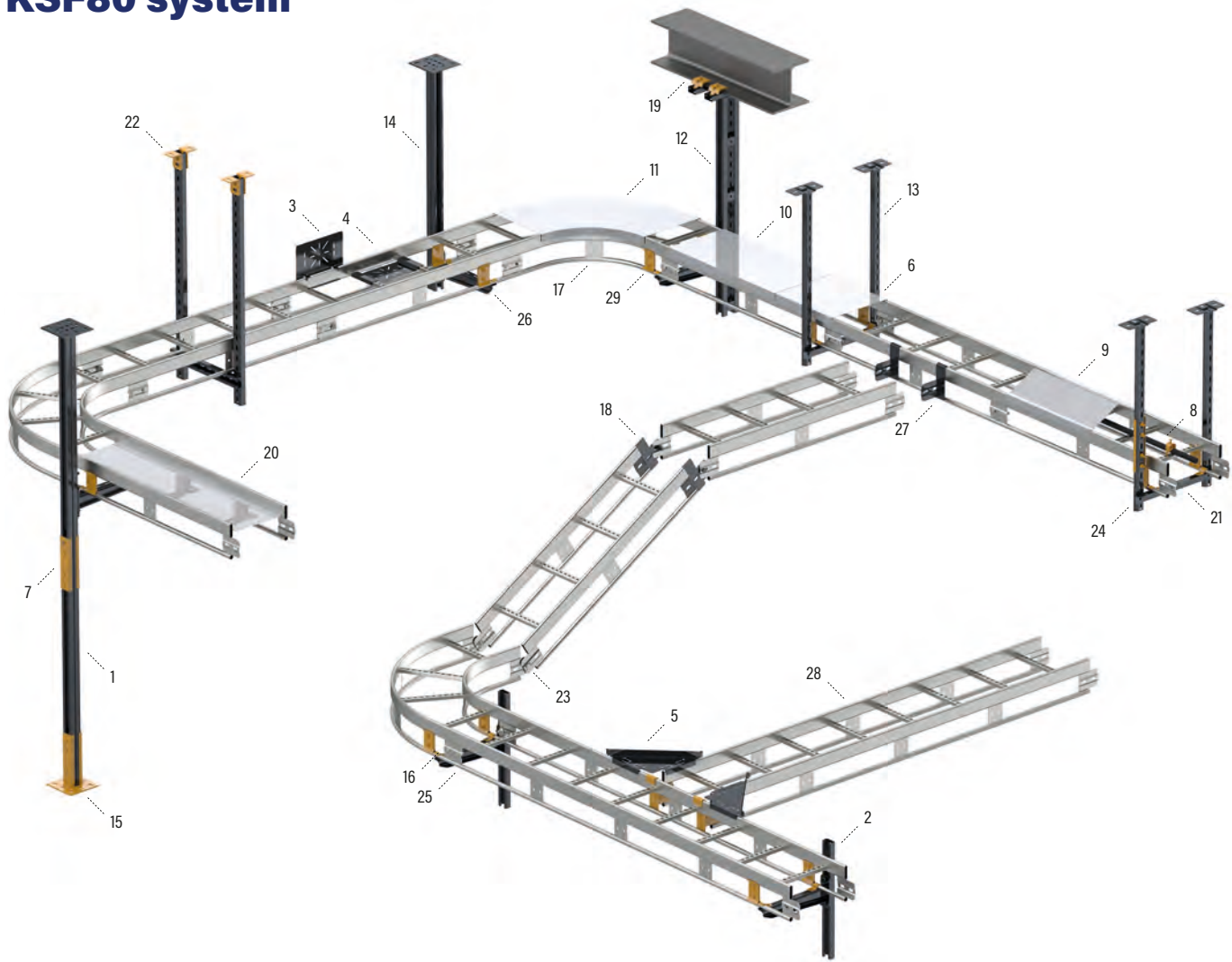


NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Wall mounting rail	AS WALL	 	1-65
2	Mounting rail	ASR	 	1-65
3	Mounting rail	ASR	 	1-65
4	Mounting rail	CK		1-68
5	Mounting rail	FP	  	1-68
6	Mounting plate	DPA	  	1-80
7	Mounting plate	DPB	  	1-82
8	Mounting plate	KL	 	1-83
9	Branching sheet	AG	 	1-44
10	Corrugated bar bracket	HTK-AS		1-76
11	Corrugated bar bracket	HTK-LK		1-77
12	Corrugated bar bracket	HTK-SK	 	1-77
13	Joint	SSR	  	1-36
14	Joint	SSU	 	1-36
15	Cable clamp	CCA	  	1-78
16	Cover bracket	KAP	  	1-84
17	Cover	SK	  	1-86
18	Cover	PSK	 	1-87
19	Cover	KRL-KS	 	1-85
20	Cover	KRL-KS90	 	1-91
21	Cover	KRL-KST	 	1-94
22	Cover	KRL-KSX	 	1-95
23	Cover	KRL-KSV	 	1-89
24	Cover	KRL-KSVI	 	1-90
25	Ceiling support	HK2		1-61
26	Ceiling support	TP1	 	1-56
27	Ceiling support	TP2	 	1-57
28	Ceiling bracket	RTF-10	   	1-72
29	Ceiling bracket	RTF-S	 	1-74
30	Ceiling bracket	TFP	 	1-74
31	Ceiling bracket	ASR-TF	 	1-62
32	Width-reduction piece	FM		1-39
33	Intermediate support	HK13	  	1-49
34	Threaded rod	GT-10	  	1-102
35	Bracket	KK	  	1-53

NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
36	Bend 90°	KS90	 	1-29
37	Extension nut	JM M10	 	1-104
38	Adjustable joint	NL-TK		1-42
39	Adjustable joint	NL	  	1-42
40	Beam bracket	PK1	 	1-70
41	Beam bracket	PK2		1-71
42	Bottom cover	PPU	 	1-96
43	Bottom plate	POL	 	1-96
44	Gate support	TPK	 	1-51
45	Adjustable joint	VEF 2		1-41
46	Vertical bend, inside	KSVI		1-35
47	Vertical bend, outside	KSV		1-34
48	End plug	ÄP		1-100
49	End plug	SP		1-100
50	End bracket	ÄF	 	1-40
51	Wall support	VK		1-45
52	Wall support	VKF	 	1-46
53	Wall bracket	VK2	  	1-52
54	Side support	ST		1-61
55	T-branch bracket	VF	  	1-41
56	T-piece	KST	 	1-31
57	Low voltage gutter	SR	  	1-97
58	Cable ladder	KS80	 	1-24
59	Cable ladder	KS80 SP2.0		1-25
60	Separation plate	AP	  	1-98
61	X-piece	KSX		1-33

-  White paint coat. Atmospheric-corrosivity category C1-C2
-  Black paint coat. Atmospheric-corrosivity category C1-C2
-  Grey paint coat. Atmospheric-corrosivity category C1-C2
-  Anodized aluminum. Atmospheric-corrosivity category C1-C2
-  Aluminum. Atmospheric-corrosivity category C1-C2
-  Electrogalvanized steel. Atmospheric-corrosivity category C1-C2
-  Pre-galvanized steel. Atmospheric-corrosivity category C1-C2
-  Hot-dip galvanized after manufacturing. Atmospheric-corrosivity category C1-C4
-  XPG coated. Atmospheric-corrosivity category C1-C4
-  Acid-proof steel. Atmospheric-corrosivity category C1-CX

KSF80 system

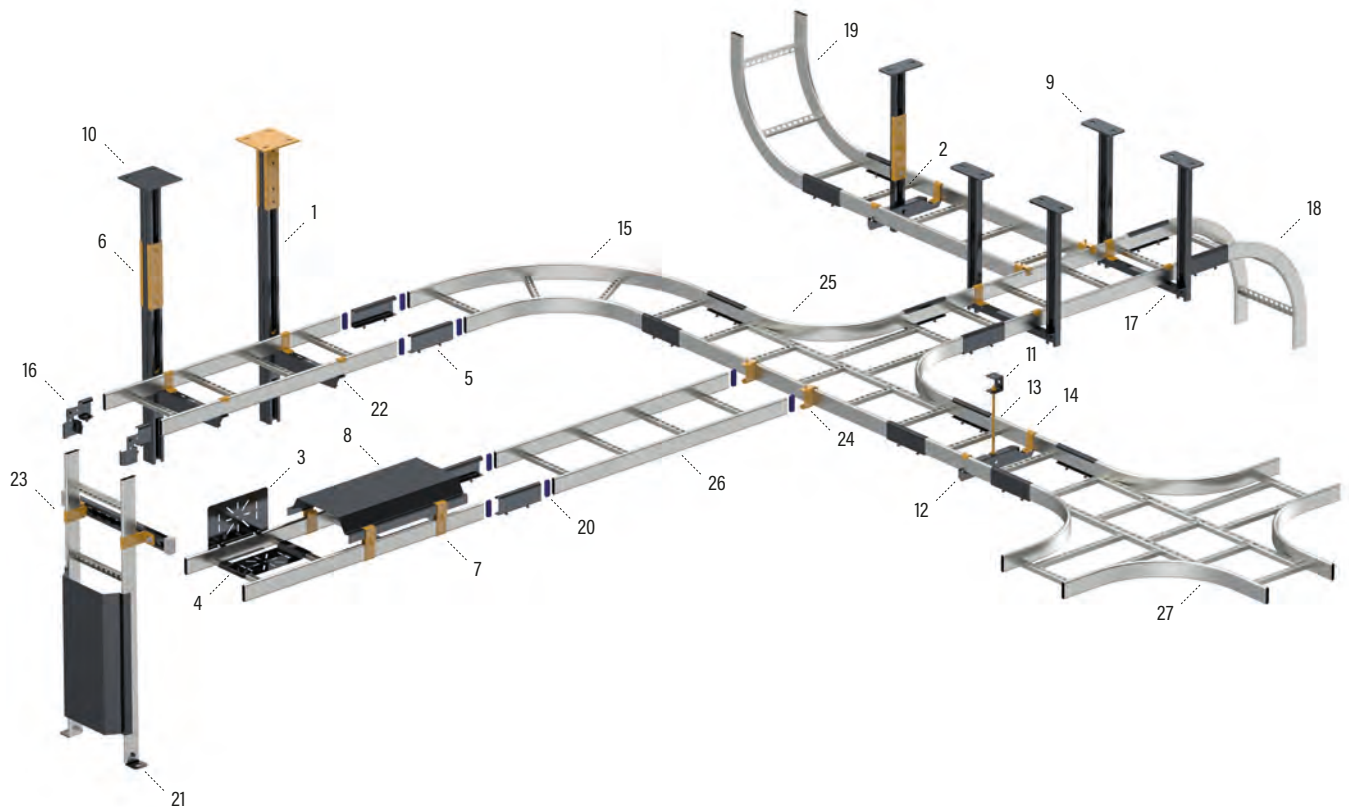


NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Mounting rail	ASR		1-65
2	Mounting rail	AS		1-62
3	Mounting plate	DPA		1-80
4	Mounting plate	DPB		1-82
5	Branching sheet	AG		1-44
6	Joint cover	KRL-J		1-88
7	Joint	JK		1-60
8	Cable clamp	CCA		1-78
9	Cover	PSK		1-87
10	Cover	KRL-KS		1-85
11	Cover	KRL-KS90		1-91
12	Ceiling support	TP2-L		1-58
13	Ceiling support	TP1		1-56
14	Ceiling support	TP2		1-57
15	Ceiling bracket	ASR-TF		1-62
16	Bracket	KKF		1-55
17	Bend 90°	KSF90		1-30
18	Adjustable joint	KSF-NL		1-43
19	Beam bracket	PK2		1-71

NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
20	Bottom plate	POL		1-96
21	Gate support	TPK		1-51
22	End bracket	ÄF		1-40
23	Bolt set	RS KSF		1-103
24	Bolt set	RS 2		1-103
25	Wall support	VK		1-45
26	Wall support	VKF		1-46
27	T-branch bracket	VFF		1-43
28	Cable ladder	KSF80		1-27
29	Side profile support	KSF-VT		1-55

- White paint coat. Atmospheric-corrosivity category C1-C2
- Black paint coat. Atmospheric-corrosivity category C1-C2
- Grey paint coat. Atmospheric-corrosivity category C1-C2
- Anodized aluminum. Atmospheric-corrosivity category C1-C2
- Aluminum. Atmospheric-corrosivity category C1-C2
- Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- XPG coated. Atmospheric-corrosivity category C1-C4
- Acid-proof steel. Atmospheric-corrosivity category C1-CX

KSE80 system

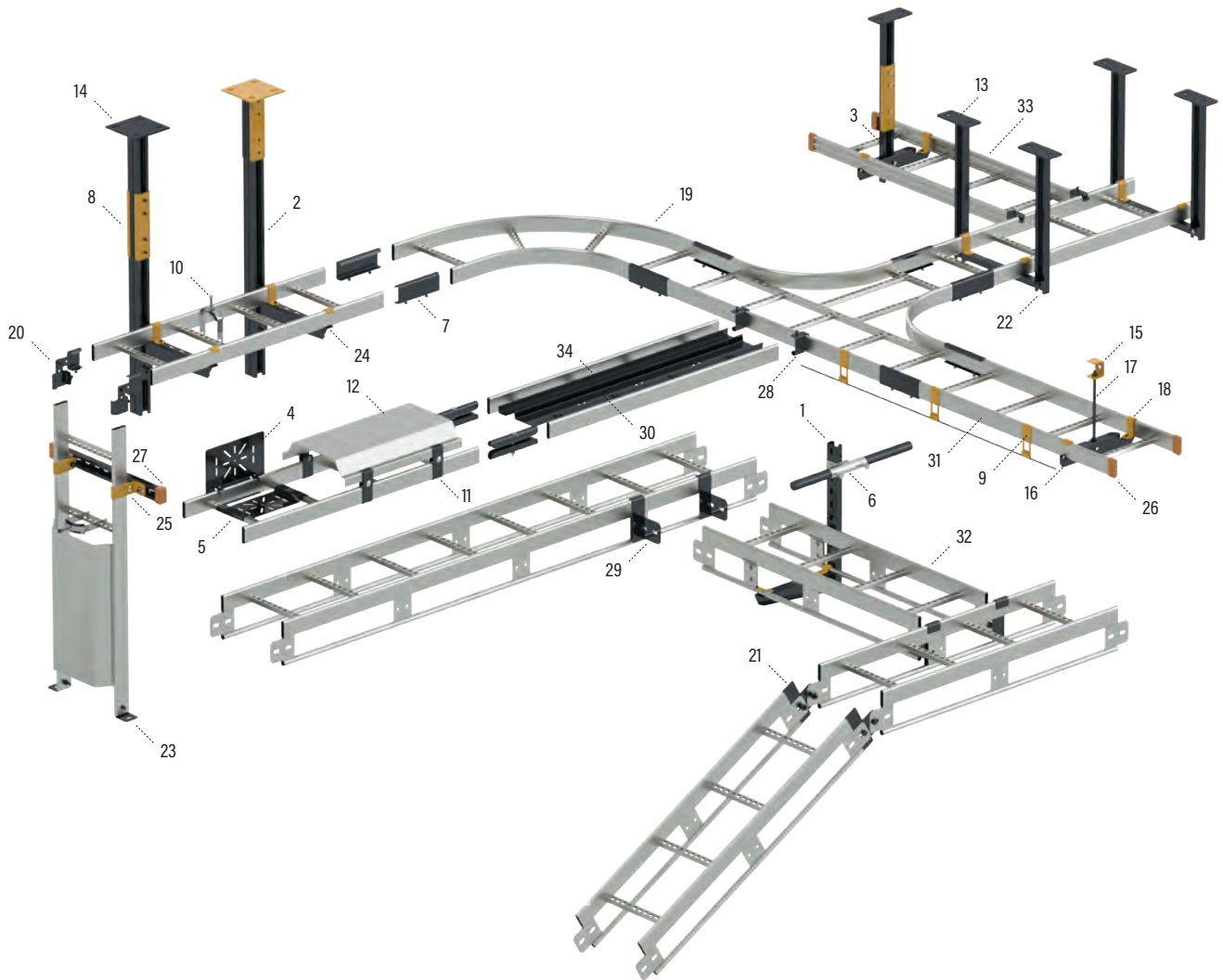























NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Mounting rail	ASR	HDG HST	1-65
2	Mounting rail	FP	PG HDG HST	1-68
3	Mounting plate	DPA	PG XPG HST	1-80
4	Mounting plate	DPB	PG XPG HST	1-82
5	Joint	SSR	PG HDG HST	1-36
6	Joint	JK	HDG HST	1-60
7	Cover bracket	KAP	PG HDG HST	1-84
8	Cover	SK	PG XPG HST	1-86
9	Ceiling support	TP1	HDG HST	1-56
10	Ceiling support	TP2	HDG HST	1-57
11	Ceiling bracket	RTF	M HDG HST	1-73
12	Intermediate support	HK13	PG HDG HST	1-49
13	Threaded rod	GT-16	EG HDG HST	1-102
14	Bracket	KK	PG HDG HST	1-53
15	Bend 90°	KSE90	HDG HST	1-30
16	Adjustable joint	NL	PG HDG HST	1-42
17	Gate support	TPK	PG XPG	1-51
18	Vertical bend, outside	KSVE	HDG HST	1-34
19	Vertical bend, inside	KSVIE	HDG HST	1-35












NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
20	End plug	EP		1-100
21	End bracket	ÄF	HDG HST	1-40
22	Wall support	VKF	HDG HST	1-46
23	Wall bracket	VK2	PG HDG HST	1-52
24	T-branch bracket	VF	PG HDG HST	1-41
25	T-piece	KSTE	HDG HST	1-32
26	Cable ladder for food industry	KSE80	HDG HST	1-26
27	X-piece	KSXE	HDG HST	1-33











- M White paint coat. Atmospheric-corrosivity category C1-C2
- B Black paint coat. Atmospheric-corrosivity category C1-C2
- G Grey paint coat. Atmospheric-corrosivity category C1-C2
- AD Anodized aluminum. Atmospheric-corrosivity category C1-C2
- AL Aluminum. Atmospheric-corrosivity category C1-C2
- EG Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- PG Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- HDG Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- XPG XPG coated. Atmospheric-corrosivity category C1-C4
- HST Acid-proof steel. Atmospheric-corrosivity category C1-CX

HST systems



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Mounting rail	AS		1-64
2	Mounting rail	ASR		1-65
3	Mounting rail	FP		1-68
4	Mounting plate	DPA		1-80
5	Mounting plate	DPB		1-82
6	Corrugated bar bracket	HTK-SK		1-77
7	Joint	SSR		1-36
8	Joint	JK		1-60
9	Bracket for cables	FDC		1-79
10	Cable clamp	CCA		1-78
11	Cover bracket	KAP		1-84
12	Cover	SK		1-86
13	Ceiling support	TP1		1-56
14	Ceiling support	TP2		1-57
15	Ceiling bracket	RTF		1-72
16	Intermediate support	HK13		1-49
17	Threaded rod	GT-16		1-102
18	Bracket	KK		1-53
19	Bend 90°	KS90		1-29
20	Adjustable joint	NL		1-42
21	Adjustable joint	KSF-NL		1-43

NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
22	Gate support	TPK		1-51
23	End bracket	ÄF		1-40
24	Wall support	VKF		1-46
25	Wall bracket	VK2		1-52
26	End plug	ÄP		1-100
27	End plug	SP		1-100
28	T-branch bracket	VF		1-41
29	T-branch bracket	VFF		1-43
30	Low voltage gutter	SR		1-97
31	Cable ladder	KS80		1-24
32	Cable ladder	KSF80		1-27
33	Cable ladder	KS20		1-21
34	Separation plate	AP		1-96

-  White paint coat. Atmospheric-corrosivity category C1-C2
-  Black paint coat. Atmospheric-corrosivity category C1-C2
-  Grey paint coat. Atmospheric-corrosivity category C1-C2
-  Anodized aluminum. Atmospheric-corrosivity category C1-C2
-  Aluminum. Atmospheric-corrosivity category C1-C2
-  Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
-  Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
-  Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
-  XPG coated. Atmospheric-corrosivity category C1-C4
-  Acid-proof steel. Atmospheric-corrosivity category C1-CX



Up-to-date and comprehensive product information, test results and example installations are available on our website.

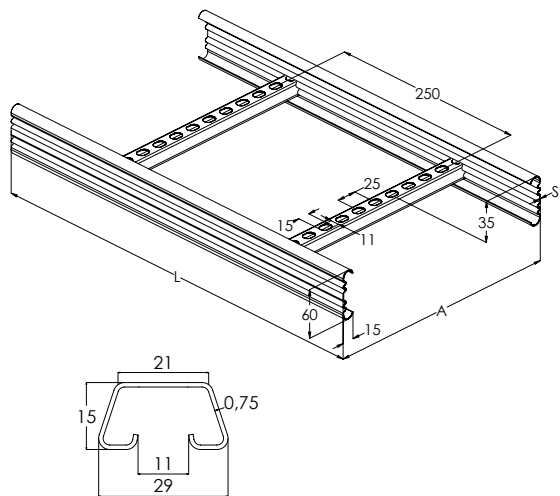
www.meka.eu

Cable ladder KS20 K



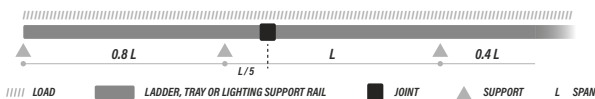
Multipurpose cable ladders KS20 K are suitable for lower and medium loading capacities. Open C-shaped side profiles enable using of interior supports and -joints that leaves a better look when cable ladders are installed. Mounting of KS20 K cable ladders is handy and pleasant because of their extra light weight and rounded side profiles.

Suitable joints for KS20 K cable ladders are SSC and SSR. For mounting can be used intermediate ceiling supports MK and HK13, gate supports PRT and wall supports VKZ, VKI and VK. Fastening ladders to supports can be made with brackets KK or KK-MK. For making simpler corners and bends are commonly used adjustable joints NL and T-brackets VF.



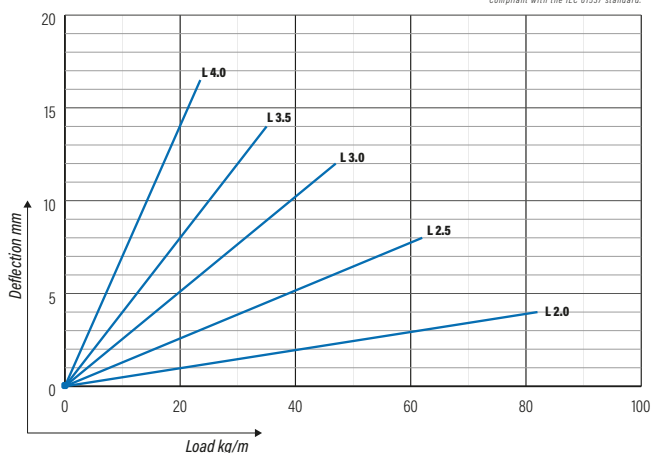
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1431802	KS20-200 K L=3000 PG	3.96	200	0.75	3000	10 PCE / 30 MTR
1431803	KS20-300 K L=3000 PG	4.49	300	0.75	3000	10 PCE / 30 MTR
1431804	KS20-400 K L=3000 PG	5.01	400	0.75	3000	10 PCE / 30 MTR
1431805	KS20-500 K L=3000 PG	5.54	500	0.75	3000	10 PCE / 30 MTR
1431806	KS20-600 K L=3000 PG	6.06	600	0.75	3000	10 PCE / 30 MTR
1431907	x KS20-200 K L=6000 PG	7.77	200	0.75	6000	10 PCE / 60 MTR
1431908	x KS20-300 K L=6000 PG	8.75	300	0.75	6000	10 PCE / 60 MTR
1431909	x KS20-400 K L=6000 PG	9.71	400	0.75	6000	10 PCE / 60 MTR
1431911	x KS20-500 K L=6000 PG	10.68	500	0.75	6000	10 PCE / 60 MTR
1431912	KS20-600 K L=6000 PG	11.64	600	0.75	6000	10 PCE / 60 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2



KS20 K

Compliant with the IEC 61537 standard.

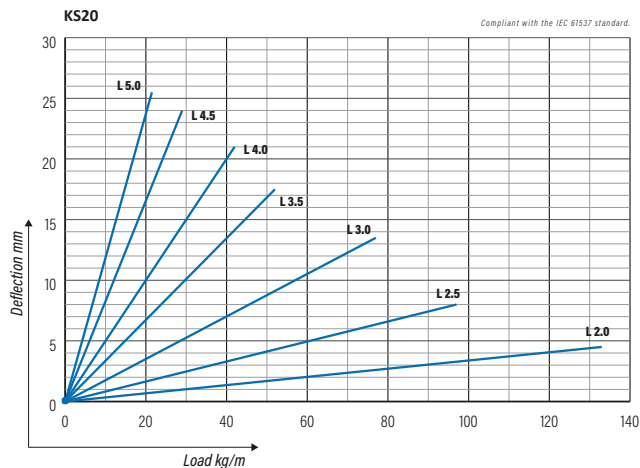
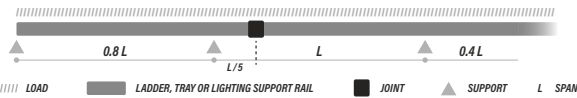
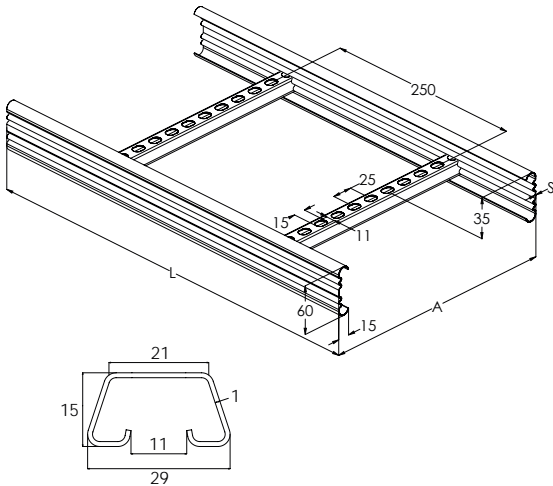


Cable ladder KS20



Multipurpose cable ladders KS20 are suitable for medium and higher loading capacities. Open C-shaped side profiles enable using of interior supports and -joints that leaves a better look when cable ladders are installed. Mounting of KS20 cable ladders is handy and pleasant because of their light weight and rounded side profiles.

Suitable joints for KS20 cable ladders are SSC and SSR. For mounting can be used intermediate ceiling supports MK and HK13, gate supports PRT and wall supports VKZ, VKI and VK. Fastening ladders to supports can be made with brackets KK or KK-MK. For making simpler corners and bends are commonly used adjustable joints NL and T-brackets VF.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1449401	x KS20-200 L=3000 PG	5.72	200	1	3000	10 PCE / 30 MTR
1449402	x KS20-300 L=3000 PG	6.2	300	1	3000	10 PCE / 30 MTR
1449403	KS20-400 L=3000 PG	6.72	400	1	3000	10 PCE / 30 MTR
1449404	KS20-500 L=3000 PG	6.89	500	1	3000	10 PCE / 30 MTR
1449405	KS20-600 L=3000 PG	7.98	600	1	3000	10 PCE / 30 MTR
1449502	x KS20-200 L=6000 PG	11.25	200	1	6000	10 PCE / 60 MTR
1449503	x KS20-300 L=6000 PG	12.13	300	1	6000	10 PCE / 60 MTR
1449504	x KS20-400 L=6000 PG	13.08	400	1	6000	10 PCE / 60 MTR
1449505	x KS20-500 L=6000 PG	13.78	500	1	6000	10 PCE / 60 MTR
1449506	x KS20-600 L=6000 PG	15.42	600	1	6000	10 PCE / 60 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1433112	KS20-200 L=3000 HDG	6.46	200	1	3000	10 PCE / 30 MTR
1433113	KS20-300 L=3000 HDG	7.01	300	1	3000	10 PCE / 30 MTR
1433114	KS20-400 L=3000 HDG	7.59	400	1	3000	10 PCE / 30 MTR
1433115	KS20-500 L=3000 HDG	8.03	500	1	3000	10 PCE / 30 MTR
1433116	KS20-600 L=3000 HDG	9.01	600	1	3000	10 PCE / 30 MTR
1433102	KS20-200 L=6000 HDG	12.72	200	1	6000	10 PCE / 60 MTR
1433103	KS20-300 L=6000 HDG	13.71	300	1	6000	10 PCE / 60 MTR
1433104	KS20-400 L=6000 HDG	14.78	400	1	6000	10 PCE / 60 MTR
1433105	KS20-500 L=6000 HDG	15.58	500	1	6000	10 PCE / 60 MTR
1433106	KS20-600 L=6000 HDG	17.42	600	1	6000	10 PCE / 60 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1430012	HST KS20-200 L=6000	11.36	200	1	6000	10 PCE / 60 MTR
1430013	HST KS20-300 L=6000	12.05	300	1	6000	10 PCE / 60 MTR
1430014	HST KS20-400 L=6000	13.13	400	1	6000	10 PCE / 60 MTR
1430015	HST KS20-500 L=6000	14.21	500	1	6000	10 PCE / 60 MTR
1430016	HST KS20-600 L=6000	15.3	600	1	6000	10 PCE / 60 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Cable ladder KS60



Multipurpose cable ladders KS60 are suitable for high loading capacities. Open C-shaped side profiles enable using of interior supports that leaves a better look when cable ladders are installed. Mounting of KS60 cable ladders is handy and pleasant because of their light weight and rounded side profiles.

Suitable joints for KS60 cable ladders is SSR. For mounting can be used intermediate ceiling supports MK and HK13, gate supports PRT and wall supports VKZ, VKI and VK. Fastening ladders to supports can be made with brackets KK or KK-MK. For making simpler corners and bends are commonly used adjustable joints NL and T-brackets VF.

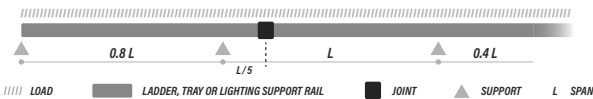
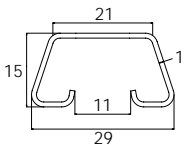
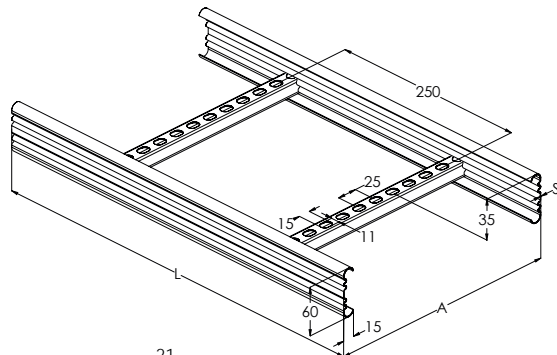


CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1433017	KS60-200 L=3000 PG	6.94	200	1.25	3000	10 PCE / 30 MTR
1433018	KS60-300 L=3000 PG	7.52	300	1.25	3000	10 PCE / 30 MTR
1433019	KS60-400 L=3000 PG	8.1	400	1.25	3000	10 PCE / 30 MTR
1433020	KS60-500 L=3000 PG	8.64	500	1.25	3000	10 PCE / 30 MTR
1433021	KS60-600 L=3000 PG	9.24	600	1.25	3000	10 PCE / 30 MTR
1433027	KS60-200 L=6000 PG	13.87	200	1.25	6000	10 PCE / 60 MTR
1433028	x KS60-300 L=6000 PG	15.04	300	1.25	6000	10 PCE / 60 MTR
1433029	KS60-400 L=6000 PG	16.19	400	1.25	6000	10 PCE / 60 MTR
1433030	x KS60-500 L=6000 PG	17.28	500	1.25	6000	10 PCE / 60 MTR
1433031	KS60-600 L=6000 PG	18.48	600	1.25	6000	10 PCE / 60 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

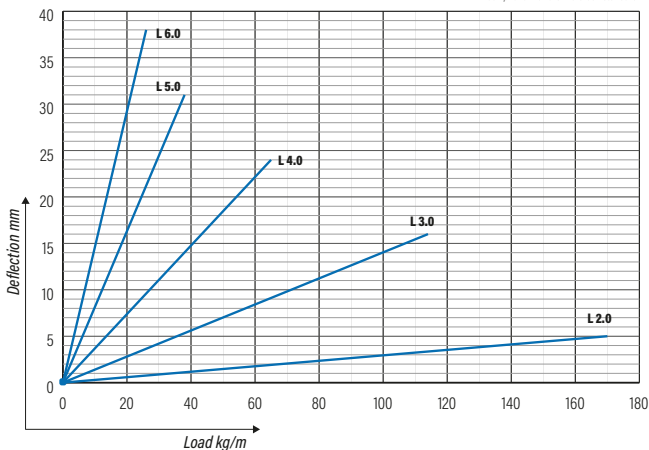
CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1433092	KS60-200 L=6000 HDG	15.26	200	1.25	6000	10 PCE / 60 MTR
1433093	KS60-300 L=6000 HDG	16.11	300	1.25	6000	10 PCE / 60 MTR
1433094	KS60-400 L=6000 HDG	16.94	400	1.25	6000	10 PCE / 60 MTR
1433095	KS60-500 L=6000 HDG	17.78	500	1.25	6000	10 PCE / 60 MTR
1433096	KS60-600 L=6000 HDG	18.61	600	1.25	6000	10 PCE / 60 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



KS60

Compliant with the IEC 61537 standard.

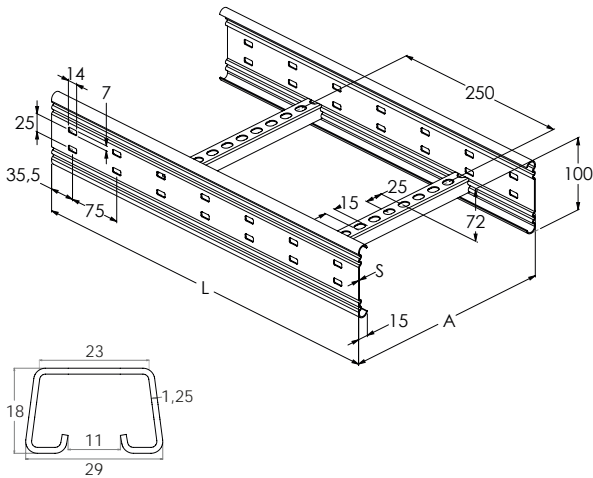
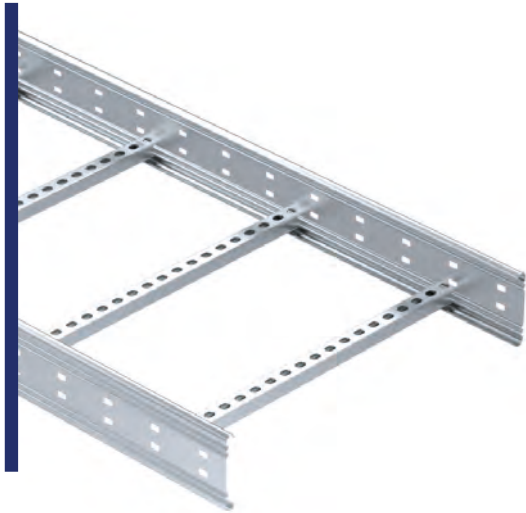


Cable ladder KS100



Multipurpose cable ladders KS100 with high edges are suitable for high loading capacities and wide spans. Higher cable space hides even thicker cables from view and damage. Perforated side profiles enable mounting of fixtures to sides of cable ladders. Cable ladders KS100 are used in industry and energy plants, as well as in large halls and warehouses.

Suitable joints for KS100 cable ladders are KS100 J. For mounting can be used intermediate ceiling supports HK13, gate supports PRT and TPK, wall supports VK and VKF. Fastening ladders to supports can be made with brackets KK100. For making simpler corners and bends are commonly used joints KS100 J, brackets KS100 VEF and KS100 UB.

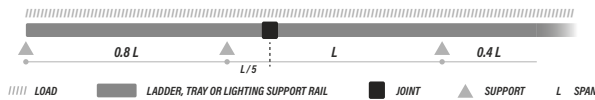


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1478105	x KS100-200 L=6000 PG	22.11	200	1.5	6000	6 PCE / 36 MTR
1478106	x KS100-300 L=6000 PG	23.7	300	1.5	6000	6 PCE / 36 MTR
1478107	x KS100-400 L=6000 PG	25.38	400	1.5	6000	6 PCE / 36 MTR
1478108	x KS100-500 L=6000 PG	27.01	500	1.5	6000	6 PCE / 36 MTR
1478109	x KS100-600 L=6000 PG	28.64	600	1.5	6000	6 PCE / 36 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

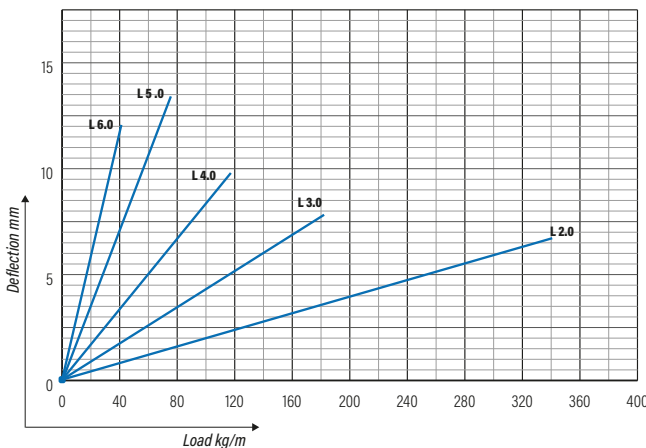
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1478179	KS100-200 L=6000 HDG	24.98	200	1.5	6000	6 PCE / 36 MTR
1478180	KS100-300 L=6000 HDG	26.78	300	1.5	6000	6 PCE / 36 MTR
1478181	KS100-400 L=6000 HDG	28.68	400	1.5	6000	6 PCE / 36 MTR
1478182	KS100-500 L=6000 HDG	30.52	500	1.5	6000	6 PCE / 36 MTR
1478183	KS100-600 L=6000 HDG	32.36	600	1.5	6000	6 PCE / 36 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



KS100

Compliant with the IEC 61537 standard.

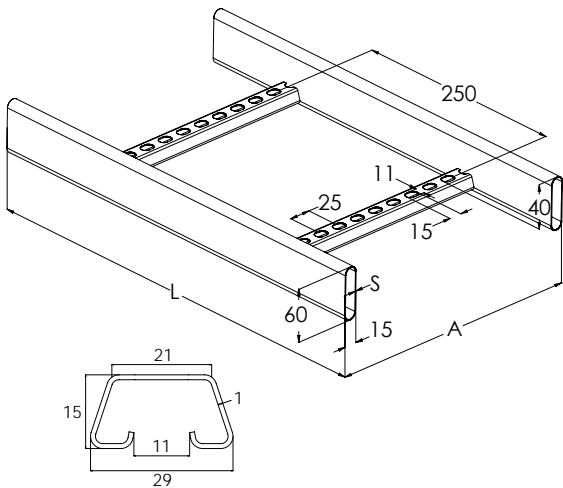


Cable ladder KS80



Industrial cable ladders KS80 are suitable for high loading capacities and wider spans. Tube side profiles protect ladders from dust, dirt and humidity that is required in i.e. pulp and paper-, wood- and food industry as well as in outdoor installations.

Suitable joints for KS80 cable ladders are SSR and SSU. For mounting can be used intermediate ceiling supports HK13, gate supports PRT and TPK, wall supports VK and VKF. Fastening ladders to supports can be made with brackets KK. For making simpler corners and bends are commonly used adjustable joints NL, NL-TK and T-brackets VF.

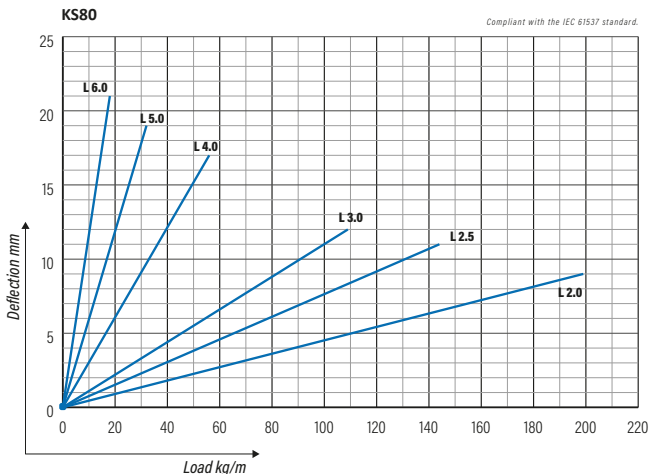
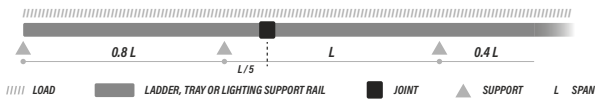


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1449406	KS80-150 L=3000 HDG	7.55	150	1	3000	10 PCE / 30 MTR
1449407	KS80-200 L=3000 HDG	8.18	200	1	3000	10 PCE / 30 MTR
1449408	KS80-300 L=3000 HDG	8.73	300	1	3000	10 PCE / 30 MTR
1449409	KS80-400 L=3000 HDG	9.37	400	1	3000	10 PCE / 30 MTR
1449410	KS80-500 L=3000 HDG	10.01	500	1	3000	10 PCE / 30 MTR
1449411	KS80-600 L=3000 HDG	10.64	600	1	3000	10 PCE / 30 MTR
1449521	x KS80-150 L=6000 HDG	15.11	150	1	6000	10 PCE / 60 MTR
1449522	x KS80-200 L=6000 HDG	16.36	200	1	6000	10 PCE / 60 MTR
1449523	x KS80-300 L=6000 HDG	17.47	300	1	6000	10 PCE / 60 MTR
1449524	x KS80-400 L=6000 HDG	18.74	400	1	6000	10 PCE / 60 MTR
1449525	x KS80-500 L=6000 HDG	20.01	500	1	6000	10 PCE / 60 MTR
1449526	x KS80-600 L=6000 HDG	21.28	600	1	6000	10 PCE / 60 MTR
1449527	KS80-700 L=6000 HDG	22.56	700	1	6000	10 PCE / 60 MTR
1449528	KS80-800 L=6000 HDG	23.83	800	1	6000	10 PCE / 60 MTR
1449529	KS80-900 L=6000 HDG	25.1	900	1	6000	10 PCE / 60 MTR
1449530	KS80-1000 L=6000 HDG	26.64	1000	1	6000	10 PCE / 60 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 :

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1430001	HST KS80-150 L=6000	14.56	150	1	6000	10 PCE / 60 MTR
1430002	HST KS80-200 L=6000	15.12	200	1	6000	10 PCE / 60 MTR
1430003	x HST KS80-300 L=6000	15.9	300	1	6000	10 PCE / 60 MTR
1430004	HST KS80-400 L=6000	17	400	1	6000	10 PCE / 60 MTR
1430005	x HST KS80-500 L=6000	18.15	500	1	6000	10 PCE / 60 MTR
1430006	HST KS80-600 L=6000	19.3	600	1	6000	10 PCE / 60 MTR
1430010	HST KS80-1000 L=6000	24.18	1000	1	6000	10 PCE / 60 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



Cable ladder KS80 SP2.0



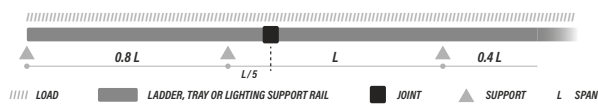
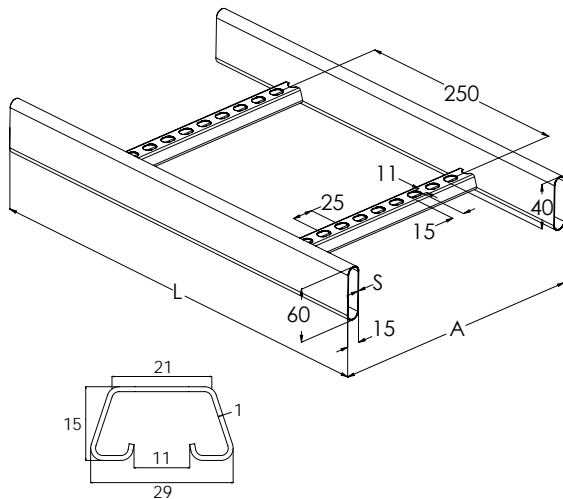
Industrial cable ladders KS80 SP2.0 are suitable for high loading capacities and wider spans. Tube side profiles protect ladders from dust, dirt and humidity that is required in i.e. pulp and paper-, wood- and food industry as well as in outdoor installations.

Suitable joints for KS80 SP2.0 cable ladders are SSR and SSU. For mounting can be used intermediate ceiling supports HK13, gate supports PRT and TPK, wall supports VK and VKF. Fastening ladders to supports can be made with brackets KK. For making simpler corners and bends are commonly used adjustable joints NL, NL-TK and T-brackets VF.



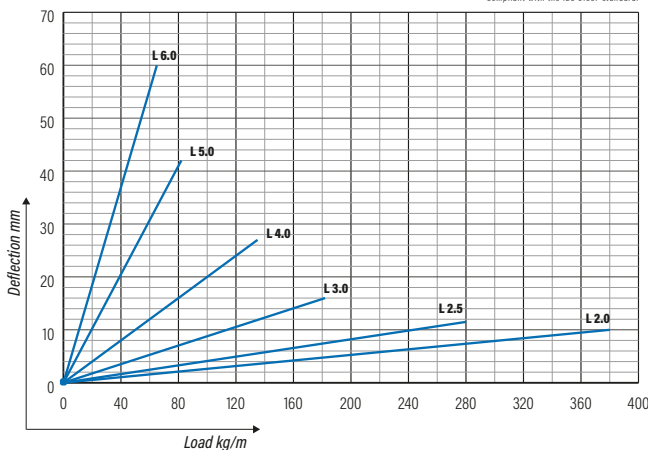
CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1449507	KS80-200 SP2.0 L=6000 HDG	29.57	200	2	6000	10 PCE / 60 MTR
1449508	KS80-300 SP2.0 L=6000 HDG	30.84	300	2	6000	10 PCE / 60 MTR
1449509	KS80-400 SP2.0 L=6000 HDG	32.11	400	2	6000	10 PCE / 60 MTR
1449510	KS80-500 SP2.0 L=6000 HDG	33.38	500	2	6000	10 PCE / 60 MTR
1449511	KS80-600 SP2.0 L=6000 HDG	34.66	600	2	6000	10 PCE / 60 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



KS80 SP2.0

Compliant with the IEC 61537 standard.

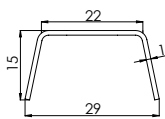
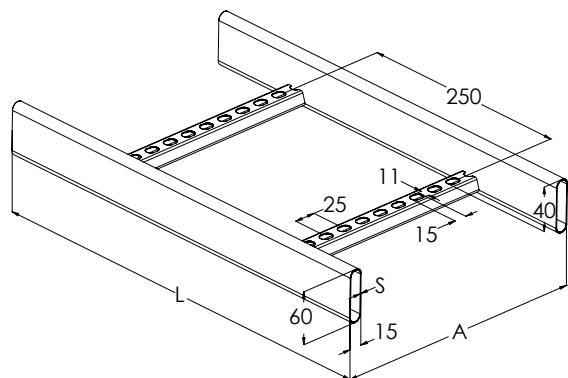


Cable ladder for food industry KSE80



Cable ladders KSE80 are suitable to use especially in food industry. Tube side profiles and special rungs enable cleaning and meet the food industry's hygiene requirements.

Suitable joints for KSE80 cable ladders are SSR. For mounting can be used intermediate ceiling supports HK13, gate supports PRT and TPK, wall supports VK and VKF. Fastening ladders to supports can be made with brackets KK. For making simpler corners and bends are commonly used adjustable joints NL, NL-TK and T-brackets VF.

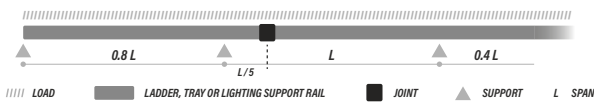


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1449891	KSE80-150 L=6000 HDG	14.97	150	1	6000	10 PCE / 60 MTR
1449892	KSE80-200 L=6000 HDG	15.48	200	1	6000	10 PCE / 60 MTR
1449893	KSE80-300 L=6000 HDG	16.5	300	1	6000	10 PCE / 60 MTR
1449894	KSE80-400 L=6000 HDG	17.52	400	1	6000	10 PCE / 60 MTR
1449895	KSE80-500 L=6000 HDG	18.54	500	1	6000	10 PCE / 60 MTR
1449896	KSE80-600 L=6000 HDG	19.57	600	1	6000	10 PCE / 60 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

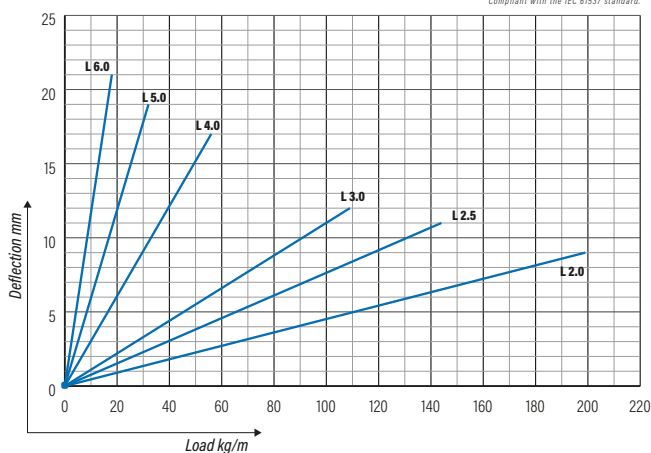
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1430101	HST KSE80-150 L=6000	14.21	150	1	6000	10 PCE / 60 MTR
1430102	HST KSE80-200 L=6000	14.77	200	1	6000	10 PCE / 60 MTR
1430103	HST KSE80-300 L=6000	15.31	300	1	6000	10 PCE / 60 MTR
1430104	HST KSE80-400 L=6000	17.01	400	1	6000	10 PCE / 60 MTR
1430105	HST KSE80-500 L=6000	18.13	500	1	6000	10 PCE / 60 MTR
1430106	HST KSE80-600 L=6000	19.25	600	1	6000	10 PCE / 60 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



KSE80

Compliant with the IEC 61537 standard.

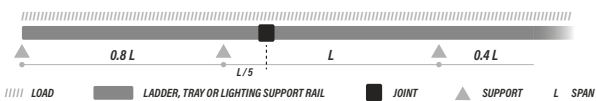
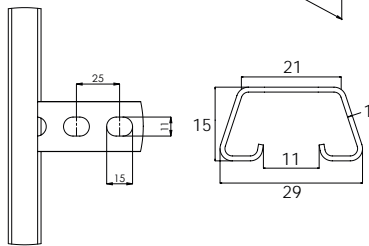
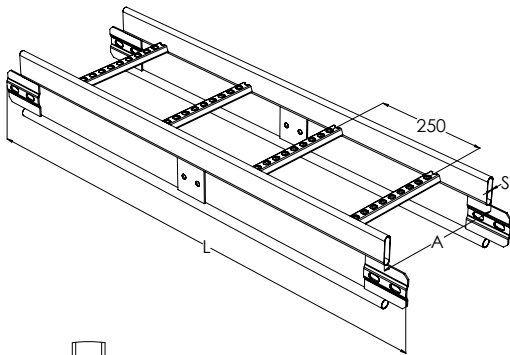


Cable ladder KSF80



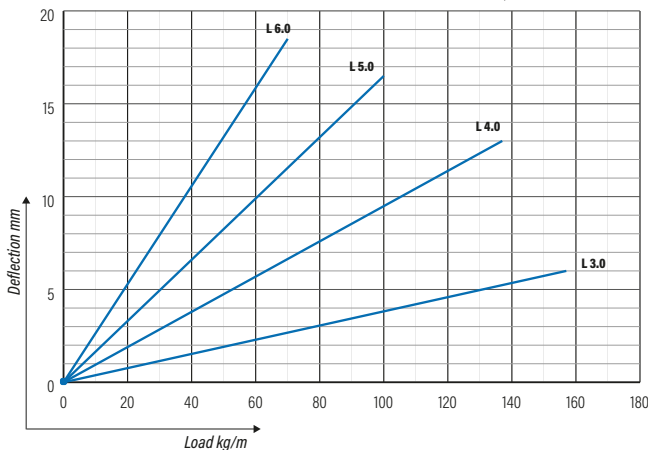
Reinforced cable ladders KSF80 are suitable for high loading capacities and wide spans in industrial and outdoor installations.

For connecting KSF80 cable ladders joint pieces SSA and 4 bolt sets RS KSF can be used. Mostly used supports for mounting KSF80 cable ladders are gate supports TPK and VK-type wall supports. For fixing cable ladders to supports brackets KKF can be used.



KSF80

Compliant with the IEC 61537 standard.

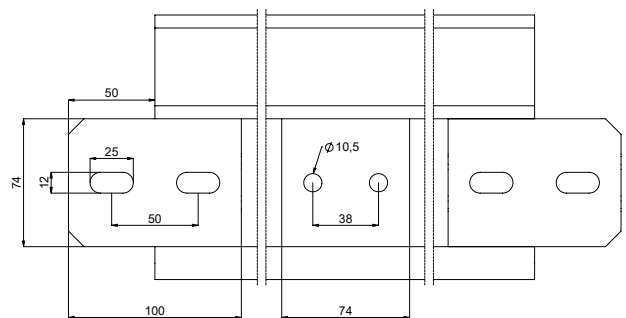
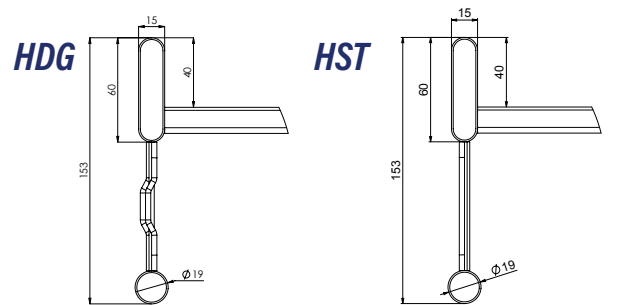


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1449532	x KSF80-200 L=6000 HDG	25.14	200	1	6100	4 PCE / 24 MTR
1449533	x KSF80-300 L=6000 HDG	26.38	300	1	6100	4 PCE / 24 MTR
1449534	KSF80-400 L=6000 HDG	27.61	400	1	6100	4 PCE / 24 MTR
1449535	x KSF80-500 L=6000 HDG	28.84	500	1	6100	4 PCE / 24 MTR
1449536	x KSF80-600 L=6000 HDG	30.08	600	1	6100	4 PCE / 24 MTR

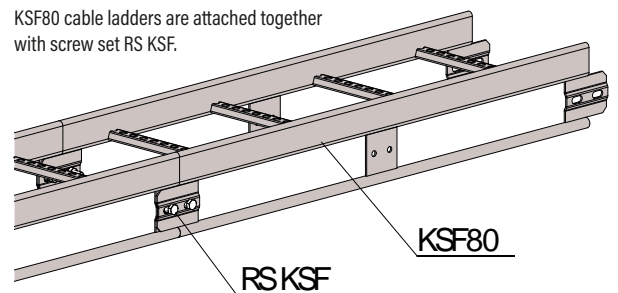
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	S mm	L mm	PACKAGE
1430021	HST KSF80-150 L=6000	23.16	150	1	6100	4 PCE / 24 MTR
1430022	HST KSF80-200 L=6000	23.74	200	1	6100	4 PCE / 24 MTR
1430023	HST KSF80-300 L=6000	24.91	300	1	6100	4 PCE / 24 MTR
1430024	HST KSF80-400 L=6000	26.08	400	1	6100	4 PCE / 24 MTR
1430025	HST KSF80-500 L=6000	27.24	500	1	6100	4 PCE / 24 MTR
1430026	HST KSF80-600 L=6000	28.41	600	1	6100	4 PCE / 24 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



KSF80 cable ladders are attached together with screw set RS KSF.



Bend 45° KS45



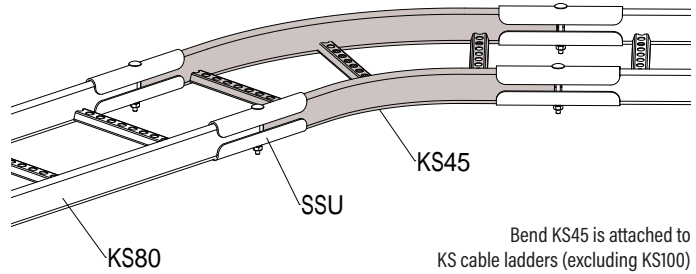
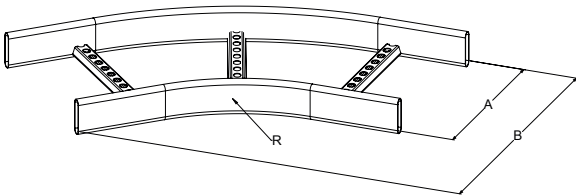
Bends KS45 are used to make 45° angles for KS20-, KS60- and KS80-type cable ladders when the bending radius of cables or other needs require this. KS45 bends' inside radius options is R=300 mm.

Bends can be connected to cable ladders by using joints SSR or SSU.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1449211	KS45-150 R=300 HDG	1.5	150	344	300	10 PCE
1449212	KS45-200 R=300 HDG	1.64	200	394	300	10 PCE
1449213	KS45-300 R=300 HDG	1.88	300	494	300	10 PCE
1449214	KS45-400 R=300 HDG	2.12	400	594	300	10 PCE
1449215	KS45-500 R=300 HDG	2.44	500	694	300	10 PCE
1449216	KS45-600 R=300 HDG	2.7	600	794	300	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



Bend KS45 is attached to KS cable ladders (excluding KS100) with joints SSU or SSR.



Bend 90° KS90

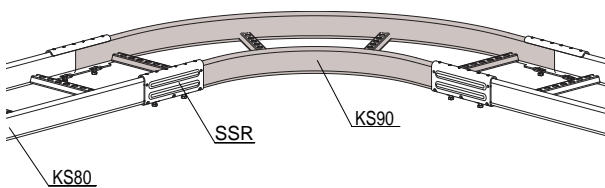
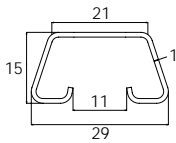
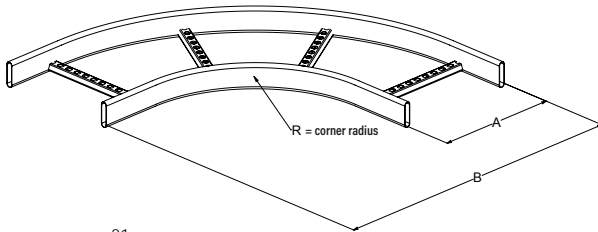


Bends KS90 are used to make 90° angles for KS20-, KS60- and KS80-type cable ladders when the bending radius of cables or other needs require this. KS90 bends' inside radius options are R=100 mm, R=300 mm, R=600 mm and R=1000 mm.

Bends can be connected to cable ladders by using joints SSR or SSU.



Please note!
The product available
to order with radius
R=1000 mm.



Bend KS90 is attached to KS cable ladders (excluding KS100) with joints SSR or SSU.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1449560	x KS90-200 R=100 HDG	1.66	200	450	100	10 PCE
1449561	x KS90-300 R=100 HDG	1.99	300	550	100	10 PCE
1449562	KS90-400 R=100 HDG	2.32	400	650	100	10 PCE
1449563	x KS90-500 R=100 HDG	2.9	500	750	100	10 PCE
1449564	KS90-600 R=100 HDG	3.28	600	850	100	10 PCE
1449547	KS90-150 R=300 HDG	2.27	150	600	300	10 PCE
1449548	x KS90-200 R=300 HDG	2.46	200	650	300	10 PCE
1449549	x KS90-300 R=300 HDG	2.84	300	750	300	10 PCE
1449550	x KS90-400 R=300 HDG	3.23	400	850	300	10 PCE
1449551	x KS90-500 R=300 HDG	3.85	500	950	300	10 PCE
1449552	x KS90-600 R=300 HDG	4.29	600	1050	300	10 PCE
1449807	KS90-700 R=300 HDG	5.07	700	1150	300	10 PCE
1449808	KS90-800 R=300 HDG	5.55	800	1250	300	10 PCE
1449809	KS90-900 R=300 HDG	6.49	900	1350	300	10 PCE
1449810	KS90-1000 R=300 HDG	7.31	1000	1450	300	10 PCE
1449541	KS90-150 R=600 HDG	3.41	150	885	600	10 PCE
1449542	KS90-200 R=600 HDG	3.65	200	935	600	10 PCE
1449543	x KS90-300 R=600 HDG	4.14	300	1035	600	10 PCE
1449544	KS90-400 R=600 HDG	4.62	400	1135	600	10 PCE
1449545	x KS90-500 R=600 HDG	5.35	500	1235	600	10 PCE
1449546	KS90-600 R=600 HDG	5.89	600	1335	600	10 PCE
1449847	KS90-700 R=600 HDG	6.43	700	1435	600	10 PCE
1449848	KS90-800 R=600 HDG	6.97	800	1535	600	10 PCE
1449849	KS90-900 R=600 HDG	7.95	900	1635	600	10 PCE
1449850	KS90-1000 R=600 HDG	8.89	1000	1735	600	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1430051	HST KS90-150 R=300	2.14	150	600	300	10 PCE
1430052	HST KS90-200 R=300	2.32	200	650	300	10 PCE
1430053	HST KS90-300 R=300	2.68	300	750	300	10 PCE
1430054	HST KS90-400 R=300	3.05	400	850	300	10 PCE
1430055	HST KS90-500 R=300	3.64	500	950	300	10 PCE
1430056	HST KS90-600 R=300	4.05	600	1050	300	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Bend 90° KSE90



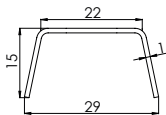
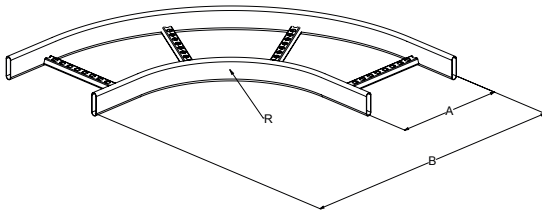
Bends KSE90 are used to make 90° angles for food industry cable ladders KSE80 when the bending radius of cables or other needs require this. KSE90 bends' inside radius is R=300 mm.

Bends can be connected to cable ladders by using joints SSR.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1432941	KSE90-150 R=300 HDG	2.22	150	600	300	1 PCE
1432942	KSE90-200 R=300 HDG	2.38	200	650	300	1 PCE
1432943	KSE90-300 R=300 HDG	2.71	300	750	300	1 PCE
1432944	KSE90-400 R=300 HDG	3.05	400	850	300	1 PCE
1432945	KSE90-500 R=300 HDG	3.56	500	950	300	1 PCE
1432946	KSE90-600 R=300 HDG	3.94	600	1050	300	1 PCE

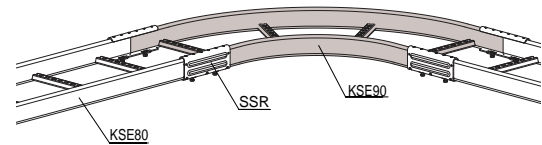
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1430111	HST KSE90-150 R=300	2.09	150	600	300	1 PCE
1430112	HST KSE90-200 R=300	2.24	200	650	300	1 PCE
1430113	HST KSE90-300 R=300	2.55	300	750	300	1 PCE
1430114	HST KSE90-400 R=300	2.87	400	850	300	1 PCE
1430115	HST KSE90-500 R=300	3.35	500	950	300	1 PCE
1430116	HST KSE90-600 R=300	3.7	600	1050	300	1 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Bend KSE90 is attached to KSE cable ladders with joint SSR.

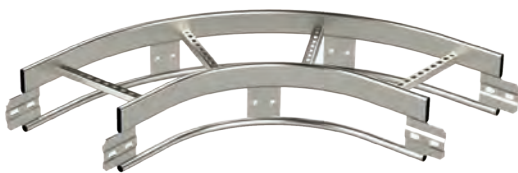


Bend 90° KSF90



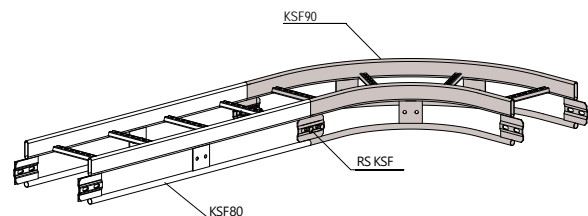
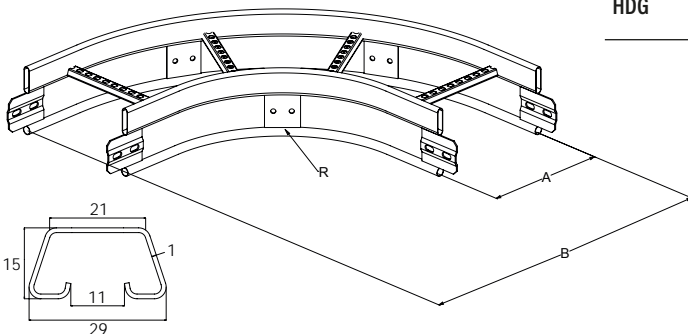
Bends KSF90 are used to make 90° angles for reinforced cable ladders KSF80 when the bending radius of cables or other needs require this. KSF90 bends' inside radius is R=300 mm.

Bends can be connected to cable ladders by using bolt sets RS KSF. For one connection 4 bolt sets are needed.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1449441	KSF90-200 R=300 HDG	4.46	200	650	300	8 PCE
1449442	KSF90-300 R=300 HDG	4.92	300	750	300	8 PCE
1449443	KSF90-400 R=300 HDG	5.38	400	850	300	8 PCE
1449444	KSF90-500 R=300 HDG	6.21	500	950	300	8 PCE
1449445	KSF90-600 R=300 HDG	6.72	600	1050	300	8 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



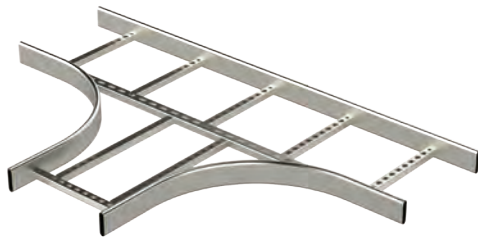
Bend KSF90 is attached to KSF cable ladders with screw sets RS KSF.

T-piece KST

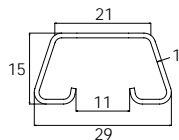
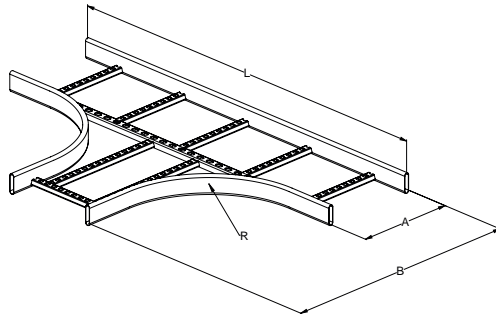


T-pieces KST are used to make T-junctions for KS20-, KS60- and KS80-type cable ladders when the bending radius of cables or other needs require this. KST inside radius options are R=300 mm, R=600 mm and R=1000 mm.

T-pieces can be connected to cable ladders by using joints SSR or SSU.



Please note!
The product available
to order with radius
R=1000 mm.



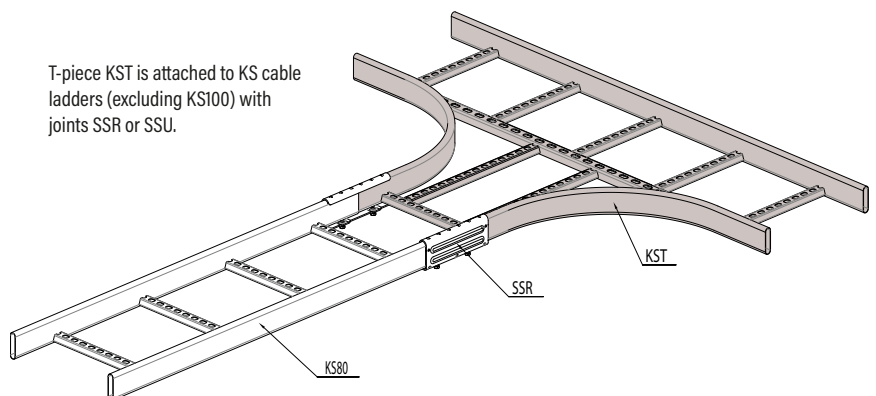
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	L mm	R mm	PACKAGE
1449568	KST-150 R=300 HDG	4.46	150	600	1050	300	10 PCE
1449569	KST-200 R=300 HDG	4.73	200	650	1100	300	10 PCE
1449570	x KST-300 R=300 HDG	5.24	300	750	1200	300	10 PCE
1449571	KST-400 R=300 HDG	5.76	400	850	1300	300	10 PCE
1449572	x KST-500 R=300 HDG	6.52	500	950	1400	300	10 PCE
1449573	KST-600 R=300 HDG	7.11	600	1050	1500	300	10 PCE
1449817	KST-700 R=300 HDG	8.01	700	1150	1600	300	10 PCE
1449818	KST-800 R=300 HDG	8.83	800	1250	1700	300	10 PCE
1449819	KST-900 R=300 HDG	9.45	900	1350	1800	300	10 PCE
1449820	KST-1000 R=300 HDG	10.76	1000	1450	1900	300	10 PCE
1449582	KST-150 R=600 HDG	6.89	150	885	1620	600	5 PCE
1449583	KST-200 R=600 HDG	7.26	200	935	1670	600	5 PCE
1449584	KST-300 R=600 HDG	8	300	1035	1770	600	5 PCE
1449585	KST-400 R=600 HDG	8.74	400	1135	1870	600	5 PCE
1449586	KST-500 R=600 HDG	9.68	500	1235	1970	600	5 PCE
1449587	KST-600 R=600 HDG	10.47	600	1335	2070	600	5 PCE
1449837	KST-700 R=600 HDG	11.58	700	1435	2170	600	5 PCE
1449838	KST-800 R=600 HDG	12.42	800	1535	2270	600	5 PCE
1449839	KST-900 R=600 HDG	13.69	900	1635	2370	600	5 PCE
1449840	KST-1000 R=600 HDG	14.58	1000	1735	2470	600	5 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	L mm	R mm	PACKAGE
1430091	HST KST-150 R=300	4.17	150	600	1050	300	10 PCE
1430092	HST KST-200 R=300	4.41	200	650	1100	300	10 PCE
1430093	HST KST-300 R=300	4.9	300	750	1200	300	10 PCE
1430094	HST KST-400 R=300	5.39	400	850	1300	300	10 PCE
1430095	HST KST-500 R=300	6.09	500	950	1400	300	10 PCE
1430096	HST KST-600 R=300	6.64	600	1050	1500	300	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

T-piece KST is attached to KS cable ladders (excluding KS100) with joints SSR or SSU.

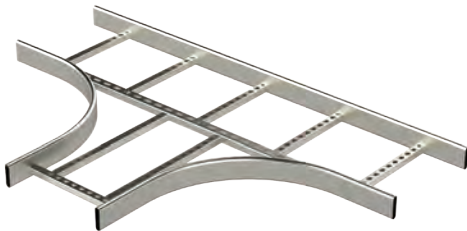


T-piece KSTE



T-pieces KSTE are used to make T-junctions for food industry cable ladders KSE80 when the bending radius of cables or other needs require this. KSTE inside radius is R=300 mm.

T-pieces can be connected to cable ladders by using joints SSR.

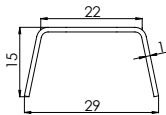
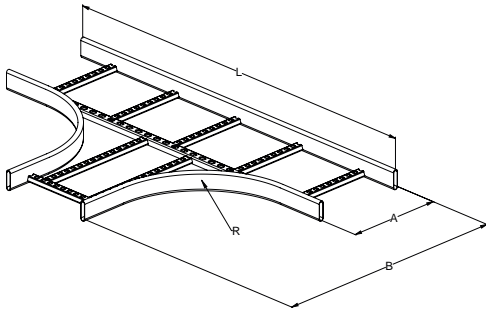


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	L mm	R mm	PACKAGE
1432951	KSTE-150 R=300 HDG	4.3	150	600	1050	300	1 PCE
1432952	KSTE-200 R=300 HDG	4.53	200	650	1100	300	1 PCE
1432953	KSTE-300 R=300 HDG	4.98	300	750	1200	300	1 PCE
1432954	KSTE-400 R=300 HDG	5.44	400	850	1300	300	1 PCE
1432955	KSTE-500 R=300 HDG	6.08	500	950	1400	300	1 PCE
1432956	KSTE-600 R=300 HDG	6.59	600	1050	1500	300	1 PCE

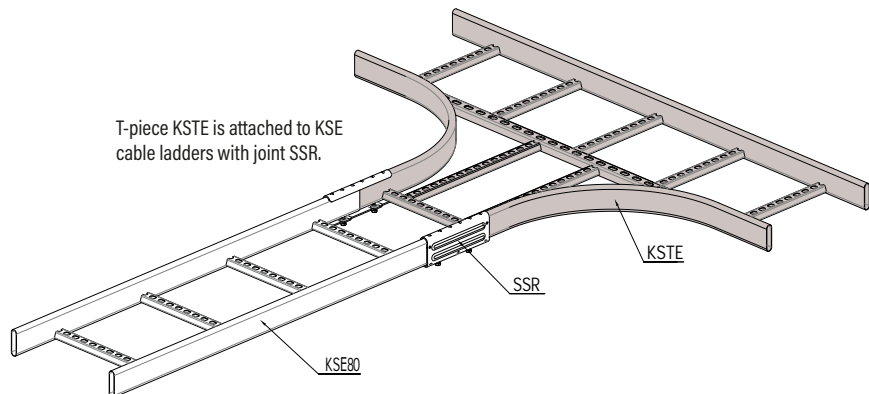
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	L mm	R mm	PACKAGE
1430121	HST KSTE-150 R=300	4.01	150	600	1050	300	1 PCE
1430122	HST KSTE-200 R=300	4.21	200	650	1100	300	1 PCE
1430123	HST KSTE-300 R=300	4.64	300	750	1200	300	1 PCE
1430124	HST KSTE-400 R=300	5.06	400	850	1300	300	1 PCE
1430125	HST KSTE-500 R=300	5.65	500	950	1400	300	1 PCE
1430126	HST KSTE-600 R=300	6.12	600	1050	1500	300	1 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



T-piece KSTE is attached to KSE cable ladders with joint SSR.



Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu

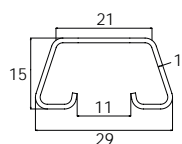
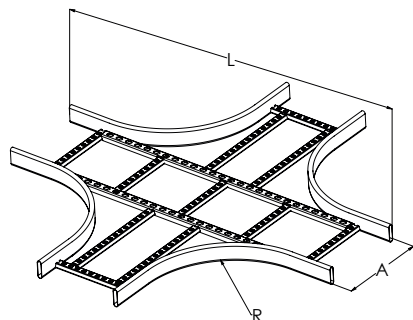


X-piece KSX



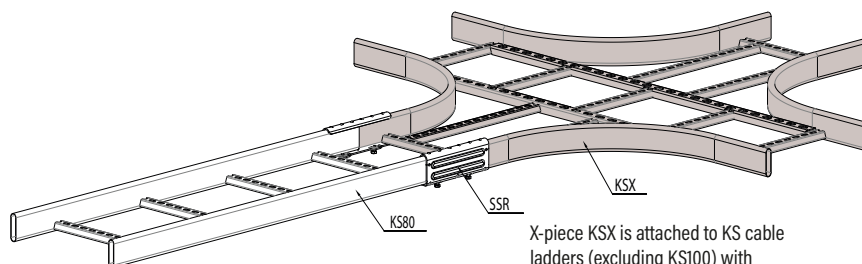
X-pieces KSX are used to make X-junctions for KS20, KS60- and KS80-type cable ladders when the bending radius of cables or other needs require this. KSX inside radius is R=300 mm.

X-pieces can be connected to cable ladders by using joints SSR or SSU.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	R mm	PACKAGE
1449576	KSX-150 R=300 HDG	6.05	150	1050	300	10 PCE
1449577	KSX-200 R=300 HDG	6.32	200	1100	300	10 PCE
1449578	KSX-300 R=300 HDG	6.85	300	1200	300	10 PCE
1449579	KSX-400 R=300 HDG	7.39	400	1300	300	10 PCE
1449580	KSX-500 R=300 HDG	8.15	500	1400	300	10 PCE
1449581	KSX-600 R=300 HDG	8.74	600	1500	300	10 PCE
1449827	KSX-700 R=300 HDG	10.03	700	1600	300	10 PCE
1449828	KSX-800 R=300 HDG	10.67	800	1700	300	10 PCE
1449829	KSX-900 R=300 HDG	11.31	900	1800	300	10 PCE
1449830	KSX-1000 R=300 HDG	12.42	1000	1900	300	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



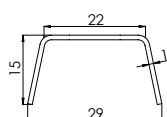
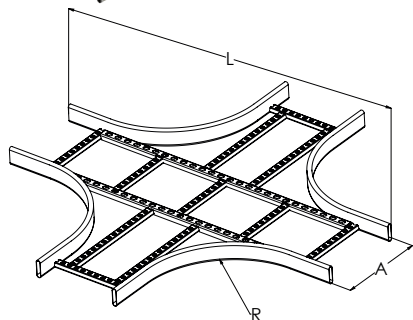
X-piece KSX is attached to KS cable ladders (excluding KS100) with joints SSR or SSU.

X-piece KSXE



X-pieces KSXE are used to make X-junctions for food industry cable ladders KSE80 when the bending radius of cables or other needs require this. KSXE inside radius is R=300 mm.

X-pieces can be connected to cable ladders by using joints SSR.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	R mm	PACKAGE
1432921	KSXE-150 R=300 HDG	5.77	150	1050	300	1 PCE
1432922	KSXE-200 R=300 HDG	5.99	200	1100	300	1 PCE
1432923	KSXE-300 R=300 HDG	6.43	300	1200	300	1 PCE
1432924	KSXE-400 R=300 HDG	6.89	400	1300	300	1 PCE
1432925	KSXE-500 R=300 HDG	7.5	500	1400	300	1 PCE
1432926	KSXE-600 R=300 HDG	7.99	600	1500	300	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	R mm	PACKAGE
1430131	HST KSXE-150 R=300	5.51	150	1050	300	1 PCE
1430132	HST KSXE-200 R=300	5.72	200	1100	300	1 PCE
1430133	HST KSXE-300 R=300	6.14	300	1200	300	1 PCE
1430134	HST KSXE-400 R=300	6.58	400	1300	300	1 PCE
1430135	HST KSXE-500 R=300	7.16	500	1400	300	1 PCE
1430136	HST KSXE-600 R=300	7.62	600	1500	300	1 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Vertical bend, outside KSV



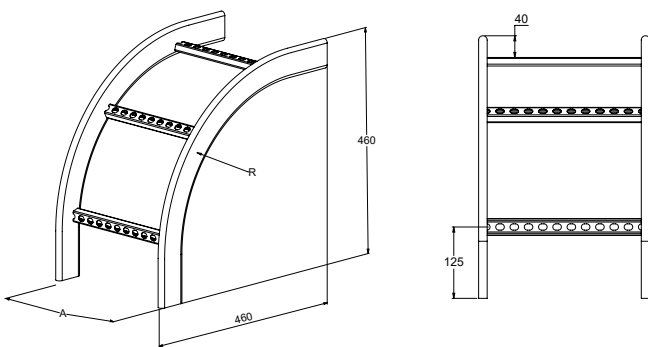
Vertical bends KSV are used to make descending 90° angles for KS20, KS60- and KS80-type cable ladders when the bending radius of cables or other needs require this. KSV radius is R=300 mm.

Vertical bends can be connected to cable ladders by using joints SSR or SSU.

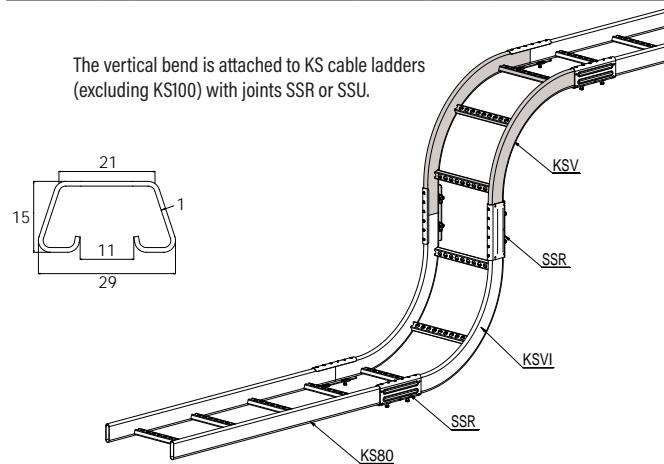


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1449451	KSV-150 R=300 HDG	1.8	150	300	10 PCE
1449452	KSV-200 R=300 HDG	1.88	200	300	10 PCE
1449453	x KSV-300 R=300 HDG	2.03	300	300	10 PCE
1449454	KSV-400 R=300 HDG	2.18	400	300	10 PCE
1449455	x KSV-500 R=300 HDG	2.34	500	300	10 PCE
1449456	KSV-600 R=300 HDG	2.49	600	300	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



The vertical bend is attached to KS cable ladders (excluding KS100) with joints SSR or SSU.



Vertical bend, outside KSVE



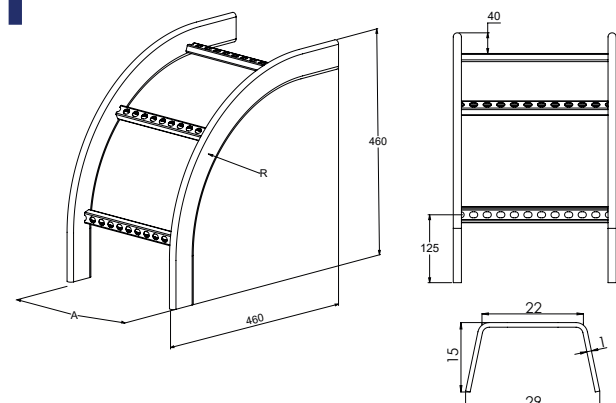
Vertical bends KSVE are used to make descending 90° angles for food industry cable ladders KSE80 when the bending radius of cables or other needs require this. KSVE radius is R=300 mm.

Vertical bends can be connected to cable ladders by using joints SSR.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1432931	KSVE-150 R=300 HDG	1.76	150	300	1 PCE
1432932	KSVE-200 R=300 HDG	1.82	200	300	1 PCE
1432933	KSVE-300 R=300 HDG	1.93	300	300	1 PCE
1432934	KSVE-400 R=300 HDG	2.04	400	300	1 PCE
1432935	KSVE-500 R=300 HDG	2.17	500	300	1 PCE
1432936	KSVE-600 R=300 HDG	2.27	600	300	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1430141	HST KSVE-150 R=300	1.68	150	300	1 PCE
1430142	HST KSVE-200 R=300	1.73	200	300	1 PCE
1430143	HST KSVE-300 R=300	1.83	300	300	1 PCE
1430144	HST KSVE-400 R=300	1.94	400	300	1 PCE
1430145	HST KSVE-500 R=300	2.06	500	300	1 PCE
1430146	HST KSVE-600 R=300	2.16	600	300	1 PCE

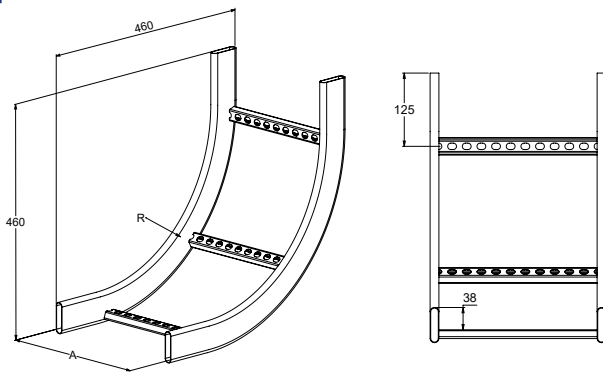
HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Vertical bend, inside KSVI



Vertical bends KSVI are used to make ascending 90° angles for KS20, KS60- and KS80-type cable ladders when the bending radius of cables or other needs require this. KSVI radius is R=300 mm.

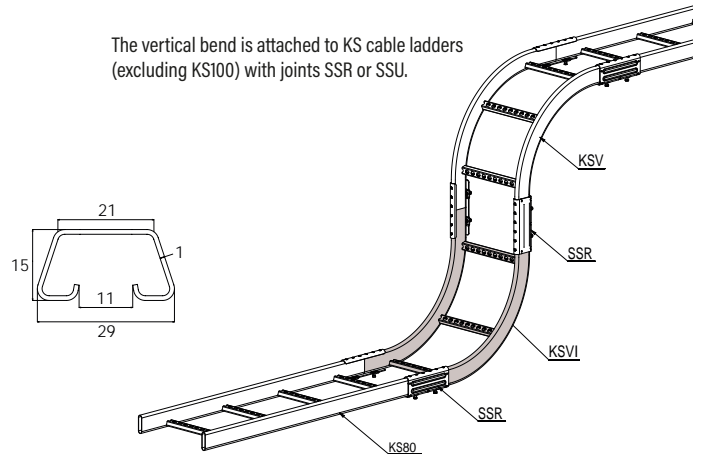
Vertical bends can be connected to cable ladders by using joints SSR or SSU.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1432961	KSVI-150 R=300 HDG	1.79	150	300	10 PCE
1432962	KSVI-200 R=300 HDG	1.87	200	300	10 PCE
1432963	KSVI-300 R=300 HDG	2.02	300	300	10 PCE
1432964	KSVI-400 R=300 HDG	2.17	400	300	10 PCE
1432965	KSVI-500 R=300 HDG	2.32	500	300	10 PCE
1432966	KSVI-600 R=300 HDG	2.48	600	300	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

The vertical bend is attached to KS cable ladders (excluding KS100) with joints SSR or SSU.

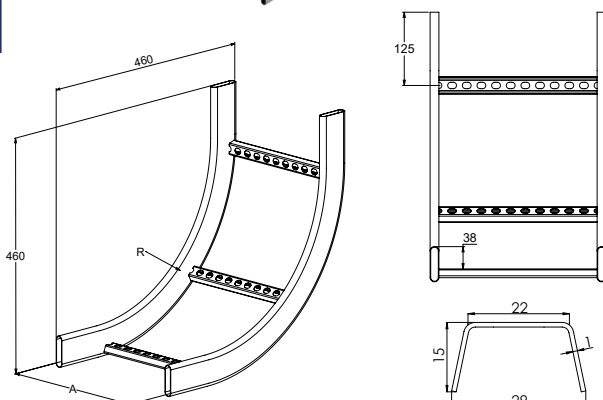


Vertical bend, inside KSVIE



Vertical bends KSVIE are used to make ascending 90° angles for food industry cable ladders KSE80 when the bending radius of cables or other needs require this. KSVIE radius is R=300 mm.

Vertical bends can be connected to cable ladders by using joints SSR.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1433041	KSVIE-150 R=300 HDG	1.76	150	300	1 PCE
1433042	KSVIE-200 R=300 HDG	1.82	200	300	1 PCE
1433043	KSVIE-300 R=300 HDG	1.93	300	300	1 PCE
1433044	KSVIE-400 R=300 HDG	2.04	400	300	1 PCE
1433045	KSVIE-500 R=300 HDG	2.17	500	300	1 PCE
1433046	KSVIE-600 R=300 HDG	2.27	600	300	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1430151	HST KSVIE-150 R=300	1.68	150	300	1 PCE
1430152	HST KSVIE-200 R=300	1.73	200	300	1 PCE
1430153	HST KSVIE-300 R=300	1.83	300	300	1 PCE
1430154	HST KSVIE-400 R=300	1.94	400	300	1 PCE
1430155	HST KSVIE-500 R=300	2.06	500	300	1 PCE
1430156	HST KSVIE-600 R=300	2.16	600	300	1 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Joint SSR

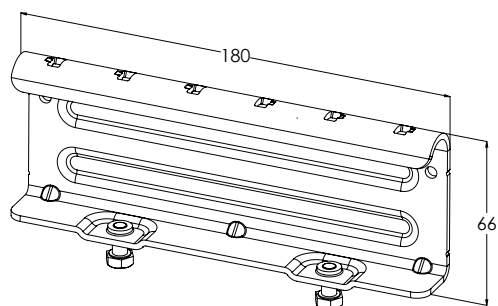


Joints SSR are used to extend KS20-, KS60- and KS80-type cable ladders as well as cable ladders' bends, T- and X-pieces. Installation of joints SSR is quick and convenient, as fastening bolts are already attached to joints. Special nibs inside of joints prevent attached elements from slipping apart.

Correctly installed joints ensure sufficient electrical conductivity and additional equipotential bonding is not required.



Please note!
The HST product differs in appearance to the PG and HDG products.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449482	x SSR PG	0.37	10 PCE

PG
Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : PG

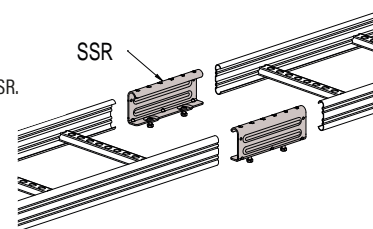
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449669	x SSR HDG	0.38	10 PCE

HDG
Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430290	x HST SSR	0.31	10 PCE

HST
Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Cable ladders KS20 K, KS20, KS60, KS80 and KSE80 are attached together with joint SSR.

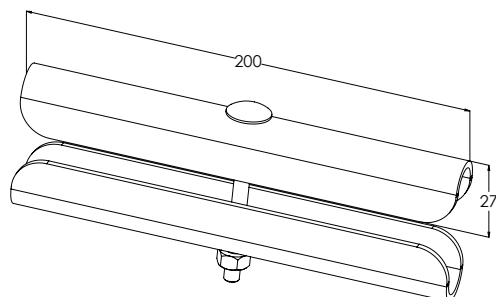


Joint SSU



Joints SSU are mainly used to extend KS80-type cable ladders as well as cable ladders' bends, T- and X-pieces. Correctly installed joints ensure sufficient electrical conductivity and additional equipotential bonding is not required.

Product set includes joint parts, bolt and nut for fastening.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449670	x SSU HDG	0.68	10 PCE

HDG
Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

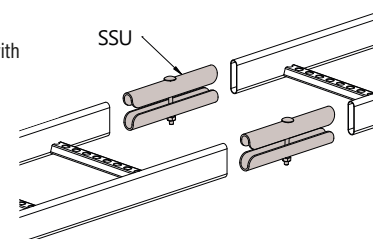
Product includes screw set: 1449111 RS SSU HDG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430291	HST SSU	0.41	10 PCE

HST
Manufactured of stainless steel in accordance with standard EN 10088: C1-CX

Product includes screw set: 11430431 HST RS SSU (1 PCE)

Cable ladders KS80 and KS80 SP2.0 are attached together with joint SSU.



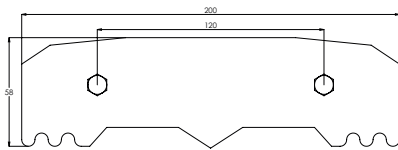
See the installation video.

Joint SSC



Joints SSC are used to extend KS20-type cable ladders. The extensions can be installed inside of cable ladders profiles, which is important at places where joints have to be invisible or protective covers have to be installed. Installation of joints SSC is quick and convenient, as fastening bolts are already attached to joints.

Correctly installed joints ensure sufficient electrical conductivity and additional equipotential bonding is not required.

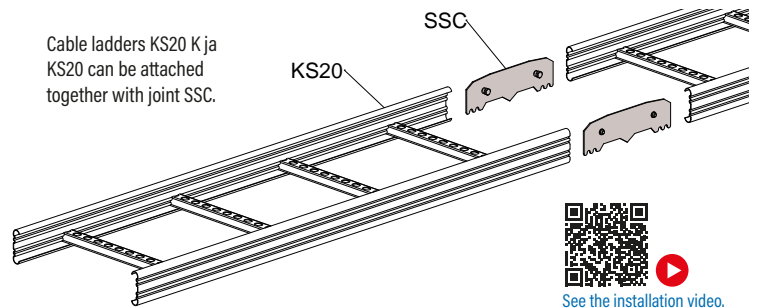


CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449481	x SSC PG	0.16	10 PCE

PG
Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1433199	SSC HDG	0.19	10 PCE

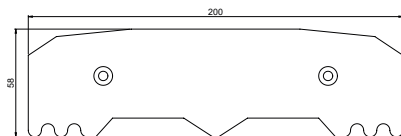
HDG
Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



Joint SSA

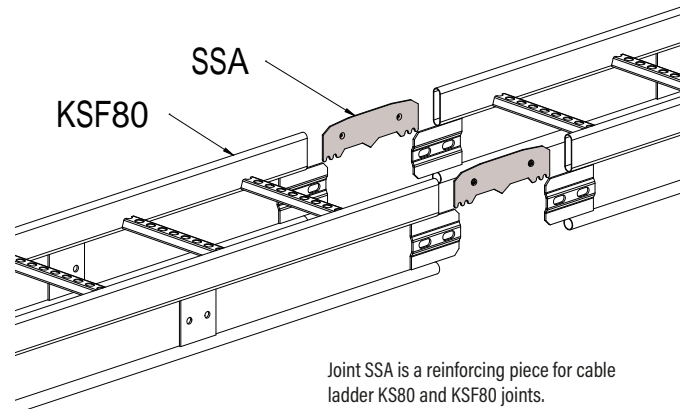


Joints SSA are used to strengthen extension of KSF80 cable ladders and to hold the ends of ladders profiles together. Joints SSA can be placed inside ladders side profiles and these do not require fixing.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449655	SSA HDG	0.17	10 PCE

HDG
Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



Joint KS100 J



Joints KS100 J are used to extend KS100-type cable ladders. Product set includes unique M6x12 bolts and M6 nuts for fixing. At the top of bolts are square collars that hold bolts at place when tighten nuts.

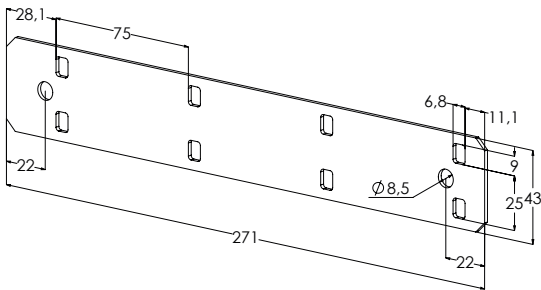
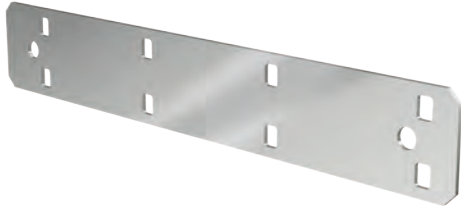
Correctly installed joints create a sufficient electrical conductivity which eliminates the need to install a separate grounding wire between cable ladders.

CODE	PRODUCT	WGT.	PACKAGE
1478125	x KS100 J PG	kg / pc	10 PCE

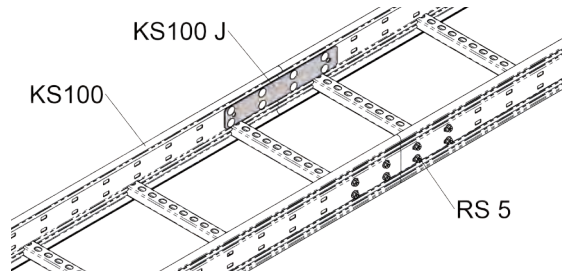
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346: C1-C2
Product includes screw set: 1470352 RS 5 EG (8 PCE)

CODE	PRODUCT	WGT.	PACKAGE
1478162	x KS100 J XPG	kg / pc	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4
Product includes screw set: 1470353 RS 5 HDG (8 PCE)



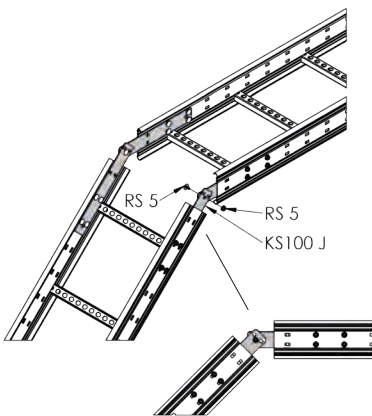
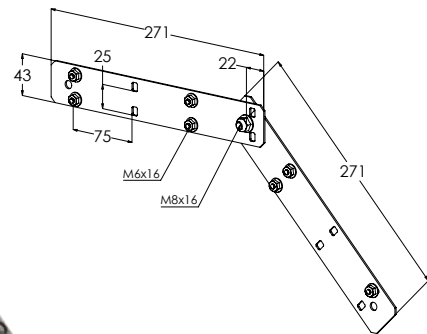
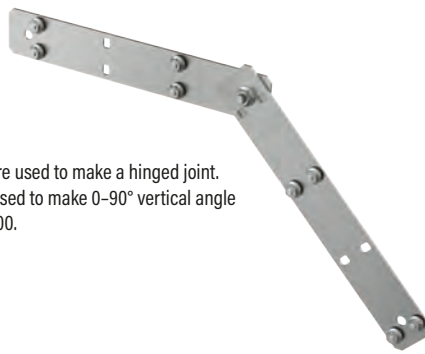
Two cable ladders KS100 are attached together with joint KS100 J.



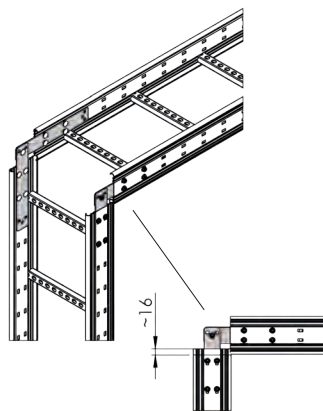
See the installation video.



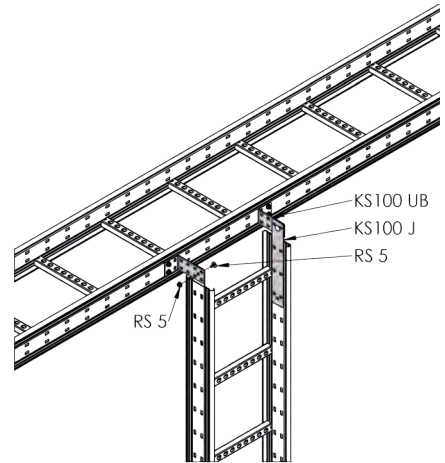
Two joints KS100 J are used to make a hinged joint. The hinged joint is used to make 0-90° vertical angle for cable ladder KS100.



A 45° angle made with two joints KS100 J for cable ladder KS100.



A 90° angle made with two joints KS100 J for cable ladder KS100.



Universal bracket KS100 UB and joint KS100 J is used to split KS100 cable ladder vertically.

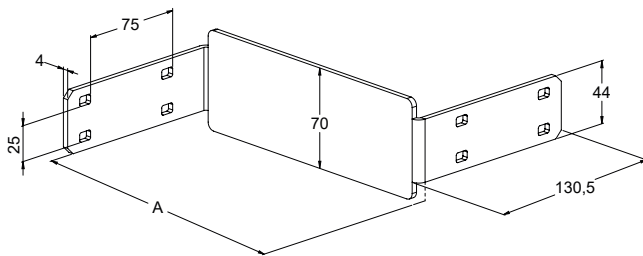
The ends of the cable ladders must be shortened to avoid overlapping.

Width-reduction piece KS100 FM



Width-reduction pieces KS100 FM are used to connect different widths' cable ladders KS100 together.

KS100 FM pieces can be fixed to side profiles of KS100 cable ladders from one or both sides. Product set includes bolts and nuts for fixing.



CODE	PRODUCT	WGT.	A	PACKAGE
	x = stock product	kg / pc	mm	
1478132	x KS100 FM-100 PG	0.55	100	10 PCE
1478133	x KS100 FM-200 PG	0.77	200	10 PCE
1478134	x KS100 FM-300 PG	0.99	300	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1470352 RS 5 EG (4 PCE)

CODE	PRODUCT	WGT.	A	PACKAGE
	x = stock product	kg / pc	mm	
1478169	KS100 FM-100 XPG	0.55	100	10 PCE
1478170	KS100 FM-200 XPG	0.77	200	10 PCE
1478171	KS100 FM-300 XPG	0.99	300	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 :C1-C4

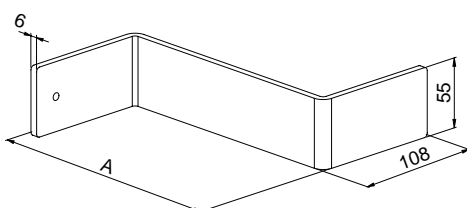
Product includes screw set: 1470353 RS 5 HDG (4 PCE)

Width-reduction piece FM



Width-reduction pieces FM are used to connect different widths' KS20,-, KS60 and KS80 cable ladders together.

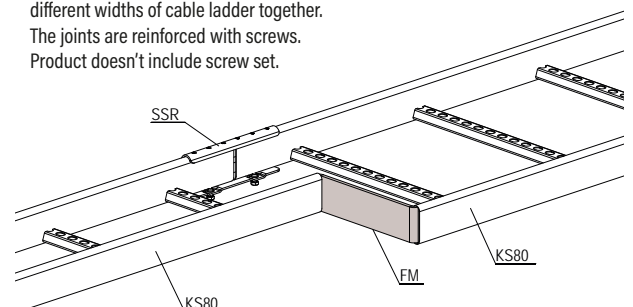
FM pieces can be installed inside of side profiles of cable ladders from one or both sides.



CODE	PRODUCT	WGT.	A	PACKAGE
	x = stock product	kg / pc	mm	
1449657	FM-100 HDG	0.79	105	10 PCE
1449658	FM-200 HDG	1.06	205	10 PCE
1449659	FM-300 HDG	1.33	305	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

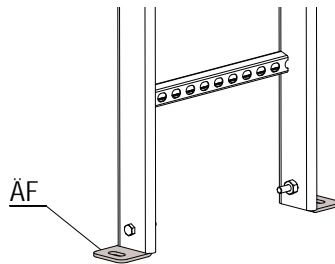
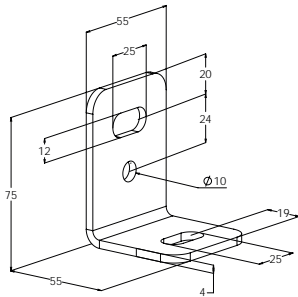
Width-reduction piece FM is used to join different widths of cable ladder together. The joints are reinforced with screws. Product doesn't include screw set.



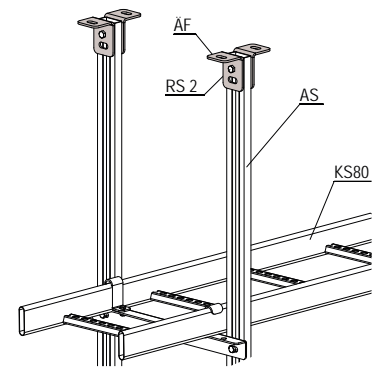
End bracket ÄF



End brackets ÄF are used for mounting KS20-, KS60- and KS80-type cable ladders as well as mounting rails AS, ASR, ASR-L and ASR-P to wall, floor or ceiling.



End bracket ÄF is used to attach the ends of a cable ladder to the wall, floor or ceiling.



End bracket ÄF is used to attach the mounting rails to the wall, floor or ceiling. The end bracket is attached to the mounting rail with screw set RS 2.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449679	ÄF HDG	0.19	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430313	HST ÄF	0.14	20 PCE

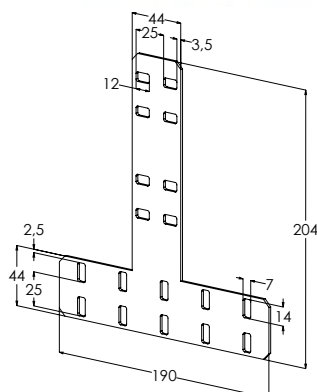
HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Vertical joint KS100 VEF



Vertical joints KS100 VEF are used to make vertical connections of KS100-type cable ladders from the middle of ladders' straight selections.

Product set includes bolts and nuts for fixing.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1478128	KS100 VEF PG	0.27	10 PCE

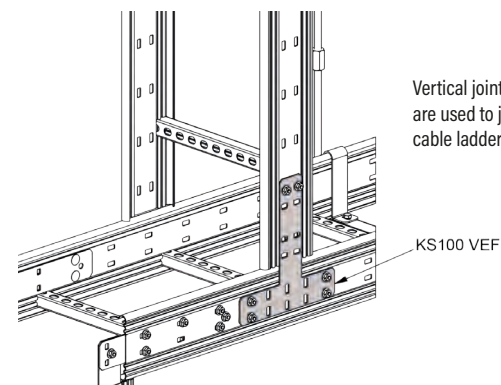
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1470352 RS 5 EG (6 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1478165	KS100 VEF XPG	0.27	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Product includes screw set: 1470353 RS 5 HDG (6 PCE)



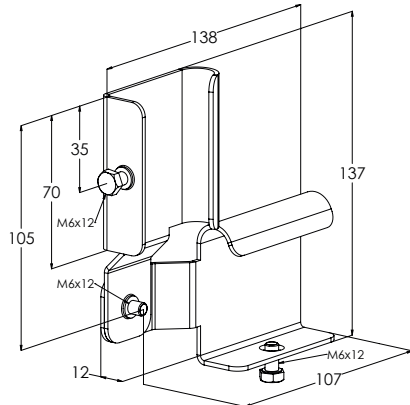
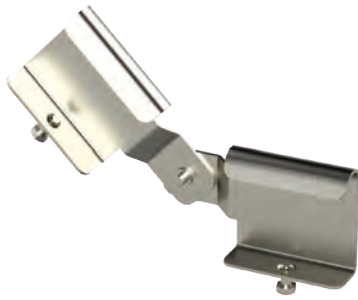
Vertical joints KS100 VEF are used to join KS100 cable ladders vertically.

KS100 VEF

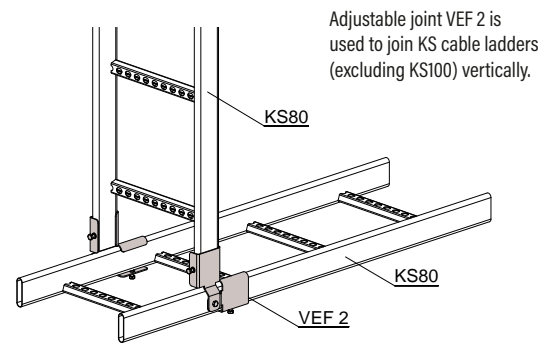
Adjustable joint VEF 2



Adjustable vertical joints VEF 2 are used to make vertical connections of KS20-, KS60- and KS80-type cable ladders from the middle of ladders' straight selections. Joints VEF 2 have fixing bolts already at place and the installation is quick and convenient.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449675	x VEF 2 HDG	0.34	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		



T-branch bracket VF

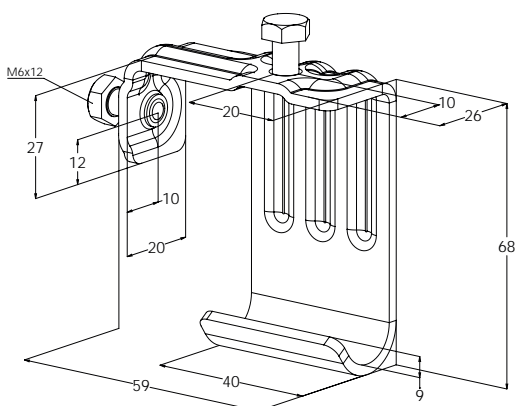


T-branch brackets VF are used to make simple corners, T- and X- junctions between KS20-, KS60- and KS80-type cable ladders. Brackets VF are fixed to end of cable ladder and placed on the side profile of the crossing ladder. Brackets VF have fixing bolts already at place that make installation quick and convenient. When installing more rigid cables, then branching sheets AG are recommended to use.

Correctly installed joints ensure sufficient electrical conductivity which eliminates the need to install a separate grounding wire between cable ladders.

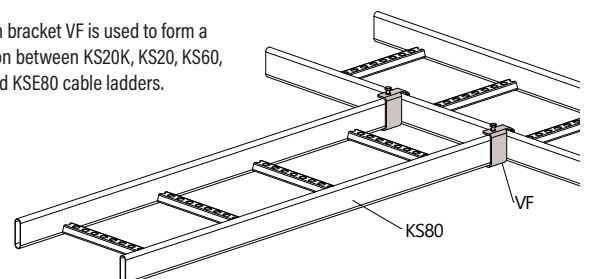


Please note!
The HST product differs in appearance to the PG and HDG products.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449890	x VF PG	0.13	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		
CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449666	x VF HDG	0.14	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		
CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1430310	HST VF	0.13	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

T-branch bracket VF is used to form a T-junction between KS20K, KS20, KS60, KS80 and KSE80 cable ladders.



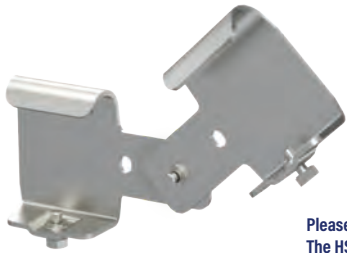
See the installation video.

Adjustable joint NL



Adjustable joints NL are used to make vertical angles, horizontal bends, T- and X-junctions for KS20-, KS60- and KS80-type cable ladders. Joints NL have fixing bolts already at place and the installation is convenient and quick.

Correctly installed joints ensure sufficient electrical conductivity which eliminates the need to install a separate grounding wire between cable ladders.



Please note!
The HST product differs in appearance to the PG and HDG products.

CODE	PRODUCT	WGT.	PACKAGE
1449480	x NL PG	0.27 kg / pc	10 PCE

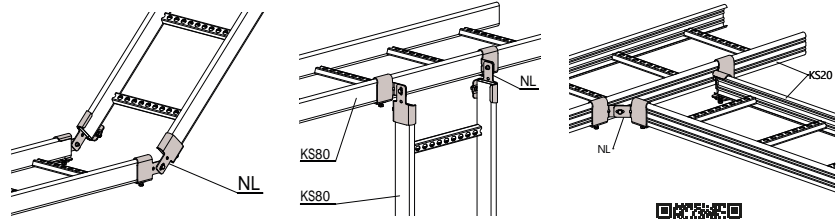
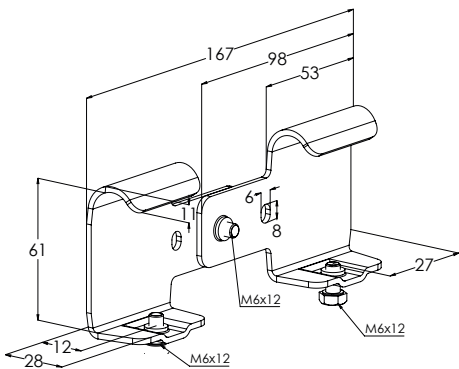
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1449667	x NL HDG	0.27 kg / pc	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT	WGT.	PACKAGE
1430294	x HST NL	0.26 kg / pc	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



Adjustable joint NL is used to form a flexible extension, attach vertical ladders and form T-joints to cable ladders KS20K, KS20, KS60, KS80 and KSE80.



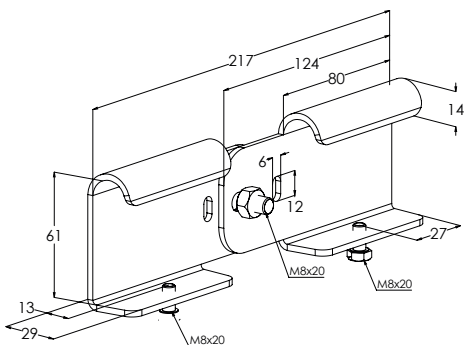
See the installation video.

Adjustable joint NL-TK



Reinforced adjustable joints NL-TK are used to make vertical angles, horizontal bends, T- and X-junctions for KS20-, KS60- and KS80-type cable ladders. Joints NL-TK have fixing bolts already at place and the installation is convenient and quick.

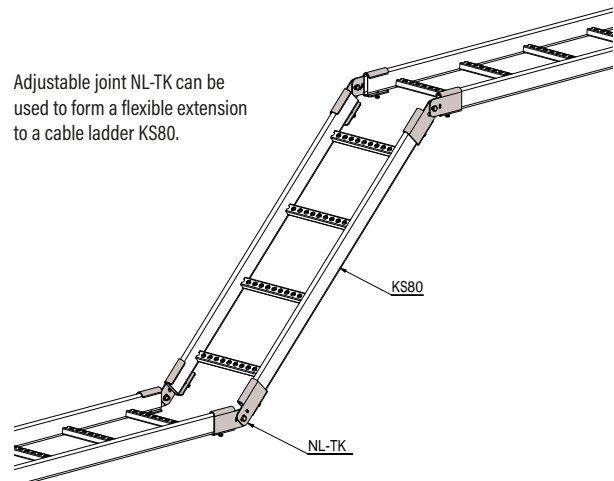
Correctly installed joints ensure sufficient electrical conductivity which eliminates the need to install a separate grounding wire between cable ladders.



CODE	PRODUCT	WGT.	PACKAGE
1449662	x NL-TK HDG	0.54 kg / pc	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

Adjustable joint NL-TK can be used to form a flexible extension to a cable ladder KS80.



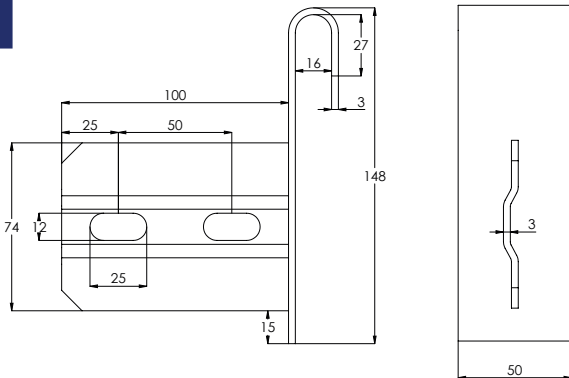
T-branch bracket VFF



T-branch brackets VFF are used to make simple corners, T- and X- junctions between KSF80 cable ladders. Brackets VFF are fixed to end of one cable ladder and placed on the side profile of the crossing ladder. When installing more rigid cables, then branching sheets AG are recommended to use.



Please note!
The HST product differs in appearance to the HDG product.

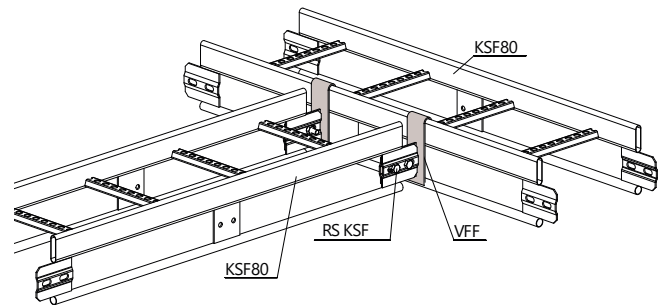


CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449680	VFF HDG	0.44	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4
Product includes screw set: 1449115 RS KSF HDG (2 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430311	HST VFF	0.39	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 :
Product includes screw set: 1430438 HST RS KSF (2 PCE)



T-branch bracket VFF is used to form a T-junctions between KSF cable ladders.

Adjustable joint KSF-NL

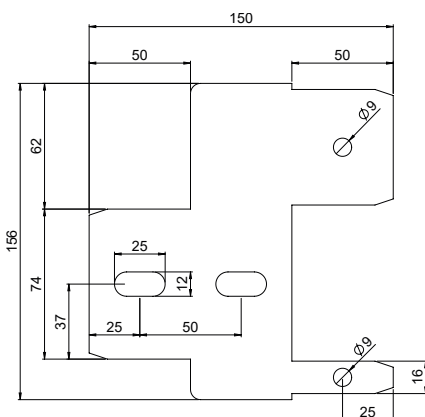


Adjustable joints KSF-NL are used to make horizontal extensions and vertical angles for cut cable ladders KSF80.

Product set includes M10x30 bolts and M10 nuts for fixing.



Please note!
The HST product doesn't include screw set and needs to be ordered separately.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449663	x KSF-NL HDG	0.48	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4
Product includes screw set: 1449115 RS KSF HDG (2 PCE)

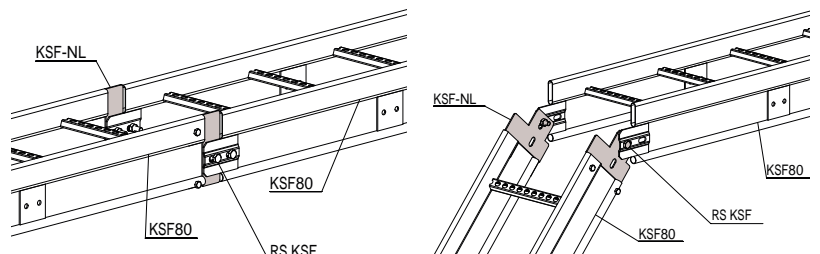
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430317	HST KSF-NL	0.35	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Adjustable joint KSF-NL can be used to form a direct or flexible extension to cable ladder KSF80.



See the installation video.

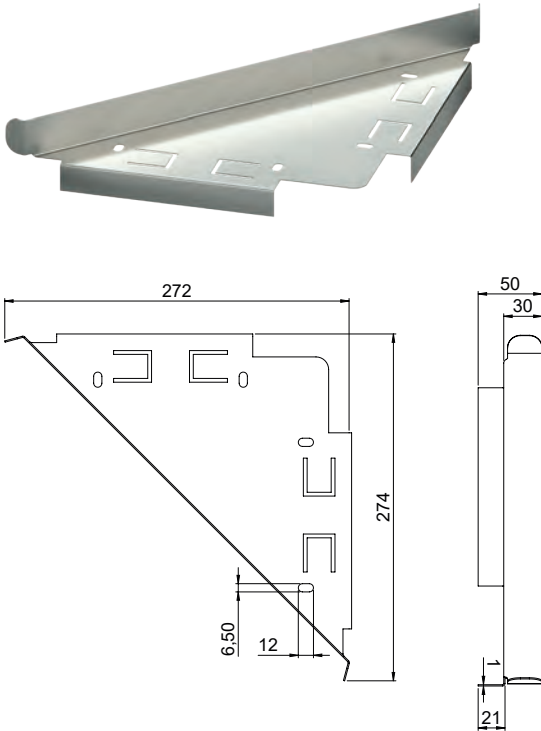


Branching sheet AG



Branching sheets AG are used to support cables when brackets VF or adjustable joints NL are used for making corners, T- and X-connections of KS-type cable ladders.

Fixing of AG sheets can be made by turning strips down across the ladders' side profile.



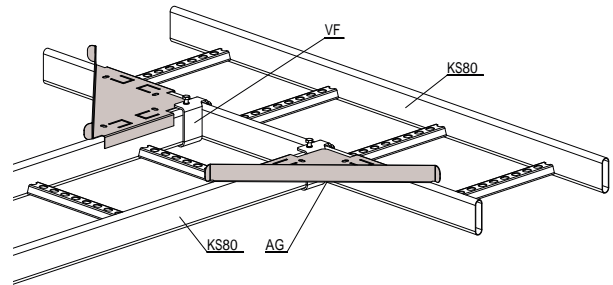
CODE	PRODUCT	WGT.	PACKAGE
1449690	AG PG <i>x = stock product</i>	0.36 kg / pc	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1433443	X AG XPG <i>x = stock product</i>	0.36 kg / pc	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Branching sheet AG reduces the angle of a T- and X-junction, which makes it easier to install thicker cables. We recommend using branching sheet when VF or VFF brackets are used for making T- or X-connections.



Wall support VKI



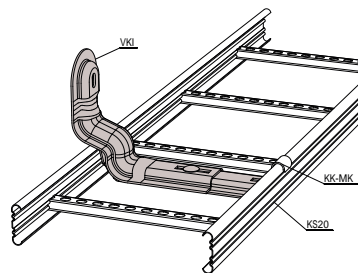
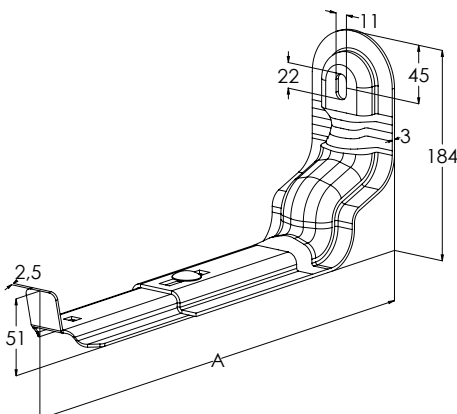
Adjustable wall supports VKI are used for mounting KS20 and KS60-type cable ladders directly to wall, AS-type mounting rails, HK- and TP2-type ceiling supports from the inner side of cable ladders. Supports VKI are placed inside of cable ladders that allows a good-looking installation at places where the design is important. Adjusting range of VKI supports from wall is 0-35 mm.



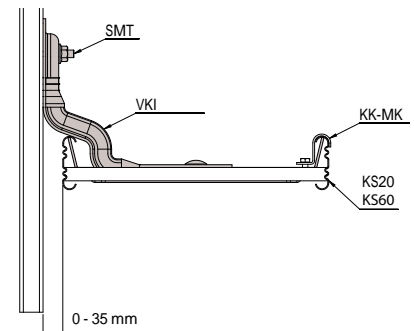
CODE	PRODUCT	WGT.	A	LOADING	PACKAGE
1449436	X VKI-200 PG <i>x = stock product</i>	0.96 kg / pcl	186 mm	300 max. kg	1 PCE
1449437	X VKI-300 PG <i>x = stock product</i>	1.23 kg / pcl	286 mm	300 max. kg	1 PCE
1449438	X VKI-400 PG <i>x = stock product</i>	1.51 kg / pcl	386 mm	120 max. kg	1 PCE
1449439	X VKI-500 PG <i>x = stock product</i>	1.79 kg / pcl	486 mm	120 max. kg	1 PCE
1449440	VKI-600 PG	2.08 kg / pcl	586 mm	120 max. kg	1 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1431734 RS SVK EG (1 PCE)



Wall support VKI is used to attach cable ladders to walls. Bracket KK-MK is used to attach the cable ladder to the wall support. The distance between the cable ladder and wall can be adjusted with a range of 0-35mm.



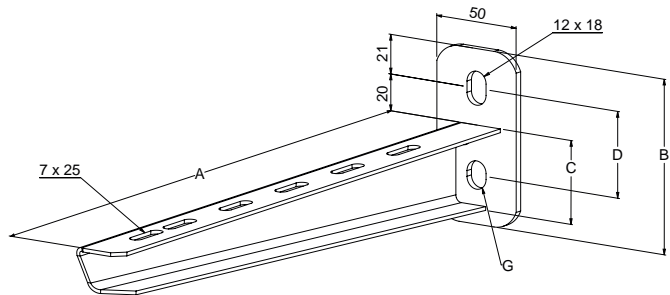
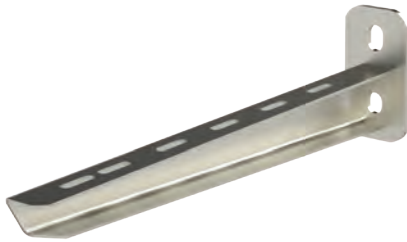
Wall support VKI is attached to mounting rail AS with sliding nut SMT.

Wall support VK



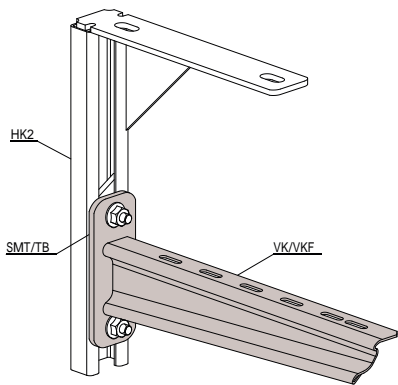
Wall supports VK are used for mounting cable ladders, cable trays and wire mesh trays directly to wall, AS-type mounting rails, HK- and TP2-type ceiling supports. For fastening to rails and supports sliding nuts SMT, TB and AKM and bolt sets RS can be used.

The safe working load of VK wall supports is up to 200 kg.

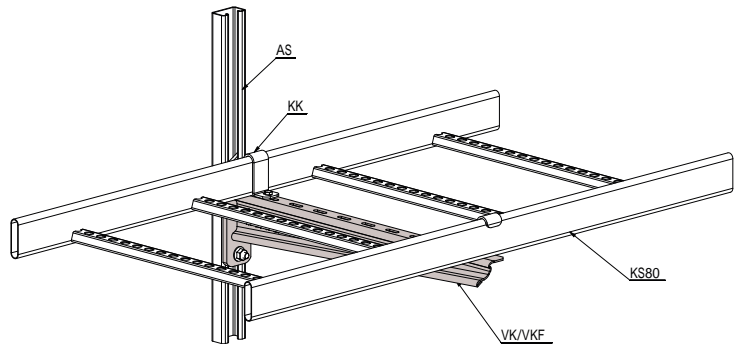


CODE	PRODUCT	WGT.	A	B	C	D	G	LOADING	PACKAGE
	x = stock product	kg / pc	mm	mm	mm	mm	mm	max. kg	
1449590	x VK-150 2KN HDG	0.35	190	93	37	46	12x15	200	10 PCE
1449591	x VK-200 2KN HDG	0.41	240	93	40	46	12x15	200	10 PCE
1449592	x VK-300 2KN HDG	0.55	340	93	45	46	12x15	200	10 PCE
1449593	x VK-400 2KN HDG	0.79	440	108	50	56	12x18	200	10 PCE
1449594	x VK-500 2KN HDG	1.12	540	155	74	118	12x18	200	10 PCE
1449595	x VK-600 2KN HDG	1.29	640	155	80	118	12x18	200	10 PCE

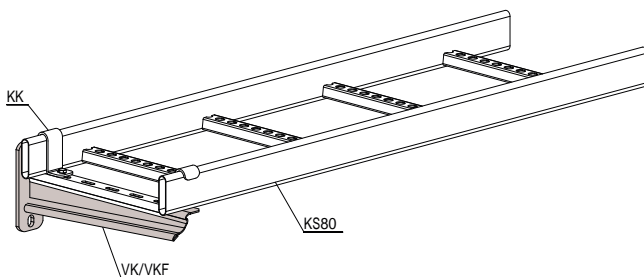
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



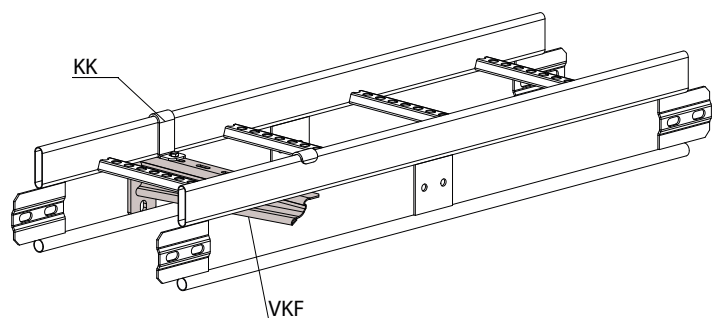
Wall support VK can be attached to ceiling support HK2 with sliding nut SMT or TB.



The cable ladder is attached to wall support VK with bracket KK.



Wall support VK/VKF can be attached to the wall with a through bolt. The cable ladder is attached to wall support VK/VKF with bracket KK.



Supporting the 200-400 mm wide KSF80 ladders from the upper tube is possible with the VKF wall bracket.

Wall support VKF

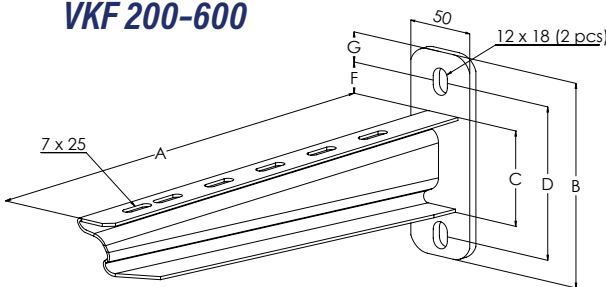


Wall supports VKF are used for mounting cable ladders, cable trays and wire mesh trays directly to wall, AS-type mounting rails, HK- and TP2-type ceiling supports. For fastening to rails and supports sliding nuts SMT, TB and AKM and bolt sets RS can be used.

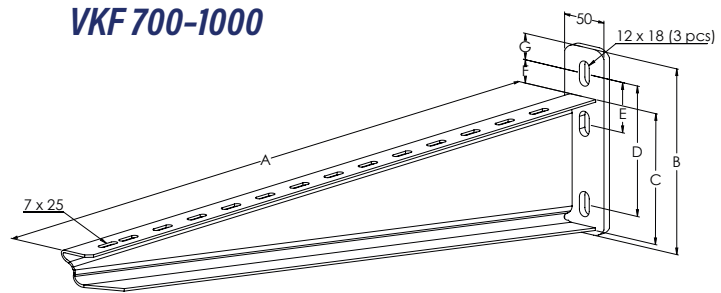
The safe working load of VKF wall supports is up to 400 kg.



VKF 200-600



VKF 700-1000



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	C mm	D mm	E mm	F mm	G mm	LOADING max. kg	PACKAGE
1449622	x VKF-200 4KN HDG	0.72	240	136	57	102		20	20	400	10 PCE
1449623	x VKF-300 4KN HDG	0.92	340	136	63	102		20	20	400	10 PCE
1449624	x VKF-400 4KN HDG	1.29	440	155	69	118		20	21	400	10 PCE
1449625	x VKF-500 4KN HDG	1.78	540	155	75	118		20	21	400	10 PCE
1449626	x VKF-600 4KN HDG	2.06	640	155	80	118		20	21	400	10 PCE
1449627	x VKF-700 4KN HDG	2.92	740	190	130	130	50	24	26	400	1 PCE
1449628	x VKF-800 4KN HDG	3.59	840	205	143	150	50	24	26	400	1 PCE
1449629	VKF-900 4KN HDG	4.29	940	215	155	160	50	24	26	400	1 PCE
1449630	x VKF-1000 4KN HDG	5.07	1040	225	167	170	50	24	26	400	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	C mm	D mm	E mm	F mm	G mm	LOADING max. kg	PACKAGE
1430172	HST VKF-200 4KN	0.7	240	136	57	102		20	20	400	10 PCE
1430173	x HST VKF-300 4KN	0.9	340	136	63	102		20	20	400	10 PCE
1430174	HST VKF-400 4KN	1.26	440	155	69	118		20	21	400	10 PCE
1430175	x HST VKF-500 4KN	1.73	540	155	75	118		20	21	400	10 PCE
1430176	HST VKF-600 4KN	2.01	640	155	80	118		20	21	400	10 PCE
1430177	HST VKF-700 4KN	2.85	740	190	130	130	50	24	26	400	1 PCE
1430178	HST VKF-800 4KN	3.5	840	205	143	150	50	24	26	400	1 PCE
1430179	HST VKF-900 4KN	4.19	940	215	155	160	50	24	26	400	1 PCE
1430180	HST VKF-1000 4KN	4.95	1040	225	167	170	50	24	26	400	1 PCE

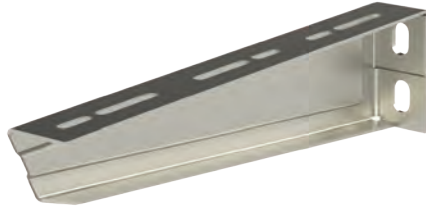
HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Wall support VKZ

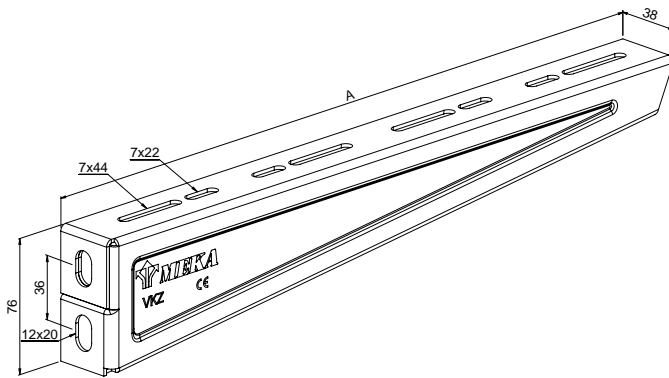


Wall supports VKZ are used for mounting cable ladders, cable trays and wire mesh trays directly to wall, AS-type mounting rails, HK- and TP2-type ceiling supports. For fastening to rails and supports sliding nuts SMT, TB and AKM and bolt sets RS can be used.

The safe working load of VKZ wall supports depends on type and is from 100 to 250 kg.



Please note!
The HST product differs in appearance to the PG and HDG products.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429105	VKZ-100 PG	0.15	111	250	10 PCE
1429106	VKZ-200 PG	0.25	211	250	10 PCE
1429107	VKZ-300 PG	0.48	311	150	10 PCE
1429108	VKZ-400 PG	0.6	411	150	10 PCE

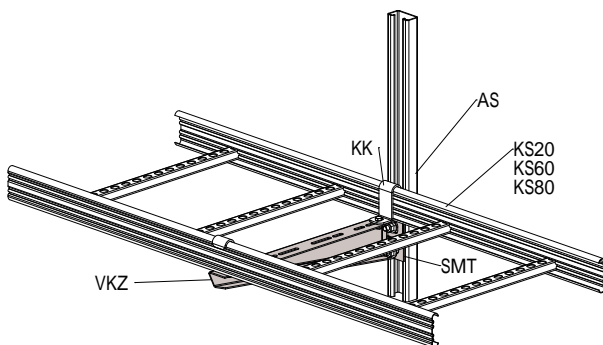
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429109	VKZ-100 HDG	0.17	111	250	10 PCE
1429110	VKZ-200 HDG	0.28	211	250	10 PCE
1429111	VKZ-300 HDG	0.54	311	150	10 PCE
1429112	VKZ-300 HDG	0.68	411	150	10 PCE

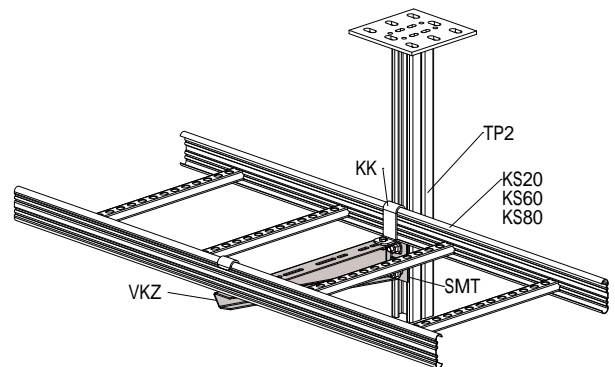
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429113	VKZ-100 HST	0.15	111	100	10 PCE
1429114	VKZ-200 HST	0.25	211	100	10 PCE
1429115	VKZ-300 HST	0.49	311	100	10 PCE
1429116	VKZ-400 HST	0.61	411	100	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



Wall support VKZ can be attached to mounting rail AS with sliding nuts SMT or TB.



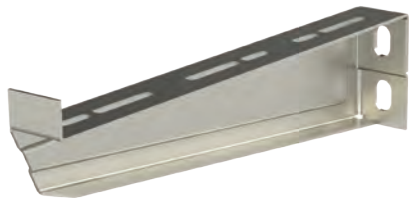
The cable ladder is attached to wall support VKZ with bracket KK.

Wall support VKZ-N

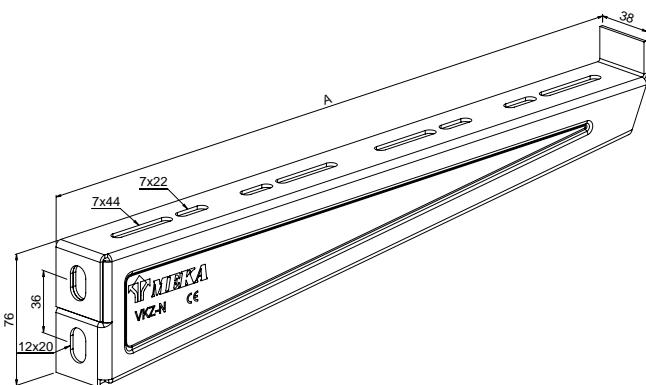


Wall supports VKZ-N are used for mounting cable ladders, cable trays and wire mesh trays directly to wall, AS-type mounting rails, HK- and TP2-type ceiling supports. For fastening to rails and supports sliding nuts SMT, TB and AKM and bolt sets RS can be used. VKZ-N supports have a 20 mm high stand at the end that holds cable ladders and -trays at place during installation.

The safe working load of VKZ-N wall supports depends on type and is from 100 to 250 kg.



Please note!
The HST product differs in appearance to the PG and HDG products.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429117	VKZ-N-100 PG	0.17	114	250	10 PCE
1429118	VKZ-N-200 PG	0.28	214	250	10 PCE
1429119	VKZ-N-300 PG	0.55	314	150	10 PCE
1429121	VKZ-N-400 PG	0.68	414	150	10 PCE

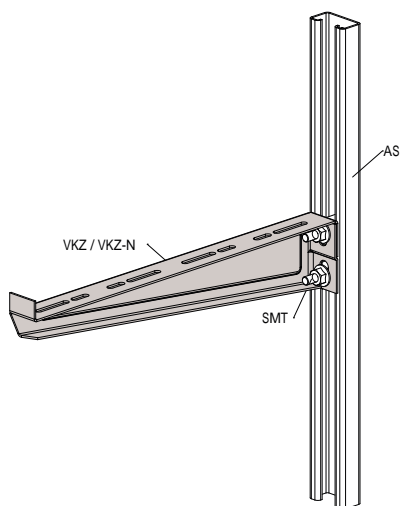
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429122	VKZ-N-100 HDG	0.2	114	250	10 PCE
1429123	VKZ-N-200 HDG	0.31	214	250	10 PCE
1429124	VKZ-N-300 HDG	0.62	314	150	10 PCE
1429125	VKZ-N-400 HDG	0.76	414	150	10 PCE

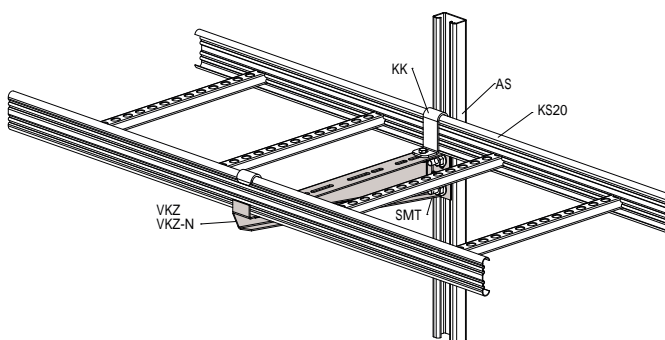
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429126	VKZ-N-100 HST	0.18	114	100	10 PCE
1429127	VKZ-N-200 HST	0.29	214	100	10 PCE
1429128	VKZ-N-300 HST	0.56	314	100	10 PCE
1429129	VKZ-N-400 HST	0.69	414	100	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



Wall support VKZ can be attached to mounting rail AS with sliding nuts SMT or TB.



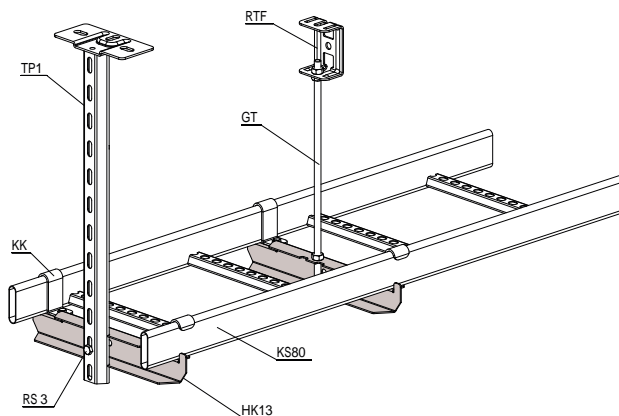
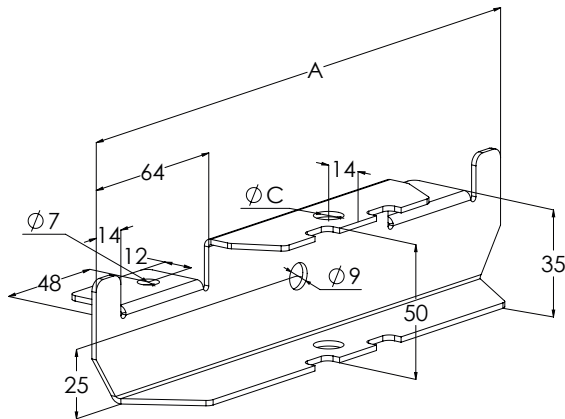
The cable ladder is attached to wall support VKZ with bracket KK.

Intermediate support HK13



Intermediate supports HK13 are used for supporting KS-type cable ladders into ceiling by using threaded rods GT, ceiling supports TP1, HK1, HK2 or mounting rails AS or AS K.

For fixing cable ladders to supports HK13 two KK-type brackets can be used.



Intermediate support HK13 is attached to ceiling support TP1 with screw set RS3.

The cable ladder is attached to intermediate support HK13 with bracket KK. Intermediate support HK13 is attached to threaded rod GT-10 or GT-16 with nuts MU M10 or MU M16.



See the installation video.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	C mm	PACKAGE
1449472	x HK13-210 PG	0.28	230	11	10 PCE
1449473	x HK13-310 PG	0.44	330	11	10 PCE
1449474	x HK13-410 PG	0.6	430	11	10 PCE
1449475	x HK13-510 PG	0.93	530	11	10 PCE
1449476	HK13-610 PG	1.12	630	11	10 PCE
1449462	HK13-216 PG	0.28	230	17	10 PCE
1449463	HK13-316 PG	0.43	330	17	10 PCE
1449464	HK13-416 PG	0.59	430	17	10 PCE
1449465	HK13-516 PG	0.93	530	17	10 PCE
1449466	HK13-616 PG	1.12	630	17	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	C mm	PACKAGE
1449641	HK13-150 HDG	0.17	180	11	10 PCE
1449642	x HK13-210 HDG	0.28	230	11	10 PCE
1449643	x HK13-310 HDG	0.44	330	11	10 PCE
1449644	HK13-410 HDG	0.6	430	11	10 PCE
1449645	x HK13-510 HDG	0.94	530	11	10 PCE
1449646	x HK13-610 HDG	1.12	630	11	10 PCE
1449467	HK13-710 HDG	1.38	730	11	10 PCE
1449470	HK13-810 HDG	1.64	830	11	10 PCE
1449469	HK13-910 HDG	1.84	930	11	10 PCE
1449471	HK13-1010 HDG	2.12	1030	11	10 PCE
1449692	HK13-216 HDG	0.29	230	17	10 PCE
1449693	HK13-316 HDG	0.45	330	17	10 PCE
1449694	HK13-416 HDG	0.62	430	17	10 PCE
1449695	HK13-516 HDG	0.98	530	17	10 PCE
1449696	HK13-616 HDG	1.18	630	17	10 PCE
1449987	HK13-716 HDG	1.43	730	17	10 PCE
1449988	HK13-816 HDG	1.65	830	17	10 PCE
1449989	HK13-916 HDG	1.85	930	17	10 PCE
1449980	HK13-1016 HDG	2.13	1030	17	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	C mm	PACKAGE
1430252	HST HK13-216	0.28	230	17	10 PCE
1430253	HST HK13-316	0.44	330	17	10 PCE
1430254	HST HK13-416	0.6	430	17	10 PCE
1430255	HST HK13-516	0.97	530	17	10 PCE
1430256	HST HK13-616	1.17	630	17	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Intermediate support MK



Intermediate supports MK are used on supporting KS20- and KS60-type cable ladders into ceiling by using threaded rods GT (one or two) or mounting rails PS. Fastening with two threaded rods (so-called gate support) is recommended for asymmetrical load of cables as well as for cable ladders 400 mm and wider, especially when 8 mm threaded rods are used for hanging.

Supports MK are placed inside of cable ladders that allow a good-looking installation at places where the design is important. For fixing MK supports to cable ladders brackets KK-MK can be used.

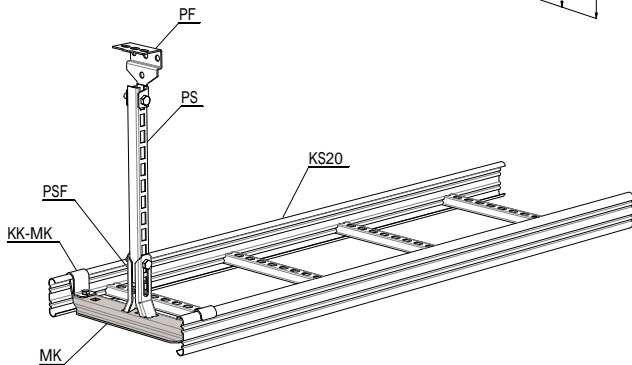
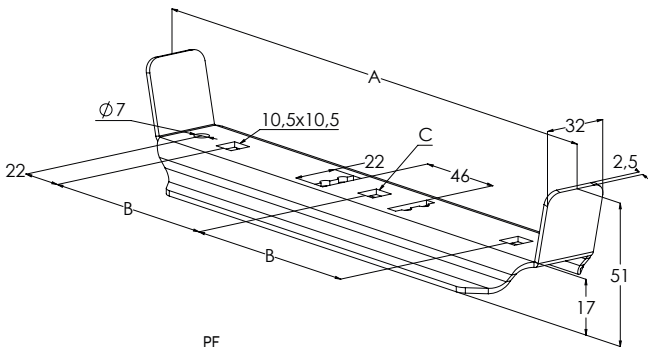


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	C mm	PACKAGE
1449242	x MK-210 PG	0.28	186	50	10,5x10,5	10 PCE
1449243	x MK-310 PG	0.46	286	100	10,5x10,5	10 PCE
1449244	x MK-410 PG	0.62	386	150	10,5x10,5	10 PCE
1449245	x MK-510 PG	0.79	486	200	10,5x10,5	10 PCE
1449246	MK-610 PG	0.95	586	250	10,5x10,5	10 PCE
1449252	MK-216 PG	0.28	186	50	16,5	10 PCE
1449253	MK-316 PG	0.46	286	100	16,5	10 PCE
1449254	MK-416 PG	0.62	386	150	16,5	10 PCE
1449255	MK-516 PG	0.79	486	200	16,5	10 PCE
1449256	MK-616 PG	0.95	586	250	16,5	10 PCE

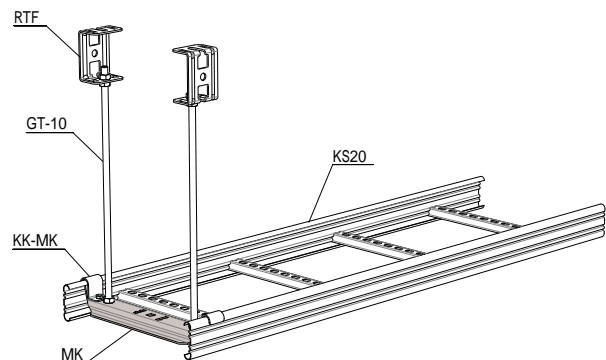
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	C mm	PACKAGE
1433122	MK-210 HDG	0.31	186	50	10,5x10,5	10 PCE
1433123	MK-310 HDG	0.51	286	100	10,5x10,5	10 PCE
1433124	MK-410 HDG	0.68	386	150	10,5x10,5	10 PCE
1433125	MK-510 HDG	0.87	486	200	10,5x10,5	10 PCE
1433126	MK-610 HDG	1.05	586	250	10,5x10,5	10 PCE

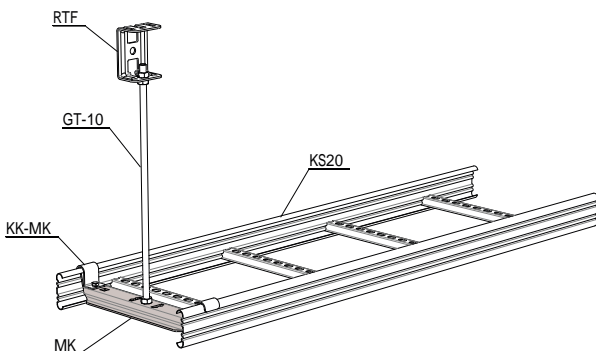
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



Mounting rail PS is attached to intermediate support MK with brackets PSF. Cable ladders are attached to the intermediate support with brackets KK-MK.



Gate supports are done with two GT-10 threaded rods.



Intermediate support MK is attached to threaded rod GT-10 or GT-16 with nuts MU M10 or MU M16.

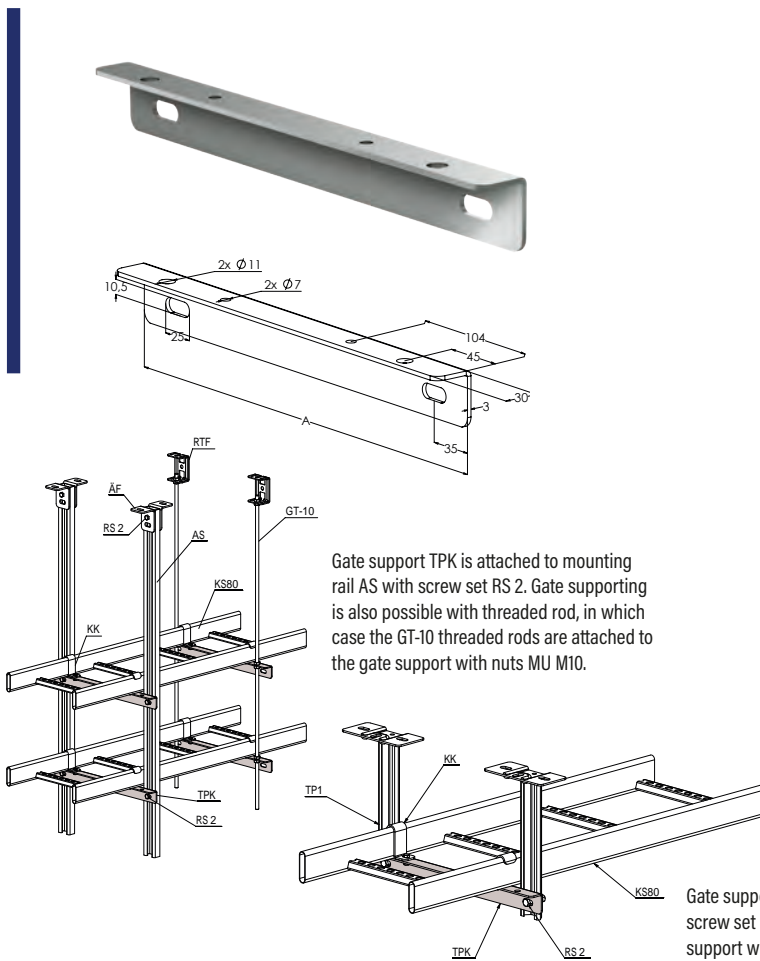


See the installation video.

Gate support TPK



Gate supports TPK are used mainly for mounting KS80, KS100 and KSF80 cable ladders to ceiling by using threaded rods GT, mounting rails AS and FP as well as ceiling supports HK1, HK2 and TP1. For fixing cable ladders to TPK supports two brackets KK are recommended to use.



Gate support TPK is attached to mounting rail AS with screw set RS 2. Gate supporting is also possible with threaded rod, in which case the GT-10 threaded rods are attached to the gate support with nuts MU M10.

Gate support TPK is attached to ceiling support TP1 with screw set RS 2. Cable ladders are attached to the gate support with bracket KK.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1449492	x TPK-200 HDG	0.52	340	10 PCE
1449493	x TPK-300 HDG	0.68	440	10 PCE
1449494	TPK-400 HDG	0.84	540	10 PCE
1449495	x TPK-500 HDG	1	640	10 PCE
1449496	x TPK-600 HDG	1.15	740	10 PCE
1449487	TPK-700 HDG	1.31	840	10 PCE
1449488	TPK-800 HDG	1.47	940	10 PCE
1449489	TPK-900 HDG	1.63	1040	10 PCE
1449491	TPK-1000 HDG	1.79	1140	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

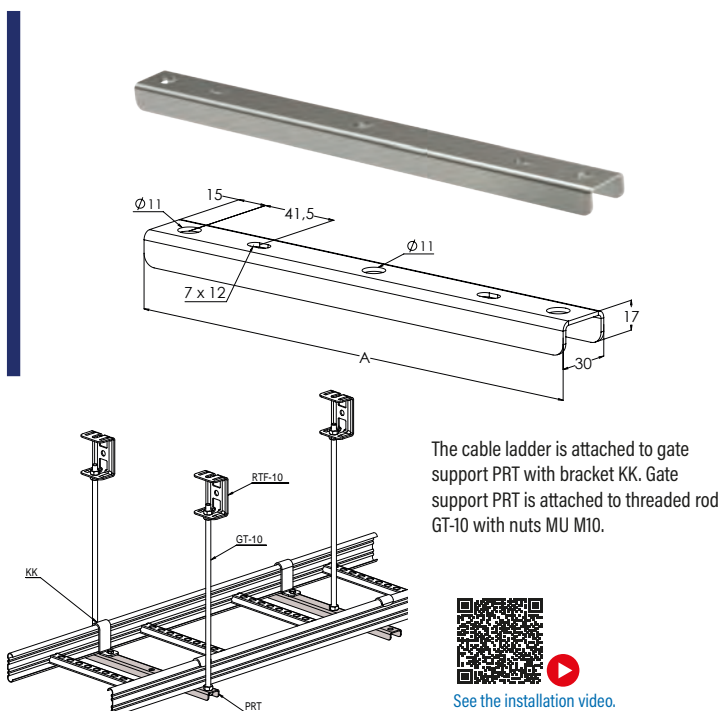
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1430262	HST TPK-200	0.51	340	10 PCE
1430263	HST TPK-300	0.66	440	10 PCE
1430264	HST TPK-400	0.83	540	10 PCE
1430265	HST TPK-500	0.97	640	10 PCE
1430266	HST TPK-600	1.13	740	10 PCE

HST Acid-proof steel : C1-CX

Gate support PRT



Universal gate supports PRT are used as gate or intermediate supports for mounting cable ladders, cable trays and wire mesh trays to ceiling. Depending on loading division and width of trays the mounting can be made by using one or two threaded rods GT. For fixing cable ladders to PRT supports two brackets KK are recommended to use, wire mesh trays can be fixed with WMT CL connector sets and cable trays with bolt sets RS 5, if needed.



The cable ladder is attached to gate support PRT with bracket KK. Gate support PRT is attached to threaded rod GT-10 with nuts MU M10.



See the installation video.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1449970	x PRT-200 PG	0.21	250	20 PCE
1449971	x PRT-300 PG	0.3	350	20 PCE
1449972	PRT-400 PG	0.38	450	20 PCE
1449973	x PRT-500 PG	0.47	550	20 PCE
1449974	x PRT-600 PG	0.56	650	20 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1433448	x PRT-200 XPG	0.21	250	20 PCE
1433449	x PRT-300 XPG	0.3	350	20 PCE
1433450	x PRT-400 XPG	0.38	450	20 PCE
1433451	x PRT-500 XPG	0.47	550	20 PCE
1433452	x PRT-600 XPG	0.56	650	20 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Wall bracket VK2

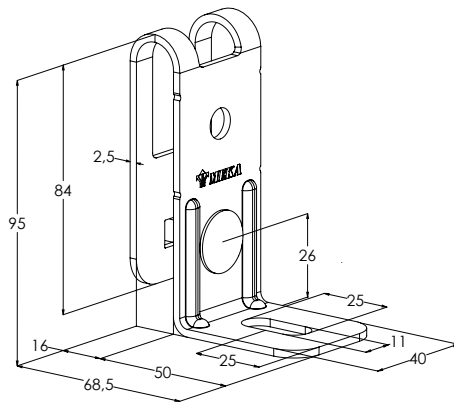


Wall brackets VK2 are used for mounting KS20-, KS60- and KS80-type cable ladders to wall, floor and ceiling. Brackets can also be used for fixing various devices to the side profiles of cable ladders. Wall brackets VK2 are installed around cable ladder profile and fixed with a bolt and nut included to product set.

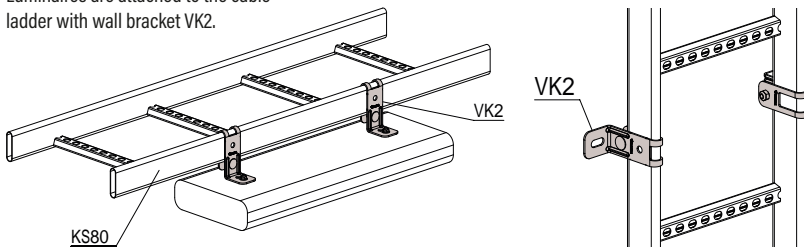
When using brackets VK2 the distance between cable ladders and surface is approx. 35 mm.



Please note!
The HST product differs in appearance to the PG and HDG products.



Luminaires are attached to the cable ladder with wall bracket VK2.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449479	x VK2 PG	0.23	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449112 RS VK2 HDG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449671	x VK2 HDG	0.24	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461: C1-C4

Product includes screw set: 1449112 RS VK2 HDG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430303	x HST VK2	0.22	10 PCE

HST Acid-proof steel : C1-CX

Product includes screw set: 1430432 HST RS VK2 (1 PCE)

Cable ladders (excluding KS100) are attached to the walls with wall bracket VK2. When using VK2, the gap between the cable ladder and wall is 32 mm.



[See the installation video.](#)

Wall bracket VK3

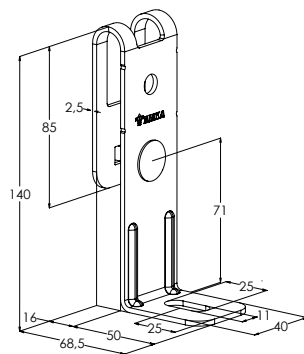


Wall brackets VK3 are used for mounting KS20-, KS60- and KS80-type cable ladders to wall, floor and ceiling. Brackets can also be used for fixing various devices to the side profiles of cable ladders. Wall brackets VK3 are installed around cable ladder profile and fixed with a bolt and nut included to product set.

When using brackets VK3 the distance between cable ladders and surface is approx. 80 mm.



Please note!
The HST product differs in appearance to the HDG product.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449668	x VK3 HDG	0.27	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

Product includes screw set: 1449112 RS VK2 HDG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430304	HST VK3	0.27	10 PCE

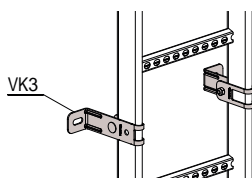
HST Acid-proof steel : C1-CX

Product includes screw set: 1430432 HST RS VK2 (1 PCE)

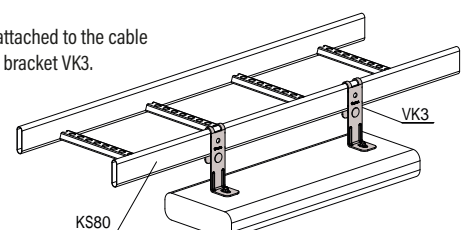
Luminaires are attached to the cable ladder with wall bracket VK3.



[See the installation video.](#)



Cable ladders (excluding KS100) are attached to the walls with wall bracket VK3. When using VK3, the gap between the cable ladder and wall is 77 mm.

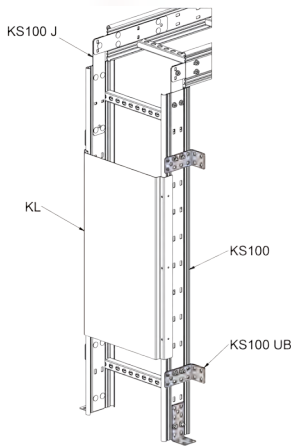
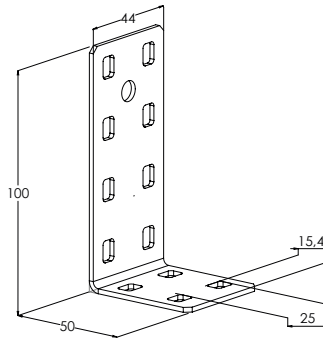


Bracket KS100 UB



Universal brackets KS100 UB are used to make T- and X-junctions as well as, together with joints KS100 J, vertical connections of KS100-type cable ladders. Brackets UB can be also used for fixing additional equipment into KS100 cable ladders' side profiles.

Product set includes bolts and nuts for fixing.



Brackets KS100 UB is used to attach the cable ladder KS100 to the floor or wall.

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1478130	x KS100 UB PG	0.11	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		
<i>Product includes screw set: 1470352 RS 5 EG (4 PCE)</i>			

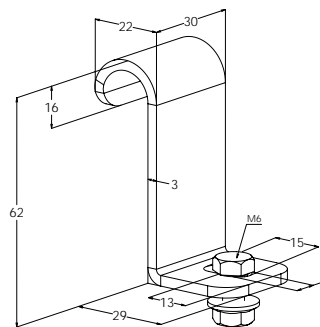
CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1478167	KS100 UB XPG	0.11	10 PCE
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4		
<i>Product includes screw set: 1470353 RS 5 HDG (4 PCE)</i>			

Bracket KK

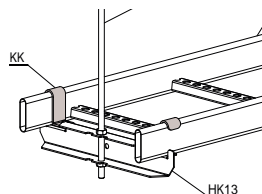
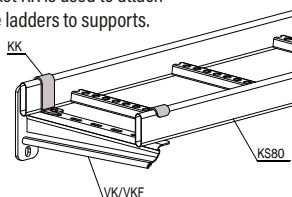


Brackets KK are used to fasten KS20-, KS60- and KS80-type cable ladders to intermediate supports HK13, gate supports PRT and TPK and wall supports VK, VKF and VKZ. Recommended is to use two brackets per support that ensures the stability of cable ladders even under heavier loads and in cases when cables are needed to ran along cable ladders.

Product set includes bolt M6x16 and nut M6 for fixing brackets to supports.



Bracket KK is used to attach cable ladders to supports.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449486	x KK PG	0.072	20 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		
<i>Product includes screw set: 1449697 RS 1 HDG (1 PCE)</i>			

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449676	x KK HDG	0.083	20 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		
<i>Product includes screw set: 1449697 RS 1 HDG (1 PCE)</i>			

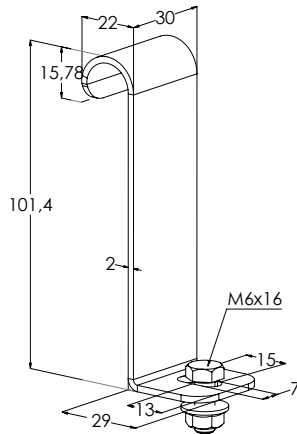
CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1430300	x HST KK	0.048	10 PCE
HST	Acid-proof steel : C1-CX		
<i>Product includes screw set: 1430428 HST RS 1 (1 PCE)</i>			

Bracket KS100 KK



Brackets KS100 KK are used to fasten KS100-type cable ladders to intermediate, gate and wall supports (excluding MK and VKI). Recommended is to use two brackets per support that ensures the stability of cable ladders even under heavier loads and in cases when cables are needed to run along cable ladders.

Product set includes M6x16 bolt and a M6 nut for fixing brackets to supports.



See the installation video.

CODE	PRODUCT	WGT.	PACKAGE
1478129	x KS100 KK PG <small>x = stock product</small>	0.11 kg / pc	20 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449697 RS 1 HDG (1 PCE)

CODE	PRODUCT	WGT.	PACKAGE
1478166	KS100 KK XPG <small>x = stock product</small>	0.11 kg / pc	20 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

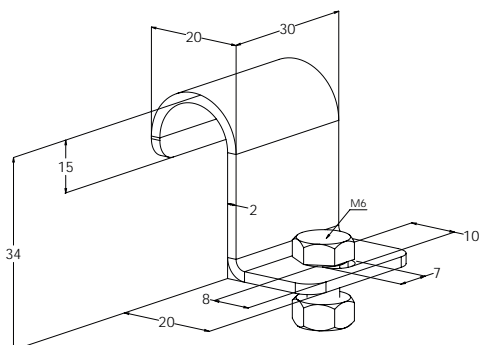
Product includes screw set: 1449697 RS 1 HDG (1 PCE)

Bracket KK-MK



Brackets KK-MK are used to fasten KS20 and KS60-type cable ladders to intermediate supports MK and wall supports VKI. Recommended is to use two brackets per support that ensures the stability of cable ladders even under heavier loads and in cases when cables are needed to run along cable ladders.

Product set includes bolt M6x16 and nut M6 for fixing brackets to supports.



CODE	PRODUCT	WGT.	PACKAGE
1449249	x KK-MK PG <small>x = stock product</small>	0.042 kg / pc	20 PCE

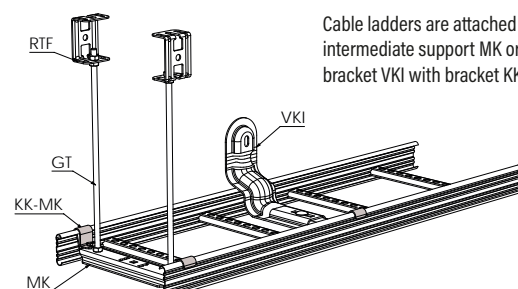
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449697 RS 1 HDG (1 PCE)

CODE	PRODUCT	WGT.	PACKAGE
1433139	KK-MK HDG <small>x = stock product</small>	0.035 kg / pc	20 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

Product includes screw set: 1449697 RS 1 HDG (1 PCE)



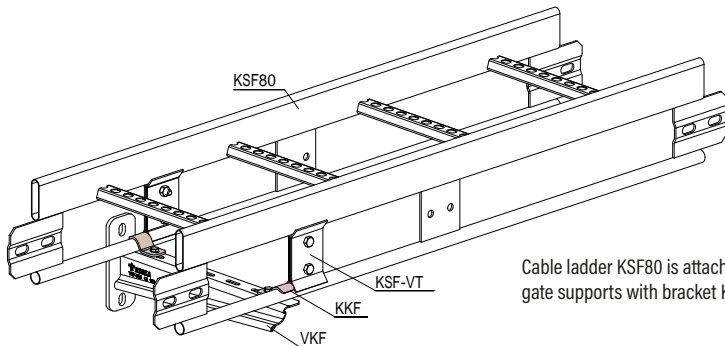
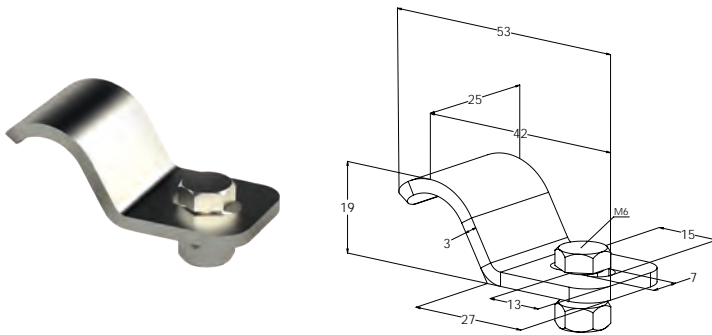
Cable ladders are attached to intermediate support MK or wall bracket VKI with bracket KK-MK.

Bracket KKF



Brackets KKF are used to fasten KSF80 cable ladders to compatible with KSF80 intermediate and wall supports. Recommended is to use two brackets per support that ensures the stability of cable ladders even under heavier loads and in cases when cables are needed to ran along cable ladders.

Product set includes bolt M6x16 and nut M6 for fixing brackets to supports.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449678	KKF HDG	0.044	20 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

Product includes screw set: 1449697 RS 1 HDG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430302	HST KKF	0.032	20 PCE

HST Acid-proof steel : C1-CX

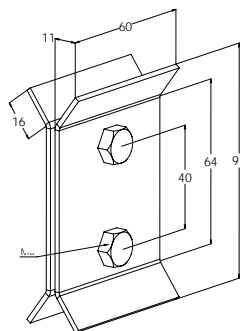
Product includes screw set: 1430428 HST RS 1 (1 PCE)

Side profile support KSF-VT



Side profile supports KSF-VT are used as additional reinforcement of cable ladders KSF80 when wall or intermediate supports are placed under ladders' lower tubes.

Product set includes two plates with bolts and nuts for fixing.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449682	KSF-VT HDG	0.2	10 PCE

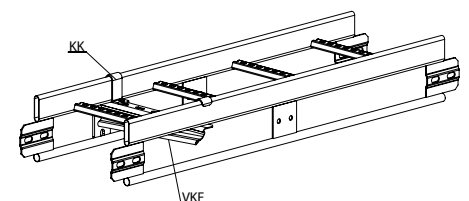
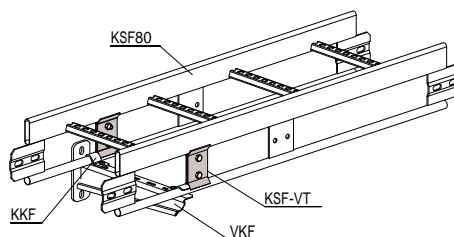
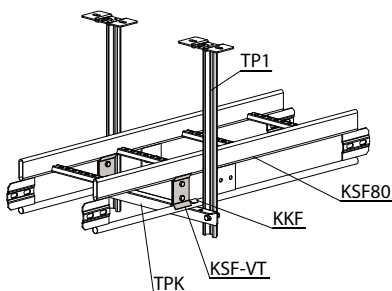
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

Product includes screw set: 1449698 RS 2 HDG (2 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430312	HST KSF-VT	0.27	10 PCE

HST Acid-proof steel : C1-CX

Product includes screw set: 1430429 HST RS 2 (2 PCE)



Side profile support KSF-VT is used as an additional reinforcement by the supports of cable ladder KSF80, if the cable ladder is attached from the lower tube.

Side profile support KSF-VT is used as an additional reinforcement by the supports of cable ladder KSF80, if the cable ladder is attached from the lower tube.

Supporting the 200-400 mm wide KSF ladders from the upper tube is possible with the VKF wall bracket. Side profile support KSF-VT is not required if cable ladder is supported from the upper tube.

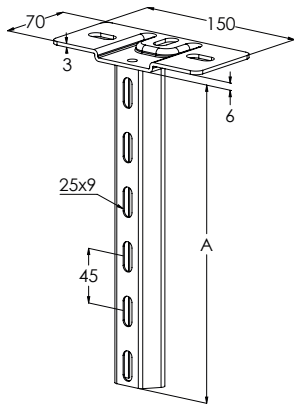
Ceiling support TP1



Ceiling supports TP1 are used for mounting cable ladders, -trays and wire mesh trays to ceiling or floor. Compatible supports for cable ladders and -trays, that can be used together with TP1, are intermediate supports HK13 and gate supports TPK. Usage TP1 together with HK13 supports guarantees a rigid construction that allows asymmetrical load distribution when cables with different weight are installed from both side of TP1.



Please note!
The HST product differs in appearance to the HDG product.



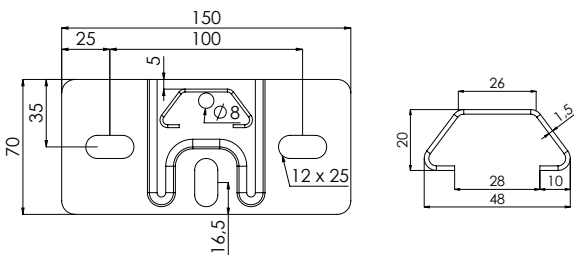
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1449601	x TP1-250 HDG	0.52	264	350	10 PCE
1449602	x TP1-500 HDG	0.79	533	350	10 PCE
1449603	x TP1-750 HDG	1.01	758	350	10 PCE
1449604	x TP1-1000 HDG	1.24	989	350	10 PCE
1449606	x TP1-1500 HDG	1.73	1483	350	1 PCE
1449608	x TP1-2000 HDG	2.22	1979	350	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

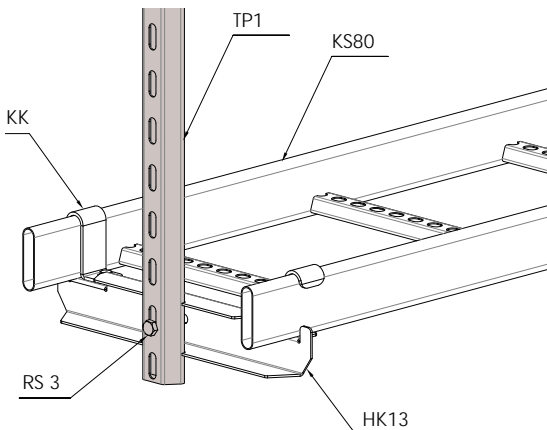
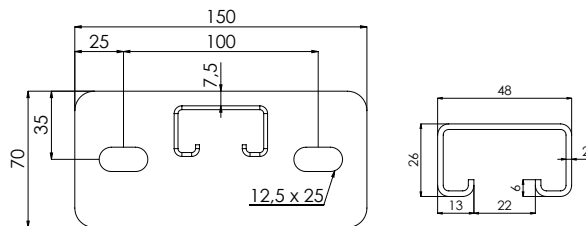
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1430190	HST TP1-250	0.95	270	350	10 PCE
1430191	HST TP1-500	1.36	495	350	10 PCE
1430192	HST TP1-750	1.86	765	350	10 PCE
1430193	HST TP1-1000	2.21	990	350	10 PCE
1430194	HST TP1-1500	3.14	1485	350	1 PCE
1430195	HST TP1-2000	4.07	1980	350	1 PCE

HST Acid-proof steel : C1-CX

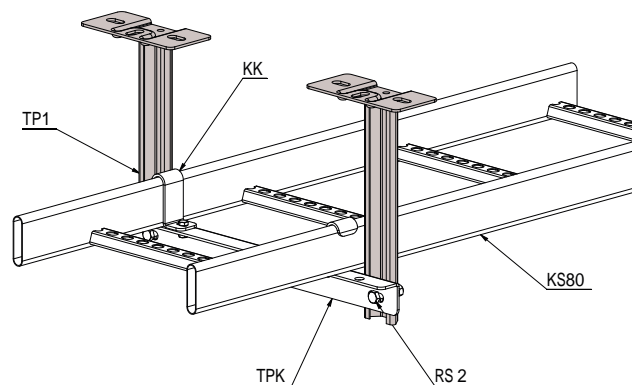
HDG



HST



Intermediate support HK13 is attached to ceiling support TP1 with screw set RS3.



In installing gate supports, gate support TPK is attached to ceiling support TP1 with screw set RS2.

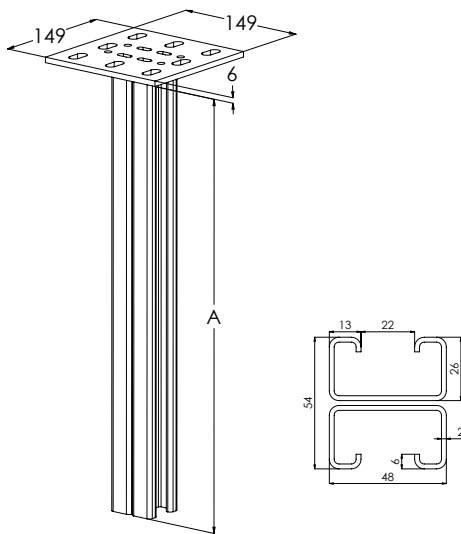
Ceiling support TP2



Ceiling supports TP2 are used for mounting cable ladders, cable trays and wire mesh trays to ceiling or floor. Cable ladders and trays can be mounted on both sides of TP2 at various level by using VK-type wall supports and sliding nuts SMT, AKM, TB or bolt sets RS.



Please note!
The HST product differs in appearance to the HDG product.



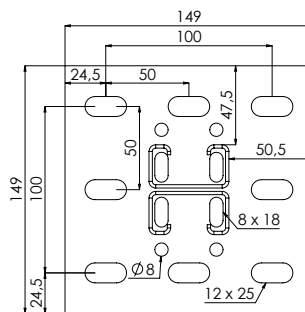
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1449610	x TP2-500 HDG	2.81	495	5000	1 PCE
1449613	x TP2-1000 HDG	4.46	990	5000	1 PCE
1449615	x TP2-1500 HDG	6.23	1485	5000	1 PCE
1449617	x TP2-2000 HDG	8.27	1980	5000	1 PCE
1449618	x TP2-3000 HDG	11.71	3015	5000	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

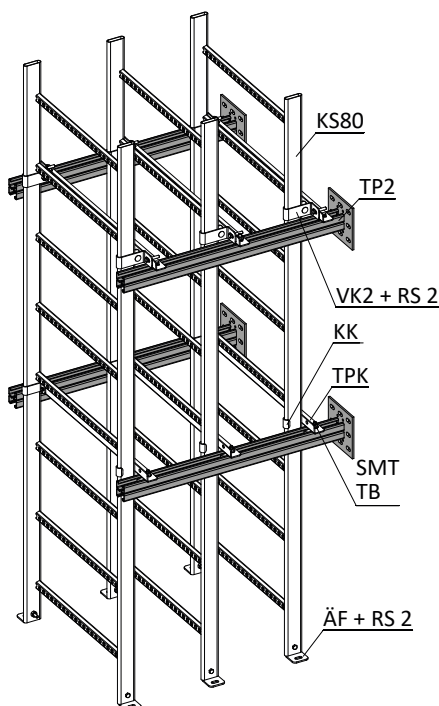
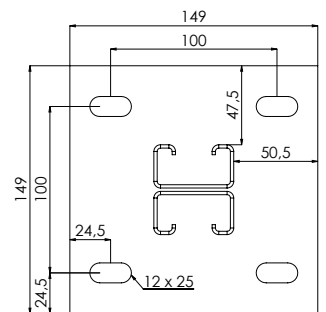
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1430200	HST TP2-500	2.8	495	5000	1 PCE
1430201	HST TP2-1000	4.45	990	5000	1 PCE
1430202	HST TP2-1500	6.29	1485	5000	1 PCE
1430203	HST TP2-2000	8.07	1980	5000	1 PCE
1430204	HST TP2-3000	12	3015	5000	1 PCE

HST Acid-proof steel : C1-CX

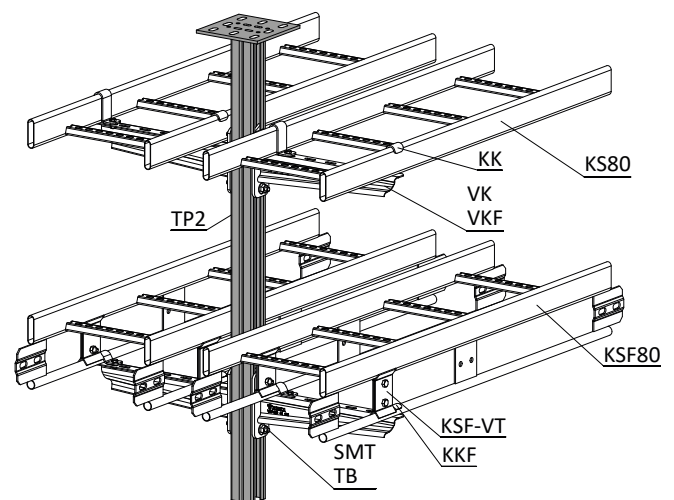
HDG



HST



Ceiling support TP2 enables wall installations for vertical cable ladders.



It is possible to attach multiple layers of wall brackets to ceiling support TP2.

Ceiling support TP2-L

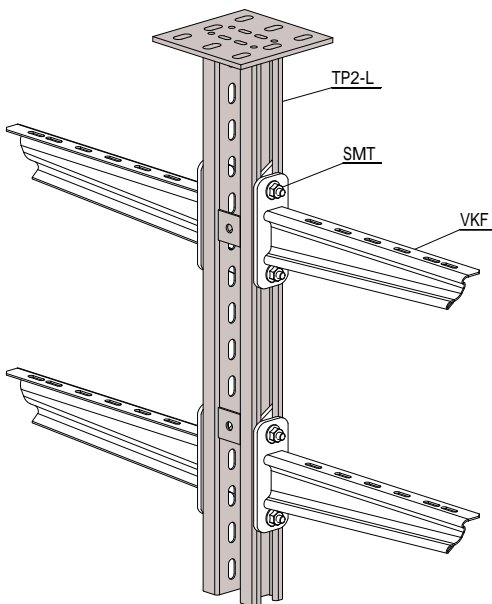
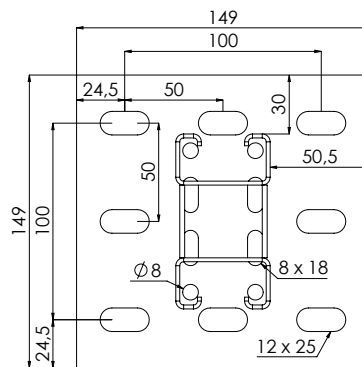
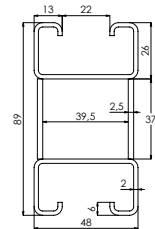
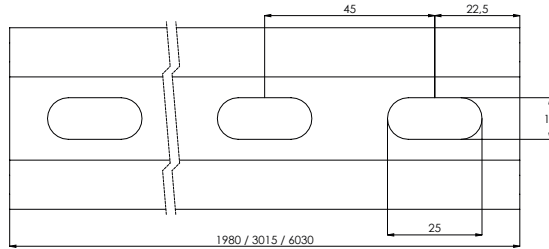
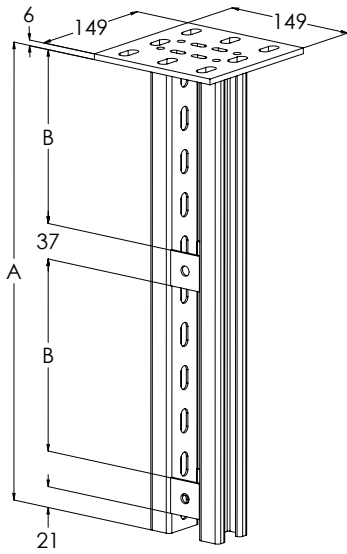


Reinforced ceiling supports TP2-L are used for mounting cable ladders, cable trays and wire mesh trays to ceiling or floor. Cable ladders and trays can be mounted on both side of TP2-L at various level by using VK-type wall supports and sliding nuts SMT, AKM, TB and bolt sets RS.

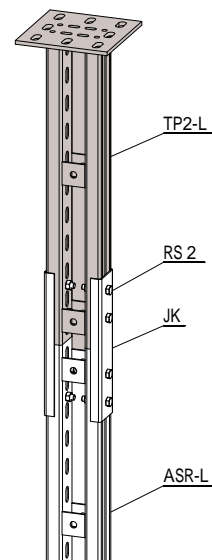


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1449130	TP2-L-500 HDG	2.98	495	200	8000	1 PCE
1449131	TP2-L-1000 HDG	4.98	990	206	8000	1 PCE
1449132	TP2-L-1500 HDG	6.97	1485	207	8000	1 PCE
1449133	TP2-L-2000 HDG	8.97	1980	208	8000	1 PCE
1449134	TP2-L-3000 HDG	13.14	3015	213	8000	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



It is possible to attach wall brackets to both sides of ceiling support TP2-L with sliding nuts SMT or TB.



Ceiling support TP2-L can be extended with mounting rail ASR-L with joint JK.

Ceiling support TP2-P



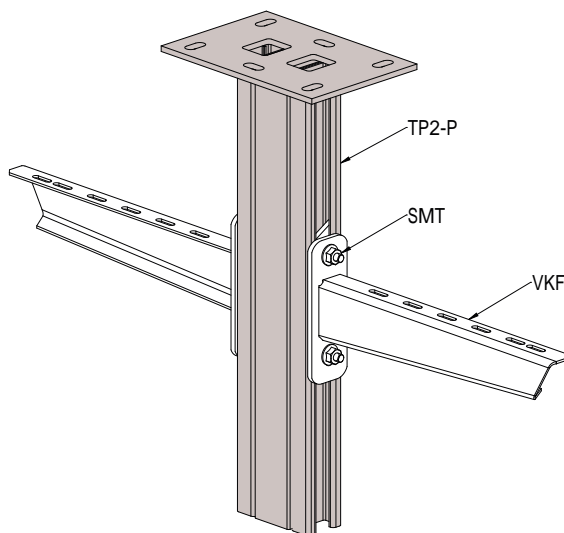
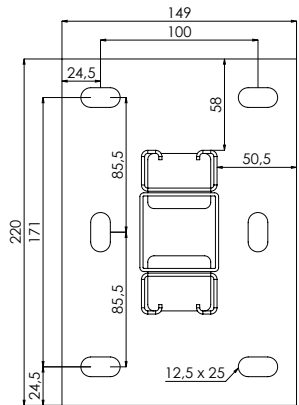
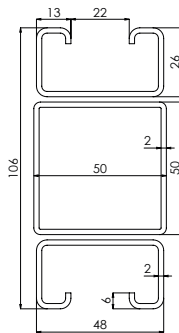
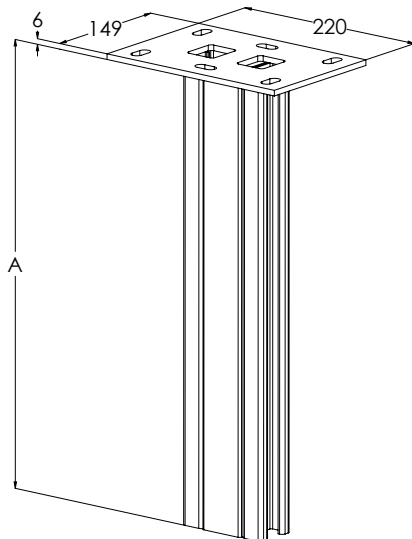
Reinforced ceiling supports TP2-P are used for mounting cable ladders, cable trays and wire mesh trays to ceiling or floor. Cable ladders and trays can be mounted on both sides of TP2-P at various level by using VK-type wall supports and sliding nuts SMT, AKM, TB.



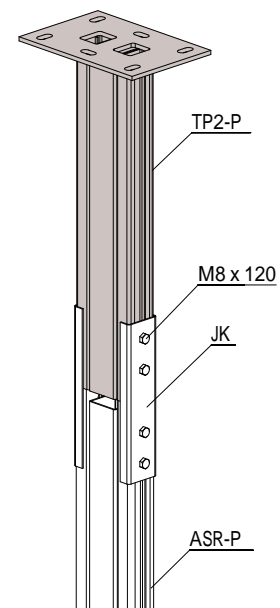
Please note!
The product's trunk is not perforated.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1449140	TP2-P-500 HDG	4.69	495	8000	1 PCE
1449141	x TP2-P-1000 HDG	7.95	990	8000	1 PCE
1449142	x TP2-P-1500 HDG	11.25	1485	8000	1 PCE
1449143	x TP2-P-2000 HDG	14.54	1980	8000	1 PCE
1449144	TP2-P-3000 HDG	21.43	3015	8000	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



It is possible to attach wall brackets to both sides of ceiling support TP2-P with sliding nuts SMT or TB.

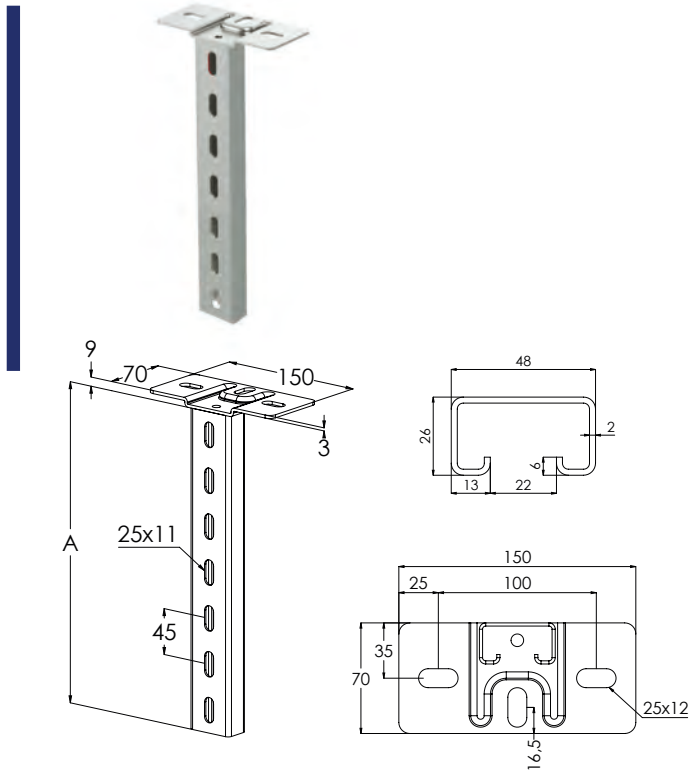


Ceiling support TP2-P can be extended with mounting rail ASR-P with joint JK.

Ceiling support HK1

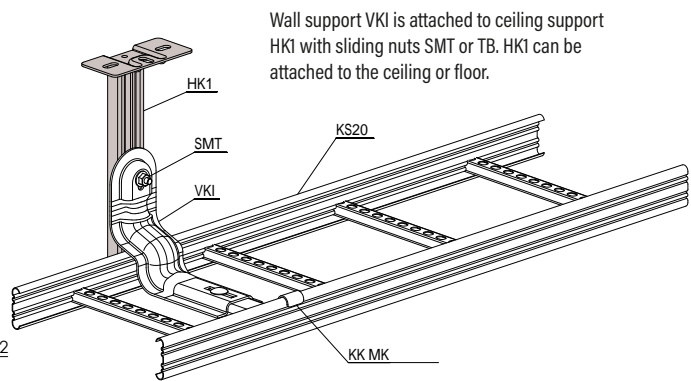


Ceiling supports HK1 are used to install cable ladders, -trays and wire mesh trays to ceiling or floor. Compatible supports for cable ladders and -trays that can be used together with HK1 are intermediate supports HK13, VK-type wall supports, gate supports TPK and mounting rails AS. HK1 supports can be installed near by walls.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1449497	HK1-300 HDG	0.84	315	750	10 PCE
1449498	x HK1-500 HDG	1.13	495	750	10 PCE
1449499	HK1-750 HDG	1.69	765	750	10 PCE
1449500	HK1-1000 HDG	2.16	990	750	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



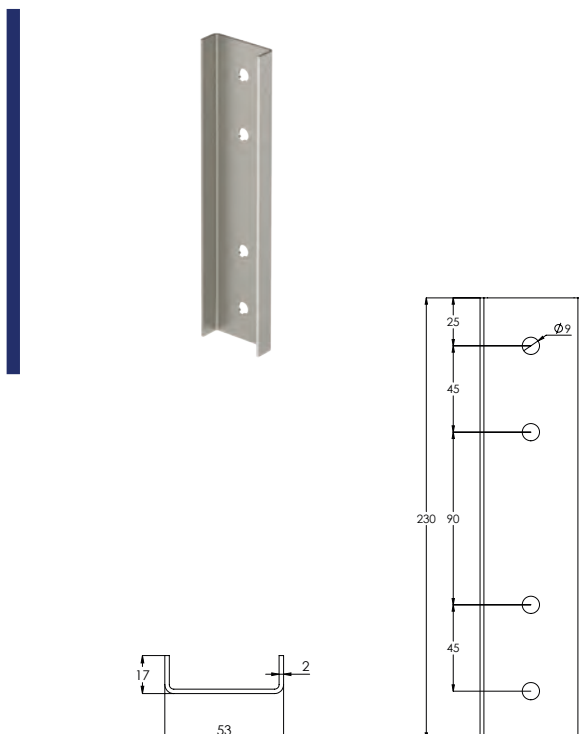
Wall support VKI is attached to ceiling support HK1 with sliding nuts SMT or TB. HK1 can be attached to the ceiling or floor.

Joint JK



Joints JK are used to extend mounting rails AS, AS K, ASR, ASR-L, ASR-P and FP as well as ceiling supports HK1, HK2, TP1, TP2, TP2-L and TP2-P.

Depending on profile of mounting rail one or two JK have to be used. Product set includes four bolts and nuts (M8x40 and M8) for fixing.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449673	x JK HDG	0.34	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

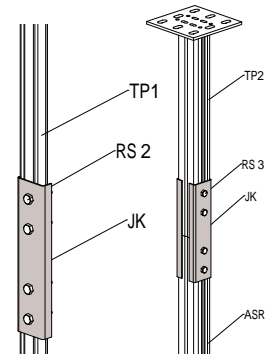
Product includes screw set: 1449673 RS 2 HDG (4 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430293	HST JK	0.29	10 PCE

HST Acid-proof steel : C1-CX

Product includes screw set: 1430429 HST RS 2 (4 PCE)

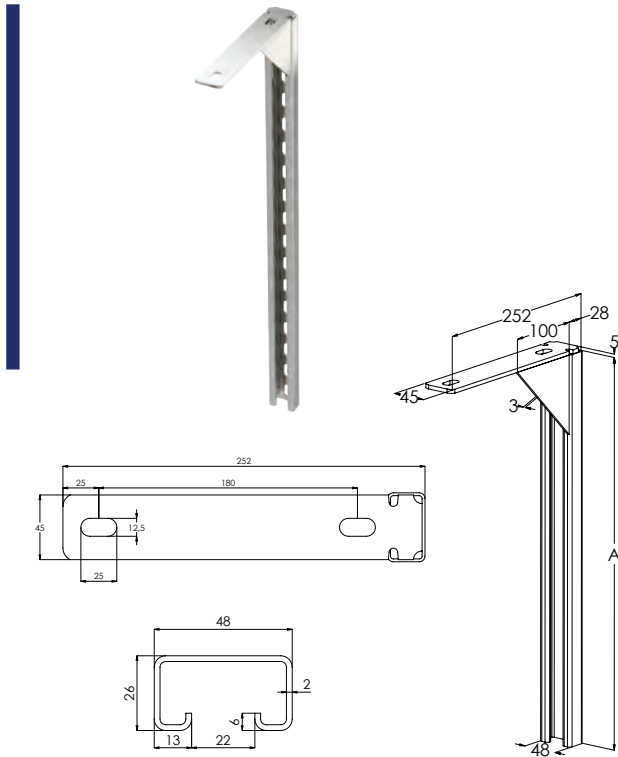
Ceiling support TP1 can be extended with mounting rail FP with joint JK. Ceiling support TP2 can be extended with mounting rail ASR with two JK joints.



Ceiling support HK2

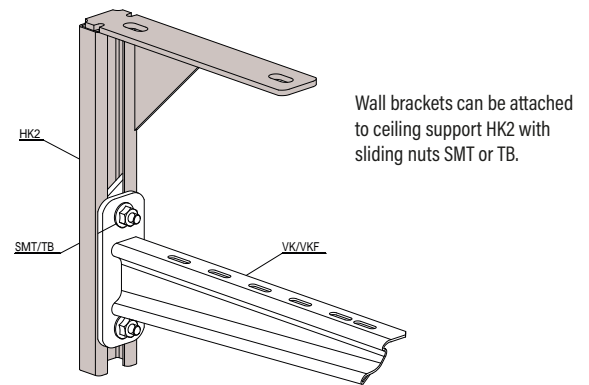


Ceiling supports HK2 are used to install cable ladders, -trays and wire mesh trays to ceiling or floor. Compatible supports for cable ladders and -trays that can be used together with HK2 are intermediate supports HK13, VK-type wall supports, gate supports TPK and mounting rails AS. HK2 supports can be installed near by walls.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1449633	HK2-300 HDG	1.19	315	10 PCE
1449635	HK2-500 HDG	1.44	495	10 PCE
1449637	HK2-750 HDG	2.01	765	10 PCE
1449640	HK2-1000 HDG	2.43	990	10 PCE

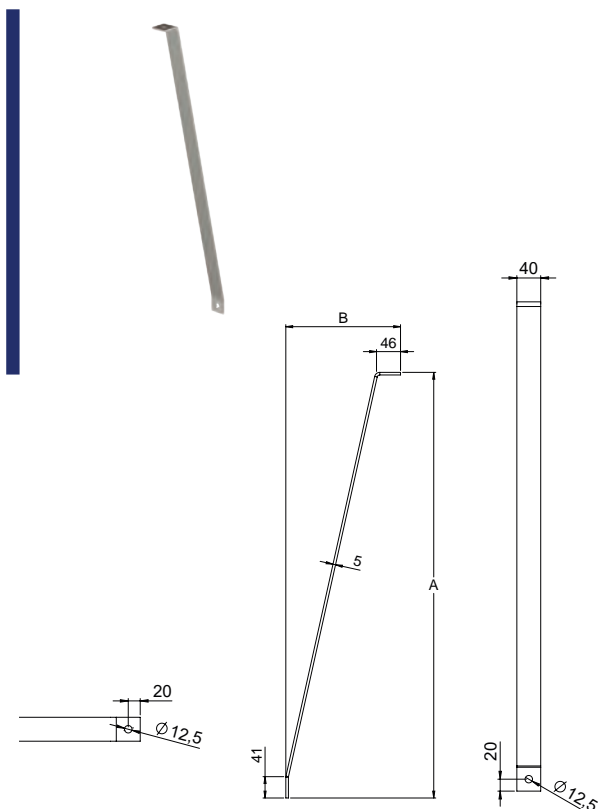
HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



Side support ST

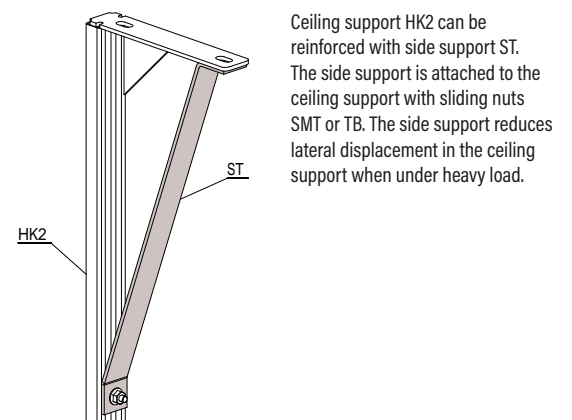


Side supports ST are used for additional supporting of ceiling supports TP1, TP2, HK1 and HK2 in cases when cable ladders or -trays are installed on one side of supports and bending moment is significant due to higher loading.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	PACKAGE
1449150	ST-300 HDG	0.68	320	221	10 PCE
1449151	ST-500 HDG	0.94	520	221	10 PCE
1449152	ST-800 HDG	1.32	820	221	10 PCE
1449153	ST-1500 HDG	2.4	1520	365	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

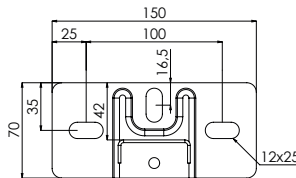
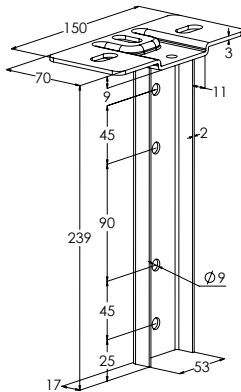


Ceiling bracket AS-TF



Ceiling brackets AS-TF are used for fixing mounting rails AS to the ceiling or floor.

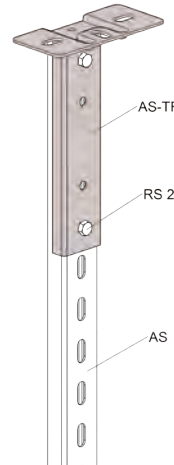
Product set includes 2 bolts and 2 nuts for fixing AS rails into brackets AS-TF.



CODE	PRODUCT	WGT.	PACKAGE
1449220	x AS-TF HDG <small>x = stock product</small>	0.6 kg / pc	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

Product includes screw set: 1449698 RS 2 HDG (2 PCE)



Ceiling bracket AS-TF is attached to mounting rail AS with screw set RS 2. Ceiling bracket AS-TF is used when the mounting rail's end must be attached to the floor or ceiling.

Ceiling bracket ASR-TF

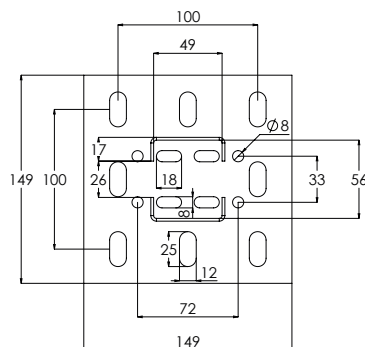
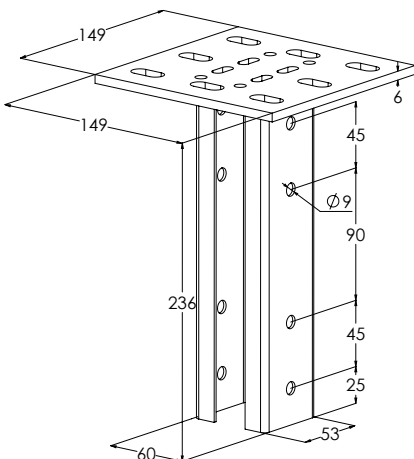


Ceiling brackets ASR-TF are used for fixing mounting rails ASR to the ceiling or floor.

Product set includes 4 bolts and 4 nuts for fixing ASR rails to brackets ASR-TF.



Please note!
The HST product differs in appearance to the HDG product.



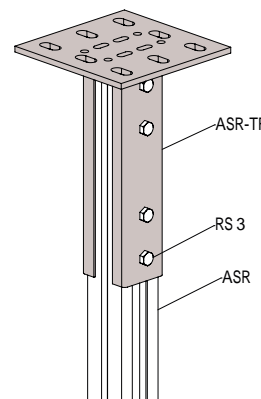
CODE	PRODUCT	WGT.	LOADING	PACKAGE
1449665	x ASR-TF HDG <small>x = stock product</small>	1.57 kg / pc	700 max. kg	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

Product includes screw set: 1449699 RS 3 HDG (4 PCE)

CODE	PRODUCT	WGT.	LOADING	PACKAGE
1430316	HST ASR-TF <small>x = stock product</small>	1.6 kg / pc	700 max. kg	1 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



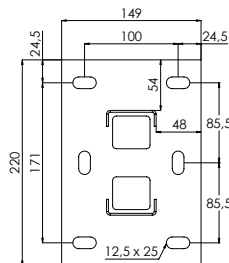
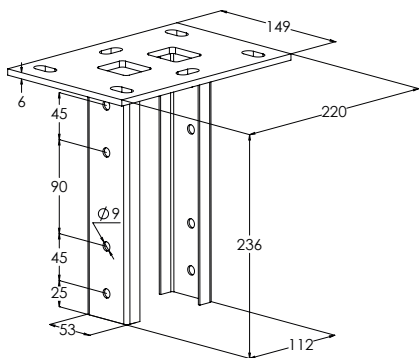
Ceiling bracket ASR-TF is attached to mounting rail ASR with screw set RS 3. Ceiling bracket ASR-TF is used when the mounting rail's end must be attached to the floor or ceiling.

Ceiling bracket ASR-P-TF

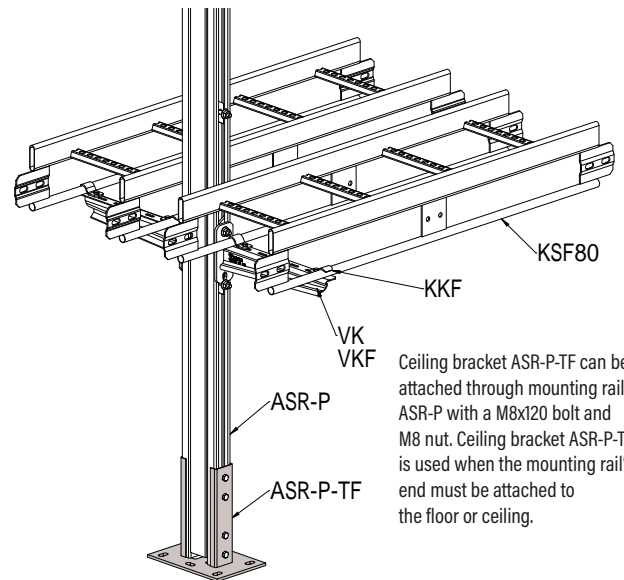


Ceiling brackets ASR-P-TF are used for fixing mounting rails ASR-P to the ceiling or floor. For fixing ASR-P rails into brackets ASR-P-TF four bolt sets RS12 (bolt M8x120 and nut M8) have to be ordered separately.

Please note that mounting rails ASR-P are not perforated.



CODE	PRODUCT	WGT.	PACKAGE
1449490	ASR-P-TF HDG x = stock product	2 kg / pc	1 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

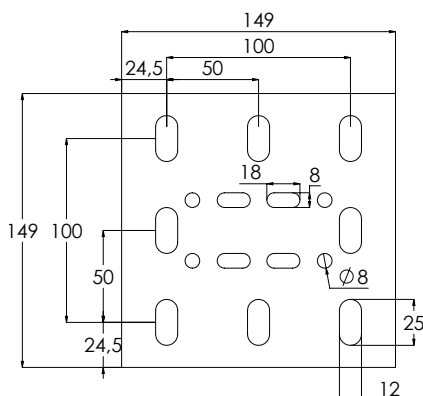


Ceiling bracket ASR-P-TF can be attached through mounting rail ASR-P with a M8x120 bolt and M8 nut. Ceiling bracket ASR-P-TF is used when the mounting rail's end must be attached to the floor or ceiling.

Fixing plate PL

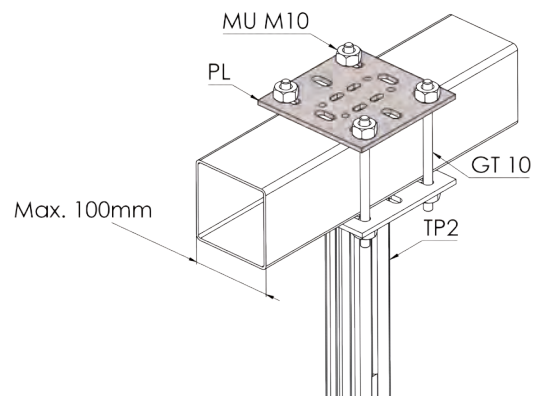


Fixing plates PL are used to attach TP2-type ceiling supports to I- and square beams. Plates PL can be fixed to TP2 by using M10x30 bolts and M10 nuts (bolt sets RS KSF). The width of beams can be max. 100 mm.



CODE	PRODUCT	WGT.	PACKAGE
1449156	PL HDG x = stock product	0.93 kg / pc	1 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

Fixing plate PL can be used to attach beams.



Mounting rail AS



Mounting rails AS are used for fastening cable ladders and -trays to ceiling and wall. Use of mounting rails allows distributing the load to a larger area on the wall and height adjustment of the VK-type wall supports. AS rails can be used for mounting variable ceiling support also.

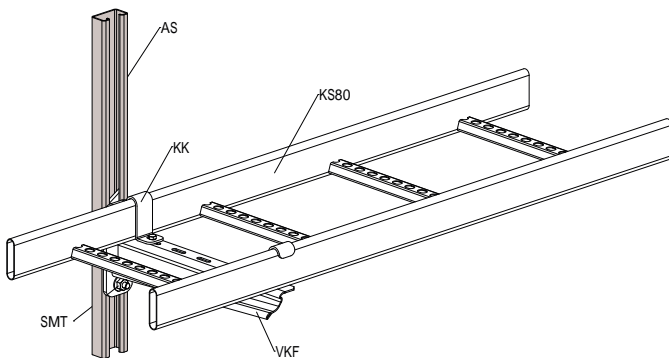
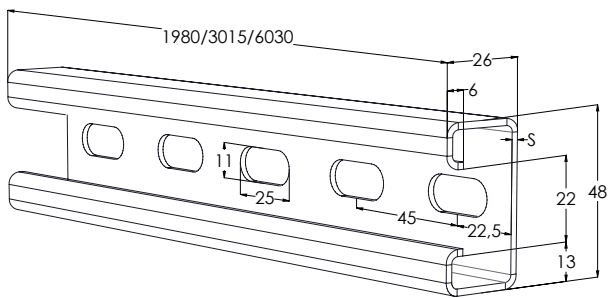
For mounting VK-type wall supports into AS rails sliding nuts SMT, AKM and TB are recommended.



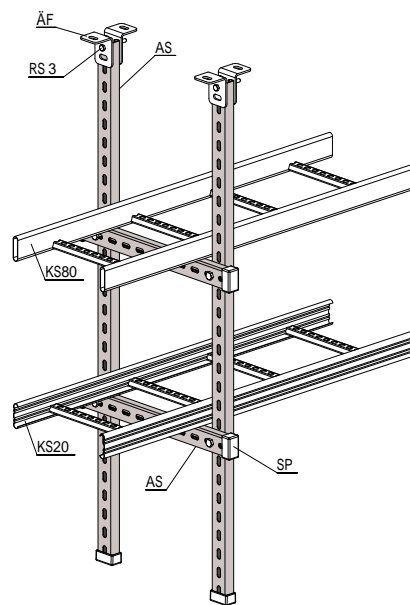
CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	S mm	PACKAGE
1449647	AS K L=3015 PG	3.92	3015	1.5	50 PCE / 150 MTR
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2				

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	S mm	PACKAGE
1449648	x AS L=6030 HDG	11.68	6030	2	50 PCE / 300 MTR
1449661	x AS L=3015 HDG	5.84	3015	2	50 PCE / 150 MTR
1449691	AS L=1980 HDG	3.89	1980	2	50 PCE / 100 MTR
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4				

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	S mm	PACKAGE
1430410	x HST AS L=6030	10.72	6030	2	50 PCE / 300 MTR
HST	Acid-proof steel : C1-CX				



Mounting rail AS makes it possible to distribute the load of a wall bracket to a larger area. The wall bracket is attached to the mounting rail with sliding nuts SMT, TB or AKM.



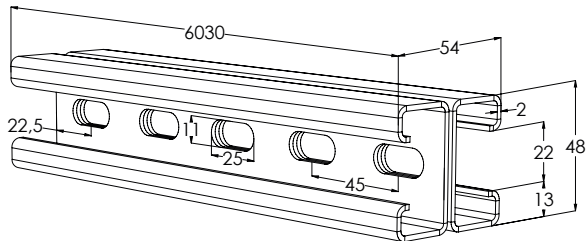
Mounting rail AS can be used to build a gate support,

Mounting rail ASR



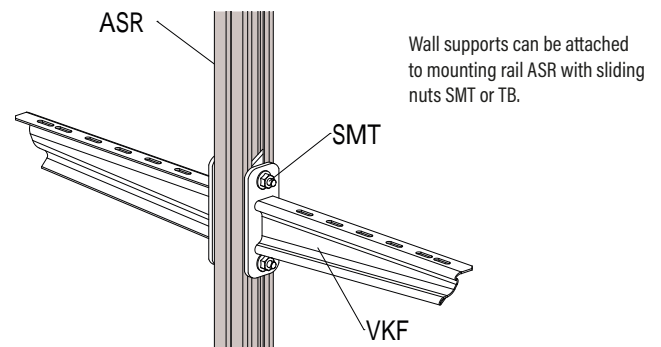
Two-sided mounting rails ASR are used for fastening cable ladders and -trays to ceiling and floor. For supporting are suitable VK-type wall supports that can be mounted from one or both sides of rails. Height adjustment of supports is easy, especially when for wall supports' fixing are used sliding nuts SMT, AKM or TB.

For mounting ASR rails to ceiling or floor brackets ÄF or ASR-TF can be used.



CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1449660	x ASR L=6030 HDG	22.18	6030	30 PCE / 180 MTR
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1430411	HST ASR L=6030	22.18	6030	30 PCE / 180 MTR
HST	Acid-proof steel : C1-CX			



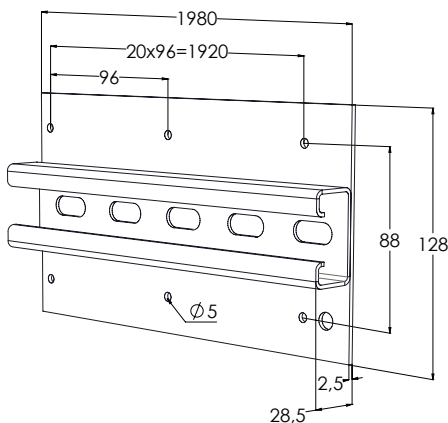
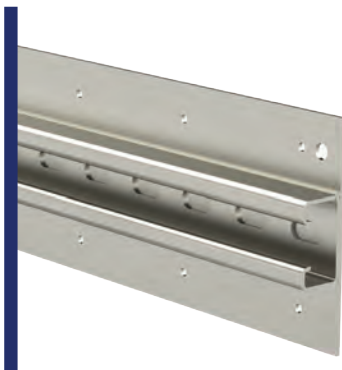
Wall supports can be attached to mounting rail ASR with sliding nuts SMT or TB.

Wall mounting rail AS WALL



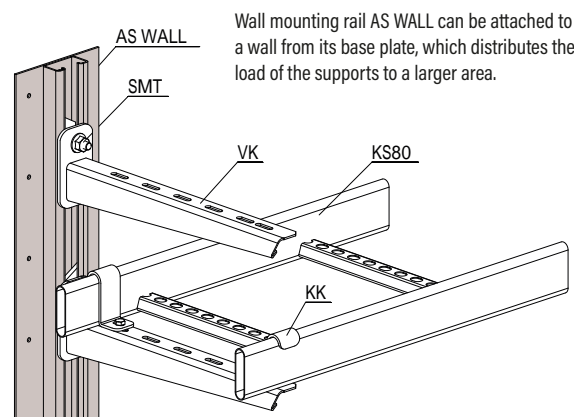
Wall mounting rails AS WALL are used for fastening cable ladders and -trays to wall by using VK-type supports. Support plates allow load distribution to a larger area on the wall that enable mounting to wood or other lightweight material walls.

For mounting VK-type wall supports into AS WALL rails sliding nuts SMT, AKM and TB are recommended.



CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1449208	x AS WALL L=1980 HDG	8.94	1980	1 PCE / 2 MTR
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1430409	HST AS WALL L=1980	8.94	1980	1 PCE / 2 MTR
HST	Acid-proof steel : C1-CX			



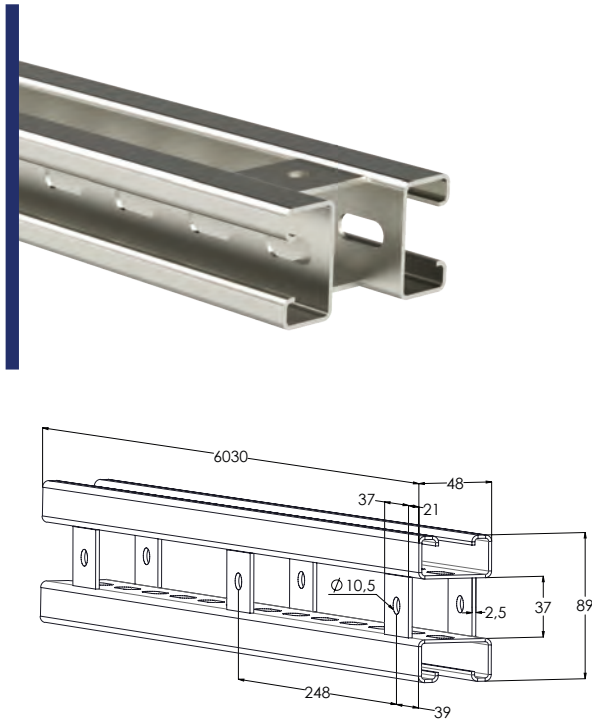
Wall mounting rail AS WALL can be attached to a wall from its base plate, which distributes the load of the supports to a larger area.

Mounting rail ASR-L

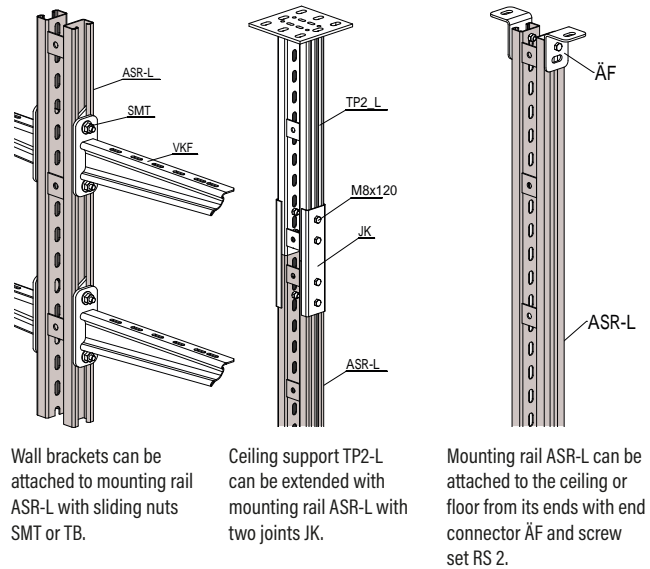


Two-sided mounting rails ASR-L are used for fastening cable ladders and -trays to ceiling and floor. For supporting are suitable VK-type wall supports that can be mounted from one or both sides of rails. Height adjustment of supports is easy, especially when for wall supports' fixing are used sliding nuts SMT, AKM or TB.

For mounting ASR-L rails to ceiling or floor brackets ÄF can be used.



CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1449136	ASR-L L=6030 HDG	22.65	6030	1 PCE / 6 MTR
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			

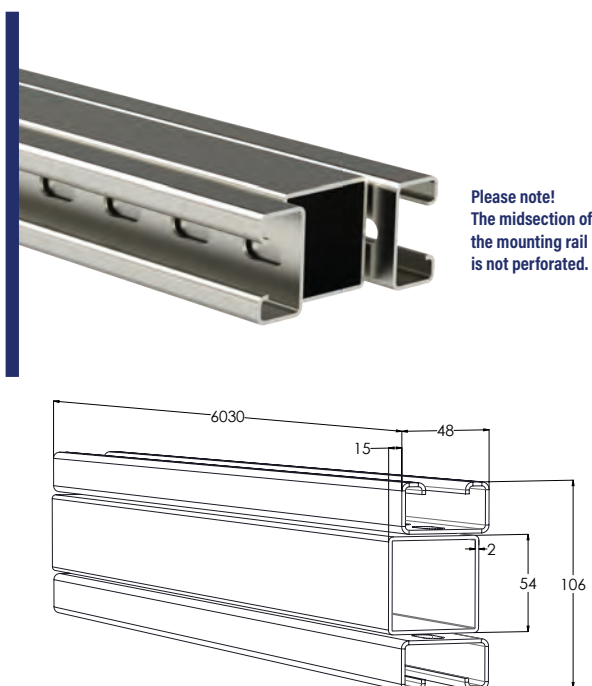


Mounting rail ASR-P

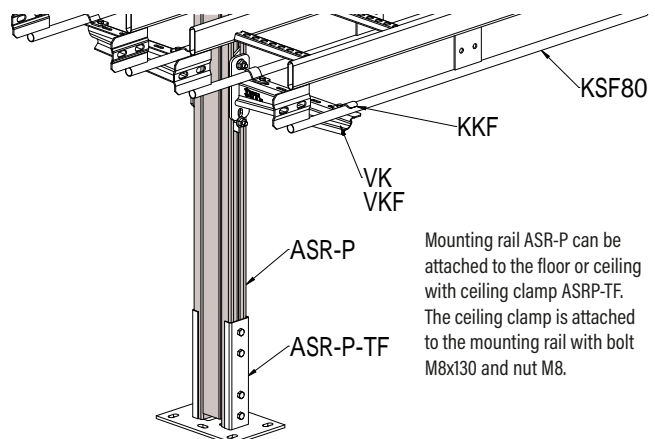


Two-sided mounting rails ASR-P are used for fastening cable ladders and -trays to ceilings and floor. For supporting are suitable VK-type wall supports that can be mounted from one or both sides of rails. Height adjustment is easy, especially when for wall supports' fixing are used sliding nuts SMT, AKM or TB.

For mounting ASR-P rails to ceiling or floor brackets ASR-P-TF can be used.



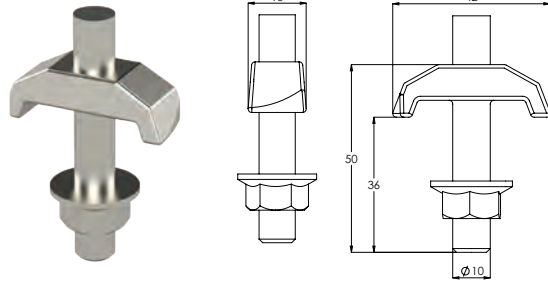
CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1449137	ASR-P L=6030 HDG	38.88	6030	1 PCE / 6 MTR
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			



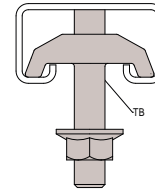
Sliding nut TB



Sliding nuts TB are used to fasten VK-type wall supports for mounting rails AS, ASR, ASR-L and ASR-P as well as to ceiling supports HK1, HK2, TP2, TP2-L and TP2-P. Rubber pads keep TB nuts at place inside of rails and make fixing of wall supports easier.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449649	x TB HDG	0.065	800	10 PCE
HDG	HDG or corresponding corrosion protection : C1-C4			

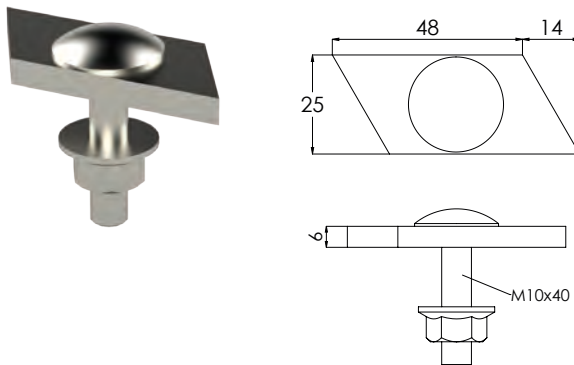


Sliding nut TB is slotted in the groove of a mounting rail or ceiling support, where it is locked in place by twisting its base inside the rail.

Sliding nut SMT

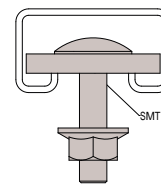
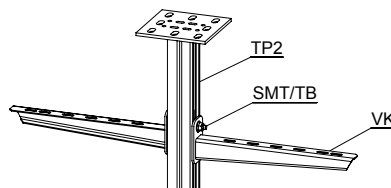


Sliding nuts SMT are used to fasten VK-type wall supports to mounting rails AS, ASR, ASR-L and ASR-P as well as to ceiling supports HK1, HK2, TP2, TP2-L and TP2-P. Using SMT nuts allow smooth adjustment of the height of supports and setting the cableways straight.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449684	x SMT HDG	0.096	800	10 PCE
HDG	HDG or corresponding corrosion protection : C1-C4			
<i>Product includes screw set: 1449113 RS SMT HDG (1 PCE)</i>				

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1430422	x HST SMT	0.098	800	10 PCE
HST	Acid-proof steel : C1-CX			
<i>Product includes screw set: 1430433 HST RS SMT (1 PCE)</i>				



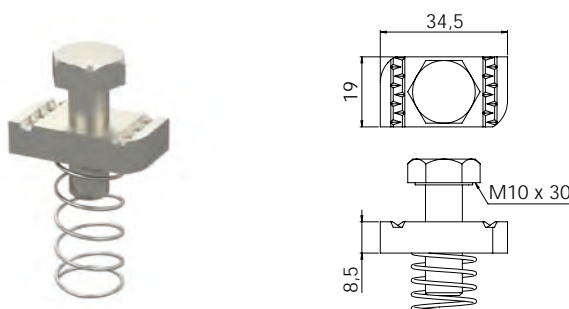
Sliding nut SMT is slotted in the groove of a mounting rail or ceiling support, where it is locked in place by twisting its base inside the rail.

Sliding nut AKM

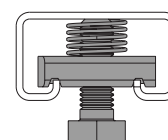


Sliding nuts AKM are used to fasten VK-type wall supports for mounting rails AS, ASR, ASR-L and ASR-P as well as to ceiling supports HK1, HK2, TP2, TP2-L and TP2-P.

Springs keep AKM nuts at place inside of rails and make fixing of VK-type wall supports easier.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449683	x AKM HDG	0.07	10 PCE
HDG	HDG or corresponding corrosion protection : C1-C4		



Sliding nut AKM is slotted in the groove of a mounting rail or ceiling support, where it is locked in place by twisting its base inside the rail.

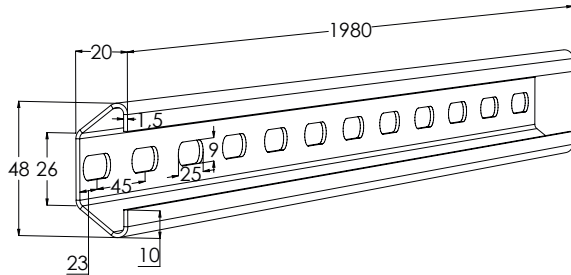
Mounting rail FP



Mounting rails FP are used to attach ceiling brackets RTF-S as well as to extend ceiling supports TP1. Both solutions are suitable for mounting KS-type cable ladders to ceiling by using HK13-type intermediate supports.



Please note!
The HST product differs in appearance to the PG and HDG products.



CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1449619	FP L=1980 PG	1.85	1980	1 PCE / 1,98 MTR

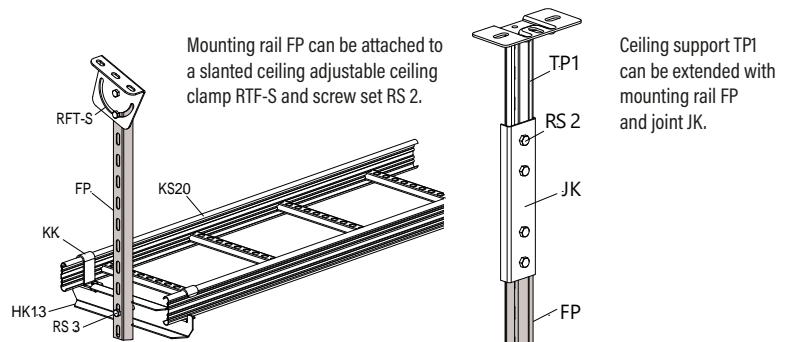
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			
----	---	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1449620	x FP L=1980 HDG	1.94	1980	1 PCE / 1,98 MTR

HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			
-----	--	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1430414	HST FP L=1980	1.9	1980	1 PCE / 1,98 MTR

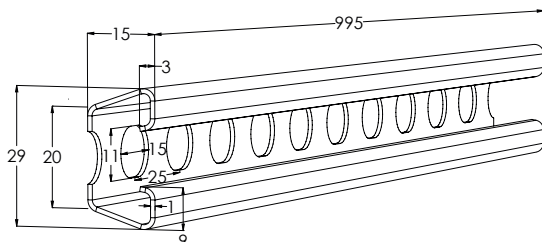
HST	Acid-proof steel : C1-CX			
-----	--------------------------	--	--	--



Mounting rail CK

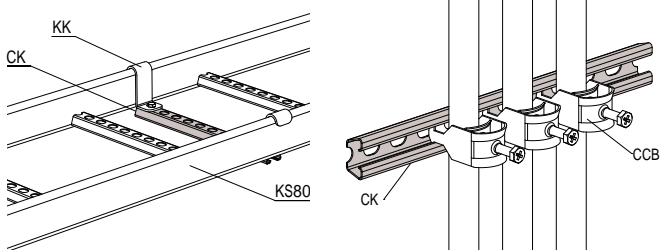


Mounting rails CK are used to fasten additional equipment to KS-type cable ladders as well as fix cables to wall. Cables can be fixed to CK rails by using cable clamps CCB.



CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	PACKAGE
1449621	x CK L=995 PG	0.44	995	10 PCE / 10 MTR

PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			
----	---	--	--	--



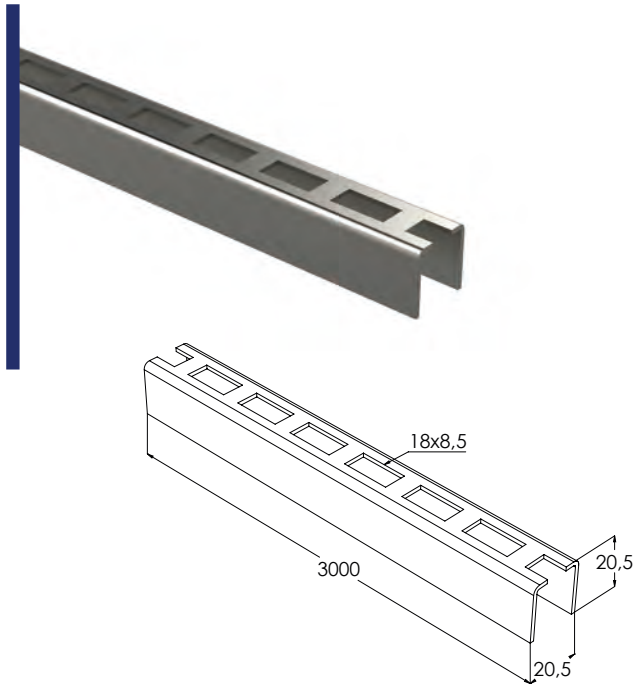
Mounting rail CK can be attached to the cable ladder with bracket KK.

Mounting rail CK makes it possible to attach cables to the wall or ceiling with arch clamp CCB.

Support rail PS



Support rails PS are used for installing KS20- and KS60-type cable ladders and cable trays to ceiling. By using brackets PSF rails PS are compatible with intermediate supports MK, RMK and CT-IS. Using support rails make cable support system more rigid and enable asymmetrical load distribution even when using wider cable ladders and -trays.



CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	L mm	PACKAGE
1431640	PS L=3000 M	1.76	3000	9 PCE / 27 MTR
M	White RAL 9010 polyester paint coating : C1-C2			

CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	L mm	PACKAGE
1431639	PS L=3000 PG	1.72	3000	9 PCE / 27 MTR
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			



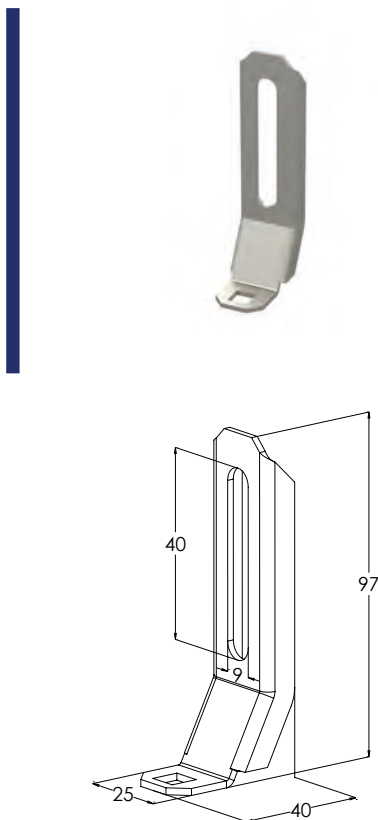
[See the installation video.](#)

Bracket PSF



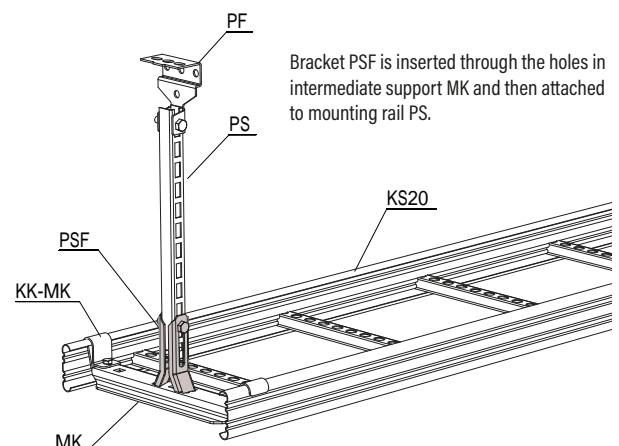
Bracket PSF are used to attach intermediate supports MK, RMK and CT-IS as well as joints RSS for mounting rails PS.

Product set includes bolt M8x30 and nut M8 for fixing brackets PSF to rails PS.



CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	PACKAGE
1431645	PSF M	0.077	20 PCE
M	White RAL 9010 polyester paint coating : C1-C2		
<i>Product includes screw set: 1449112 RS VK2 HDG (1 PCE)</i>			

CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	PACKAGE
1431644	PSF PG	0.076	20 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		
<i>Product includes screw set: 1449112 RS VK2 HDG (1 PCE)</i>			



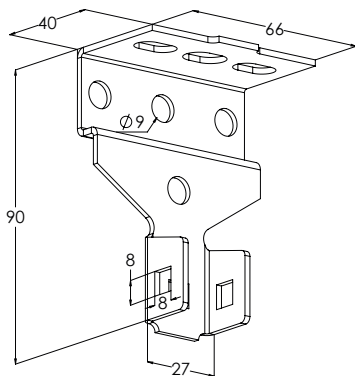
[See the installation video.](#)

Ceiling bracket PF

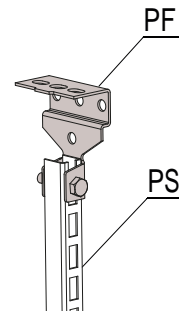


Ceiling brackets PF are used to attach mounting rails PS to ceiling and wall. Brackets PF can be used also for fixing rails PS to middle supports of cable ladders and -trays as well to lighting suspension rail dovetail groove.

Product set includes bolt M8x30 and nut M8 for fixing brackets PF to rails PS.



See the installation video.



Ceiling bracket PF is attached to mounting rail with the included screw set.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431630	PF M	0.13	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2		
Product includes screw set: 1449112 RS VK2 HDG (1 PCE)			

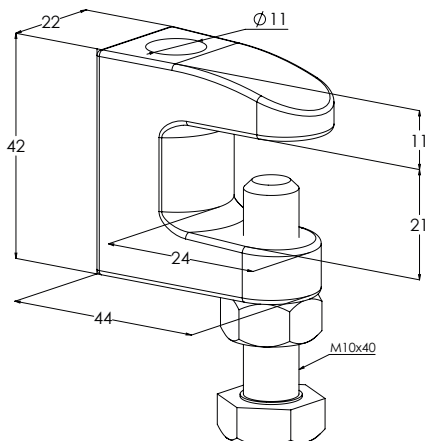
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431629	PF PG	0.13	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346: C1-C2		
Product includes screw set: 1449112 RS VK2 HDG (1 PCE)			

Beam bracket PK1



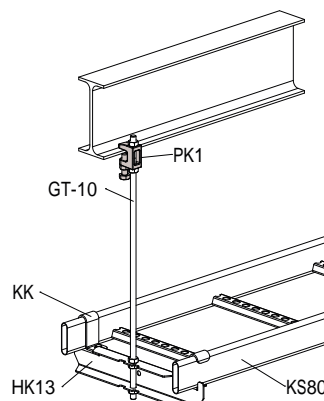
Beam brackets PK1 are used to attach threaded rods GT-10 to I-beams. Threaded rods are attached to PK1 brackets by using MU M10 nuts. The thickness of the I-beam at the attachment point is max. 20 mm.

Safe work load of PK1 brackets is 300 kg.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449631	x PK1 EG	0.14	300	10 PCE
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 :C1-C2			

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449200	PK1 HDG	0.15	300	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 :C1-C4			



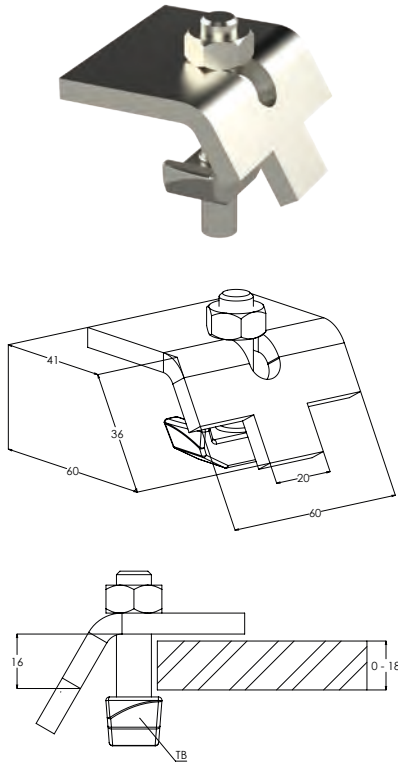
Beam bracket PK1 is attached to the lower flange of an I beam. The threaded rod GT-10 is attached to the beam bracket with nuts MU M10.

Beam bracket PK2

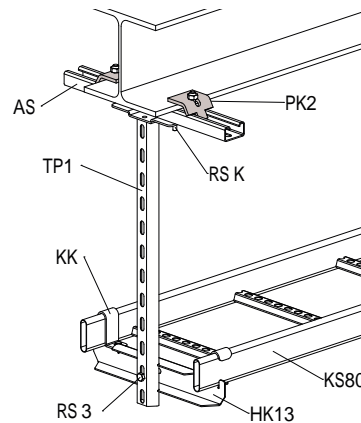


Beam brackets PK2 are used to fasten TP- and HK-type ceiling supports to I-beams via AS or ASR support rail. Two PK2 clamps and AS rail of suitable length are required to attach one support. Ceiling supports can be fixed to the AS rail with two M8x25 bolts and an M8 nut (bolt sets RS K). The thickness of the I-beam at the attachment point is max. 18 mm.

Safe work load of PK2 brackets is 300 kg.



CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1449632	x PK2 HDG	0.23	300	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			



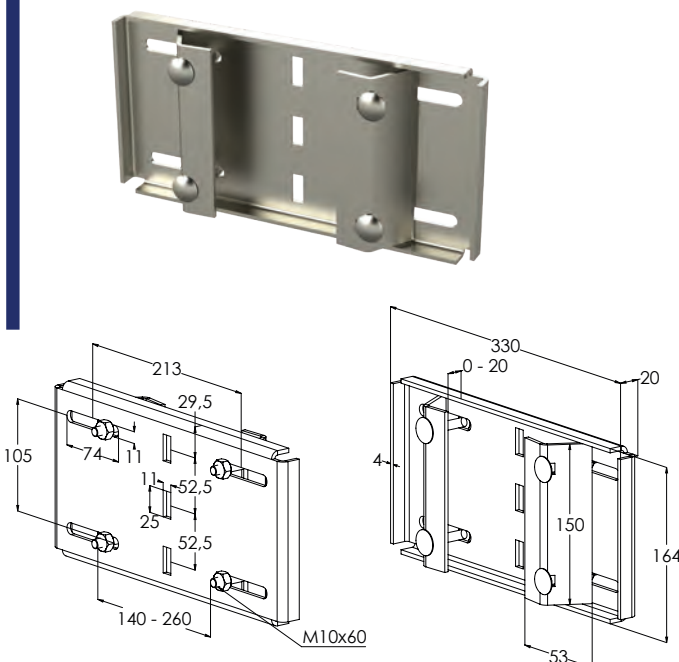
Beam bracket PK2 and mounting rail AS can be used to build a support for an I beam. Ceiling support TP1 is attached to mounting rail with screw set RS K. The lower flange of the beam may have a material strength of no more than 18mm.

Beam bracket PK3

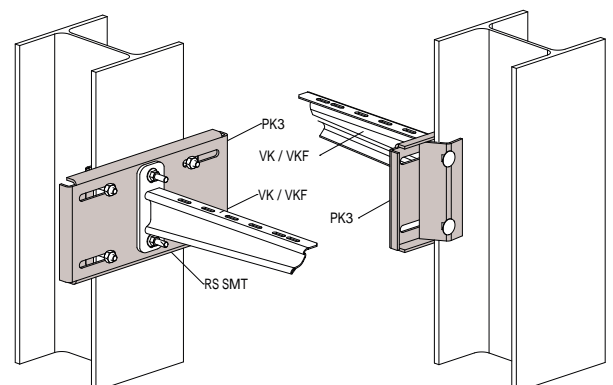


Beam brackets PK3 are used to fasten wall supports VK, VKF and VKZ to vertically installed I-beams. The width of the I-beam can be between 140-260 mm.

Product set of PK3 includes all necessary accessories for fastening brackets PK3 to the I-beam. Wall supports can be fixed to brackets PK3 by using M10x40 bolts and M10 nuts (bolt sets RS SMT).



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449221	PK3 HDG	0.29	1 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		



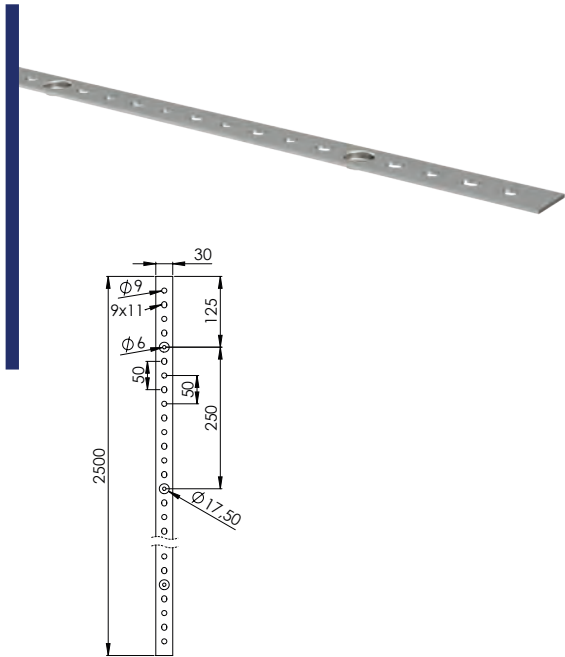
Beam bracket PK3 can be attached to a 140-260mm wide vertical beam.

Wall supports can be attached directly to the beam bracket with screw set RS SMT.

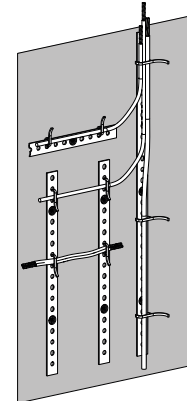
Mounting rail MR



Mounting bars MR-30 are used to fix cables to walls and ceilings as well as to other surfaces. The length of the bar is 2.5 meters and the distance between the fastening holes is 25 cm. To fasten cables bars have 9 mm holes after every 25 mm. Distance between installed MR-30 bar and surface is 3,8 mm, which makes easier to fix cables with cable ties into the bar. For example, to fix cables on a concrete wall is easier to use MR-30 bars instead of fixing large number of cables separately.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1342075	x MR-30 L=2500 XPG	1.4	1 PCE / 2,5 MTR
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4		



Mounting rail MR-30 and cable ties are used to attach cables to the wall.

Ceiling bracket RTF-10



Ceiling brackets RTF are used for mounting threaded rods GT to ceiling. Brackets RTF enable the height adjustment up to 50 mm and reduce the transfer of possible vibrations to wedge anchors attached to the ceiling. Installation is convenient - threaded rod with nuts is inserted into the ceiling bracket, then height is adjusted and nuts tightened.



Please note!
The HST product differs in appearance to the PG and HDG products.

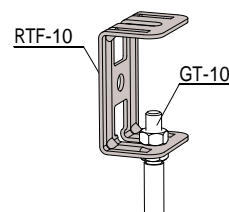
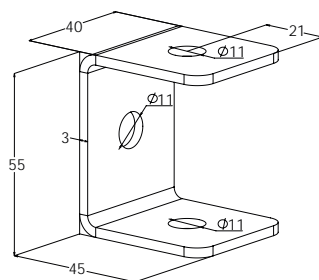
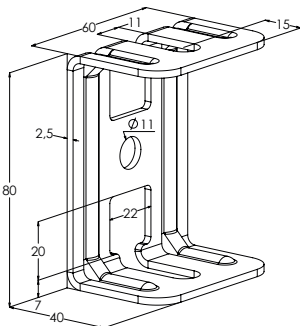
CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1449484	x RTF-10 PG	0.14	250	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			

CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1449652	x RTF-10 HDG	0.15	250	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			

CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1430305	HST RTF-10	0.12	250	10 PCE
HST	Acid-proof steel : C1-CX			

PG and HDG

HST



Ceiling bracket RTF-10 is attached to threaded rod GT-10 with nuts MU M10.

Ceiling bracket RTF-16



Ceiling brackets RTF are used for mounting threaded rods GT to ceiling. Brackets RTF enable the height adjustment up to 50 mm and reduce the transfer of possible vibrations to wedge anchors attached to the ceiling. Installation is convenient - threaded rod with nuts is inserted into the ceiling bracket, then height is adjusted and nuts tightened.



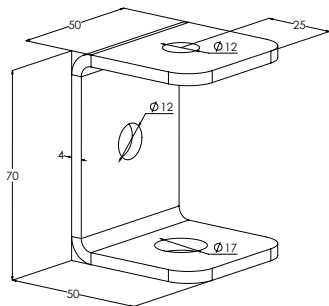
CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449653	RTF-16 HDG	0.23	400	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

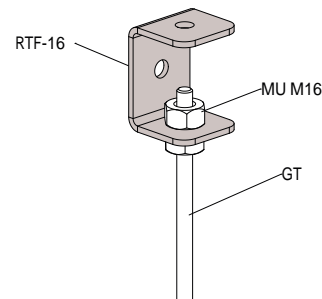
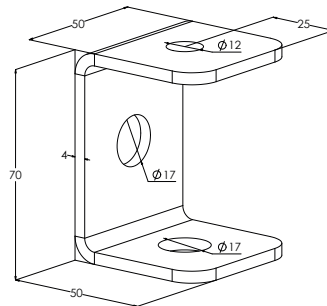
CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1430306	HST RTF-16	0.23	400	10 PCE

HST Acid-proof steel : C1-CX

HDG



HST



Ceiling bracket RTF-16 is attached to threaded rod GT-10 or GT-16 with nuts MU M10 or MU M16.

Ceiling bracket RTF-Z

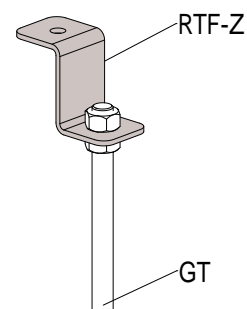
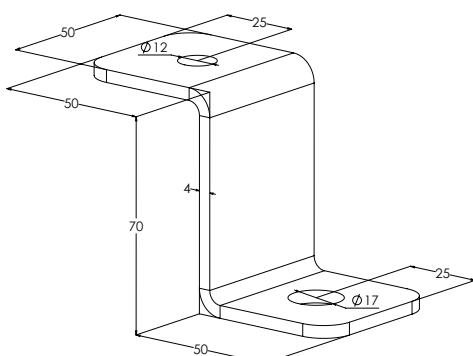


Ceiling brackets RTF-Z are used for mounting threaded rods GT to ceiling. Brackets allow height adjustment up to 50 mm and horizontal adjustment up to 100 mm and reduce the transfer of possible vibrations to wedge anchors attached to the ceiling. Ceiling brackets RTF-Z have $\phi 12$ mm and $\phi 17$ mm holes for threaded rods.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449656	x RTF-Z HDG	0.23	300	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

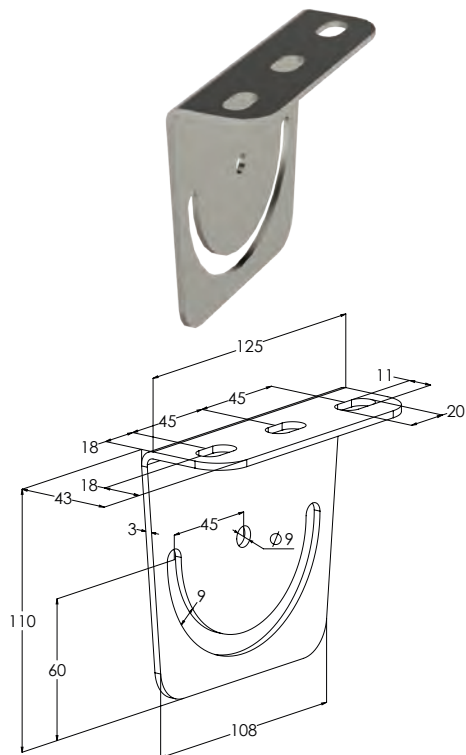


Ceiling bracket RTF-Z is attached to threaded rod GT-10 or GT-16 with nuts MU M10 or MU M16.

Ceiling bracket RTF-S

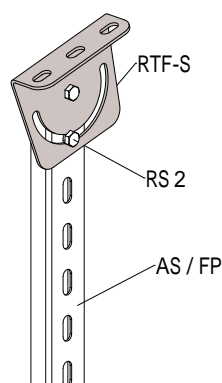


Ceiling brackets RTF-S are used for mounting AS and FP mounting rails to flat and sloping ceilings. The adjustment range is -90° ... $+90^{\circ}$ and mounting rails can be fixed to the ceiling brackets with two sets of bolts RS 2 (bolt M8x40 and nut M8).



CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1449478	RTF-S PG	0.3	250	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			

CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1449654	x RTF-S HDG	0.37	250	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			

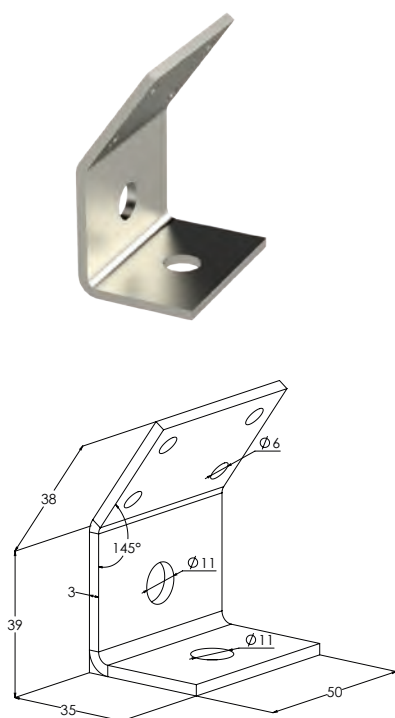


Ceiling bracket RTF-S is used to attach mounting rails AS or FP to a slanted ceiling. The bracket's angle is adjustable to the angle of the ceiling. The ceiling bracket is attached to the mounting rail with screw set RS 2.

Ceiling bracket TFP

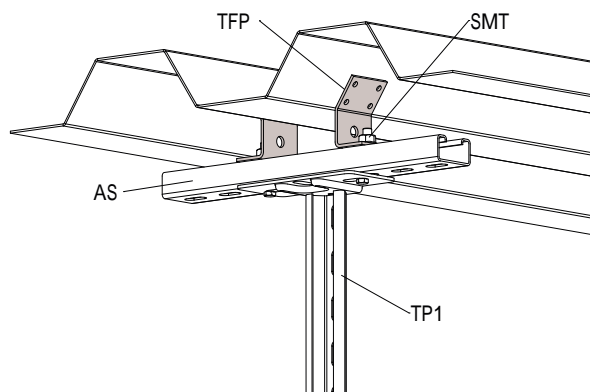


Ceiling brackets TFP are used for mounting threaded rods GT and mounting rails AS and FP to ceiling profiles and corrugated sheets. Brackets TFP have $\varnothing 11$ mm holes for fixing rails and threaded rods, while four $\varnothing 6$ mm holes for fixing brackets to ceiling.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449664	x TFP PG	0.11	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

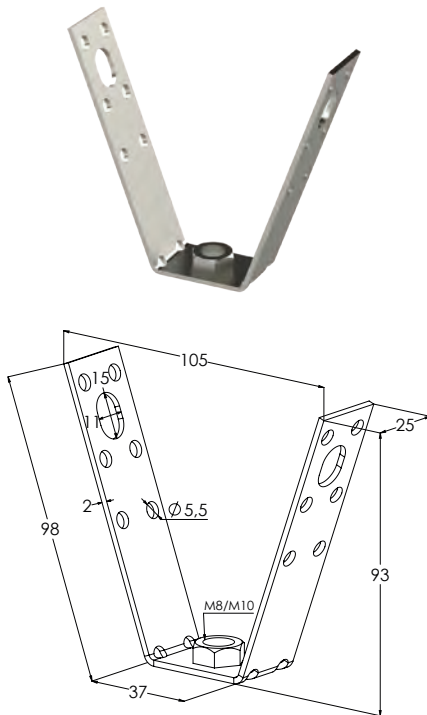
Ceiling bracket TFP is attached to mounting rail AS with sliding nut SMT.



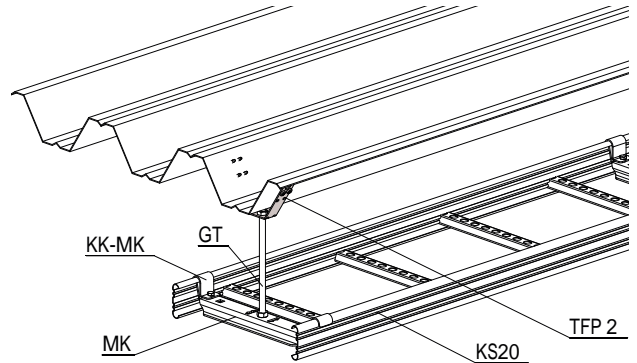
Ceiling bracket TFP2



Ceiling brackets TFP2 are used for mounting GT-8 and GT-10 threaded rods to ceiling profiles and corrugated sheets. Brackets have nuts already at place, that makes fixing threaded rods fast and convenient. Brackets TFP2 have 12 \varnothing 5,5 mm and two 15x11 mm holes for fixing brackets to ceiling.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449209	TFP2 M8 PG	0.11	195	10 PCE
1449210	x TFP2 M10 PG	0.11	195	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			

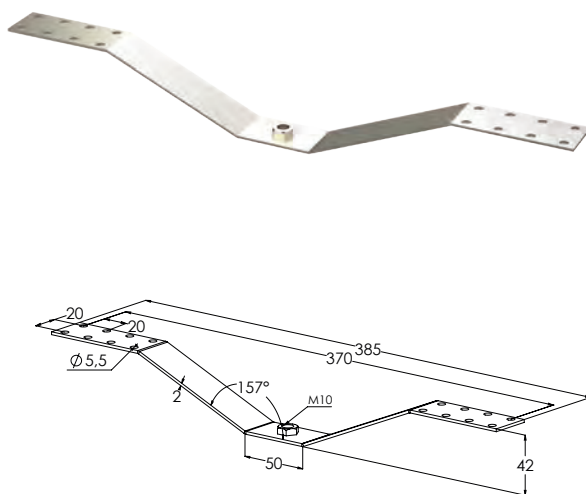


Ceiling bracket TFP2 is attached to intermediate support MK with a threaded rod GT-8 or GT-10.

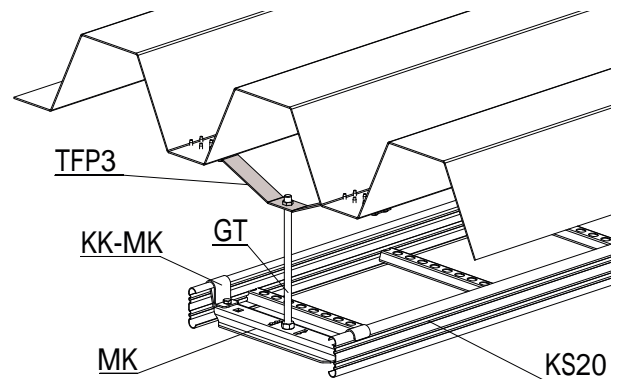
Ceiling bracket TFP3



Ceiling brackets TFP3 are used for mounting GT-10 threaded rods to ceiling profiles and corrugated sheets. Brackets have nuts already at place, that makes fixing threaded rods fast and convenient. Brackets TFP3 have 16 \varnothing 5,5 mm holes for fixing brackets to ceiling.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449240	TFP3 M10 PG	0.19	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		



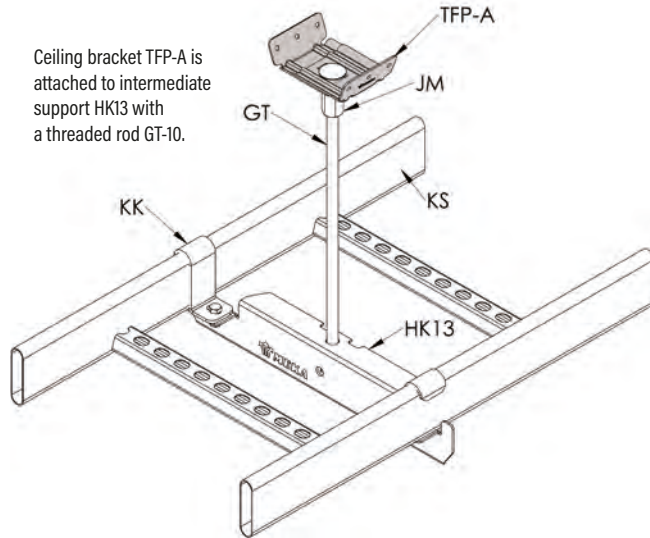
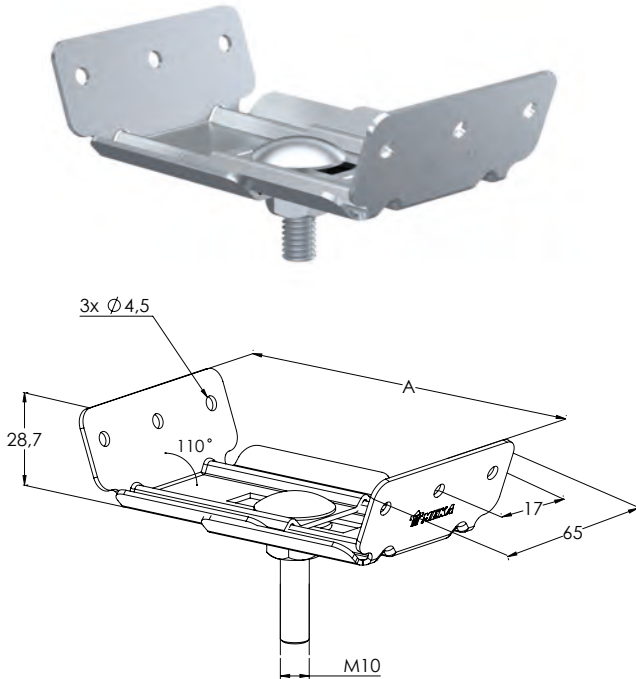
Ceiling bracket TFP3 is attached to intermediate support MK with a threaded rod GT-8 or GT-10.

Ceiling bracket TFP-A



Adjustable ceiling brackets TFP-A are used for mounting GT-10 threaded rods as well as AS and FP mounting rails to ceiling profiles and corrugated sheets. Brackets TFP-A can be connected to threaded rods by using extension nuts JM M10. TFP-A brackets have six $\varnothing 4,5$ mm holes for fixing brackets to ceiling.

CODE	PRODUCT	WGT. kg / pc	A mm	PACKAGE
1433488	TFP-A1 XPG	1.55	60-70	10 PCE
1433489	x TFP-A2 XPG	1.9	80-110	10 PCE
1433490	TFP-A3 XPG	2	110-165	10 PCE
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4			

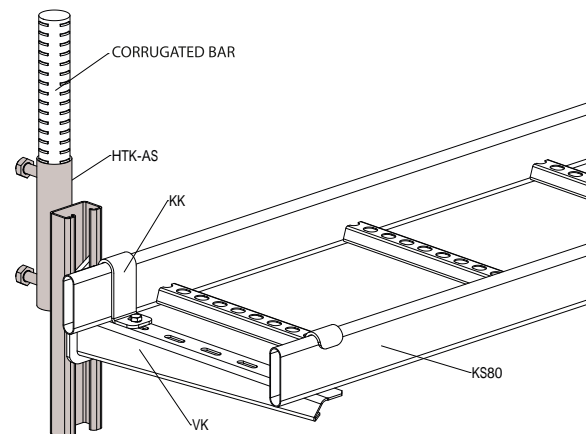
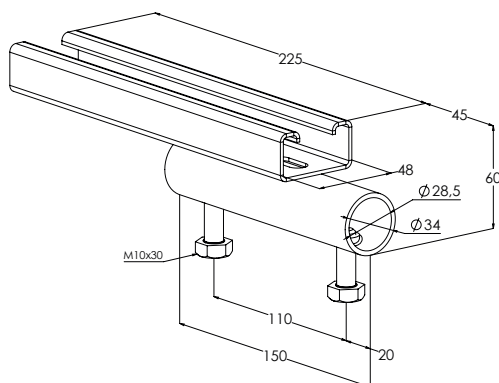


Corrugated bar bracket HTK-AS



Corrugated bar brackets HTK-AS are used to fasten VK-type wall supports as well as mounting rails AS to corrugated bars.

CODE	PRODUCT	WGT. kg / pc	PACKAGE
1449706	HTK-AS HDG	0.86	1 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

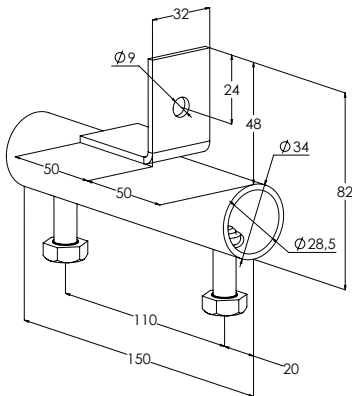


Corrugated bar bracket HTK-AS is attached to corrugated bars hanging from the ceiling (\varnothing max 22 mm). Wall brackets are attached to the ceiling support with sliding nuts SMT or TB.

Corrugated bar bracket HTK-SK

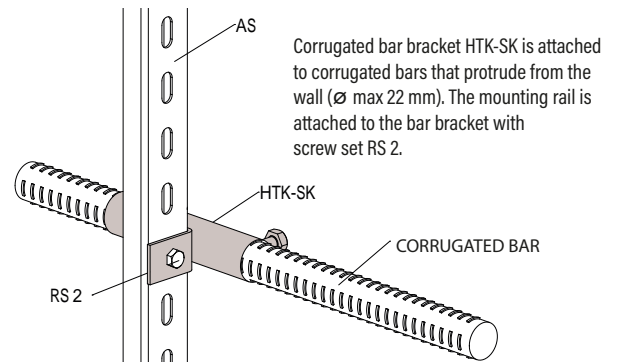


Corrugated bar brackets HTK-SK are used to fasten mounting rails AS to corrugated bars.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449708	HTK-SK HDG	0.49	1 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

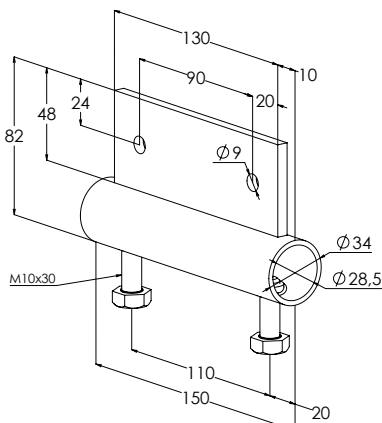
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430442	HST HTK-SK	0.45	1 PCE
HST	Acid-proof steel : C1-CX		



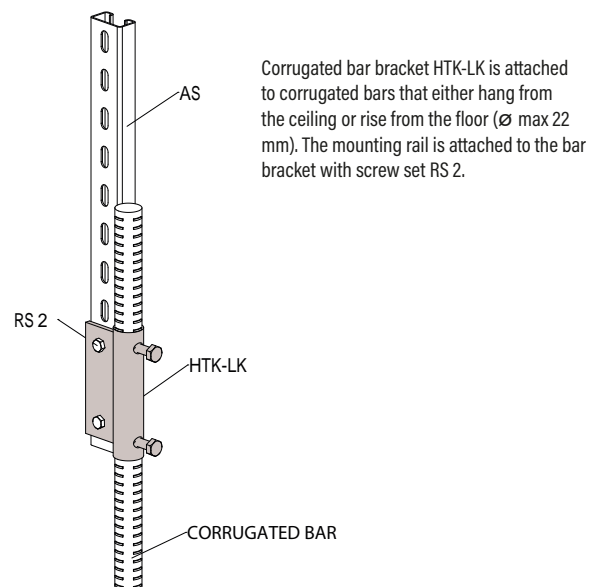
Corrugated bar bracket HTK-LK



Corrugated bar brackets HTK-LK are used to fasten mounting rails AS to corrugated bars.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449707	HTK-LK HDG	0.74	1 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

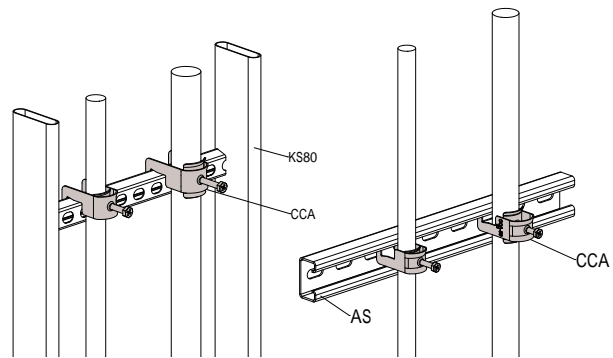
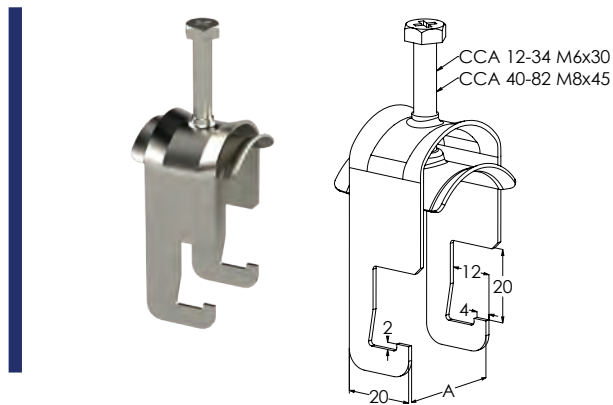


Cable clamp CCA



Cable clamps CCA are used to fix cables to KS-type cable ladders rungs and to mounting rails AS, ASR, ASR-L and ASR-P. Tightening torque of clamps depends on size of clamps and is between 1 and 3 Nm.

Sales unit of CCA clamps is package that includes 10 pieces of clamps.



Cable clamp CCA is used to attach cables to the intermediate cleats on cable ladders and to mounting rails.

Please note! Check the maximum allowed torque for cable clamp CCA from the product data sheet.



[See the installation video.](#)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	CABLE max. Ø mm	MOMENT max. Nm	PACKAGE
1342000	x CCA-12 PG	0.023	13	5-12 mm	1	10 PCE / 1 BG
1342001	x CCA-14 PG	0.025	15	10-14 mm	1	10 PCE / 1 BG
1342002	x CCA-18 PG	0.028	19	14-18 mm	1	10 PCE / 1 BG
1342003	x CCA-22 PG	0.033	23	17-22 mm	1.5	10 PCE / 1 BG
1342004	x CCA-26 PG	0.036	27	21-26 mm	1.5	10 PCE / 1 BG
1342005	x CCA-30 PG	0.043	31	25-30 mm	1.5	10 PCE / 1 BG
1342006	x CCA-34 PG	0.046	35	29-34 mm	1.5	10 PCE / 1 BG
1342007	x CCA-40 PG	0.083	41	35-40 mm	2	10 PCE / 1 BG
1342008	x CCA-46 PG	0.092	47	41-46 mm	2	10 PCE / 1 BG
1342009	x CCA-52 PG	0.1	53	47-52 mm	2	10 PCE / 1 BG
1342010	x CCA-60 PG	0.112	62	53-60 mm	3	10 PCE / 1 BG
1342011	x CCA-82 PG	0.143	84	61-82 mm	3	10 PCE / 1 BG

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	CABLE max. Ø mm	MOMENT max. Nm	PACKAGE
1342076	HST CCA-12	0.023	13	5-12 mm	1	10 PCE / 1 BG
1342077	HST CCA-14	0.025	15	10-14 mm	1	10 PCE / 1 BG
1342078	HST CCA-18	0.028	19	14-18 mm	1	10 PCE / 1 BG
1342079	x HST CCA-22	0.033	23	17-22 mm	1.5	10 PCE / 1 BG
1342080	HST CCA-26	0.036	27	21-26 mm	1.5	10 PCE / 1 BG
1342081	x HST CCA-30	0.043	31	25-30 mm	1.5	10 PCE / 1 BG
1342082	HST CCA-34	0.046	35	29-34 mm	1.5	10 PCE / 1 BG
1342083	x HST CCA-40	0.083	41	35-40 mm	2	10 PCE / 1 BG
1342084	HST CCA-46	0.092	47	41-46 mm	2	10 PCE / 1 BG
1342085	x HST CCA-52	0.1	53	47-52 mm	2	10 PCE / 1 BG
1342086	HST CCA-60	0.112	62	53-60 mm	3	10 PCE / 1 BG
1342087	x HST CCA-82	0.143	84	61-82 mm	3	10 PCE / 1 BG

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Up-to-date and comprehensive product information, test results and example installations are available on our website.

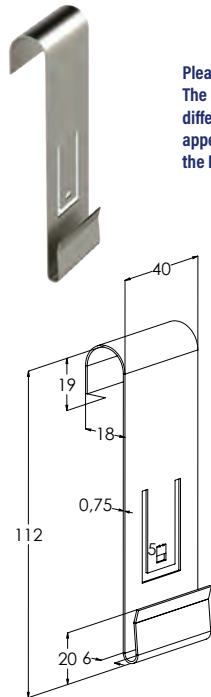
www.meka.eu



Bracket for cables FDC

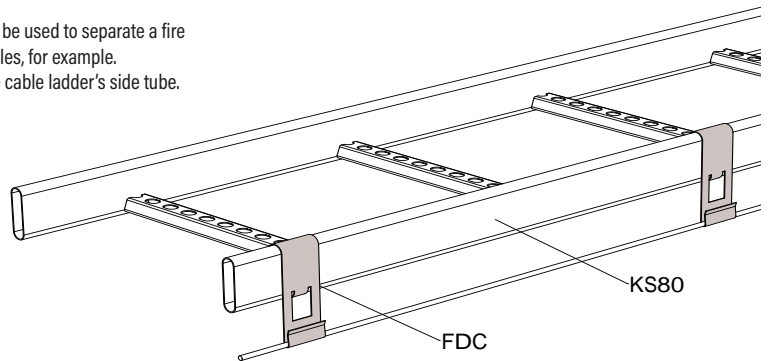


Cable brackets FDC are used to attach fire alarm and signalling cables to KS20, KS60 and KS80-type cable ladders side profiles. Brackets FDC can be mounted to the side profile of cable ladders and fixed by turning slats behind the ladders' profile. The cable will be placed approx. 50 mm below the side profile of the ladder.



Please note!
The HST product differs in appearance to the PG product.

Bracket for cables FDC can be used to separate a fire alarm cable from other cables, for example. The bracket attaches to the cable ladder's side tube.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449229	FDC PG	0.039	10 PCE

PG
Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430441	HST FDC	0.037	10 PCE

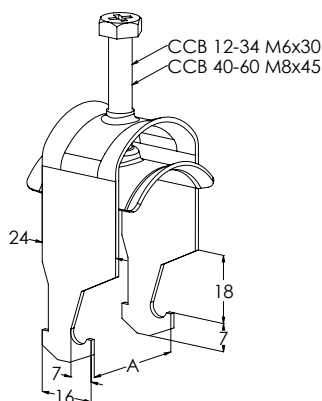
HST
Acid-proof steel : C1-CX

Cable clamp CCB



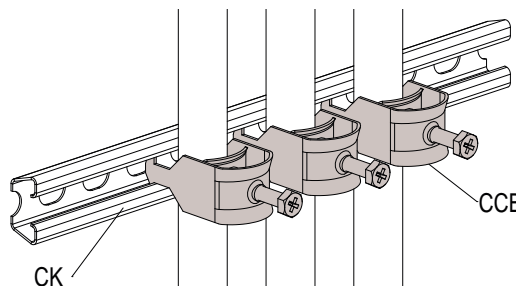
Cable clamps CCB are used to fix cables to cable ladders rungs from underneath, to wire mesh trays WMT and to rails CK. Tightening torque of clamps depends on size of clamps and is between 1 and 3 Nm.

Sales unit of CCB clamps is package that includes 10 pieces of clamps.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	CABLE max. Ø mm	MOMENT max. Nm	PACKAGE
1342020	x CCB-12 PG	0.023	13	5-12 mm	1	10 PCE / 1 BG
1342021	x CCB-14 PG	0.026	15	10-14 mm	1	10 PCE / 1 BG
1342022	x CCB-18 PG	0.029	19	14-18 mm	1	10 PCE / 1 BG
1342023	x CCB-22 PG	0.032	23	17-22 mm	1.5	10 PCE / 1 BG
1342024	x CCB-26 PG	0.036	27	21-26 mm	1.5	10 PCE / 1 BG
1342025	x CCB-30 PG	0.043	31	25-30 mm	1.5	10 PCE / 1 BG
1342026	x CCB-34 PG	0.046	35	29-34 mm	1.5	10 PCE / 1 BG
1342027	x CCB-40 PG	0.083	41	35-40 mm	2	10 PCE / 1 BG
1342028	x CCB-46 PG	0.092	47	41-46 mm	2	10 PCE / 1 BG
1342029	x CCB-52 PG	0.101	53	47-52 mm	2	10 PCE / 1 BG
1342030	x CCB-60 PG	0.111	62	53-60 mm	3	10 PCE / 1 BG

PG
Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2



Cable clamp CCA is used to attach cables to the mounting rails CK.

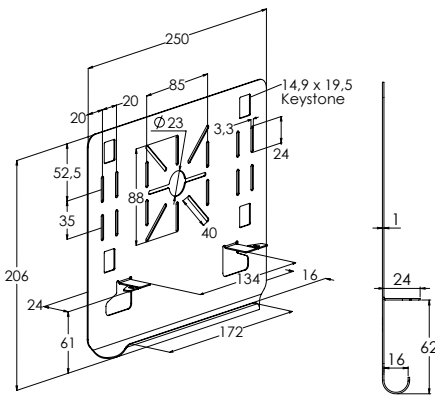
Please note!
Check the maximum allowed torque for cable clamp CCB from the product data sheet.

Mounting plate DPA



Mounting plates DPA are used to attach junction boxes and other devices to KS-type (except KS100) cable ladders. Devices mounted on the plates are clearly visible and easy to access later. Plates DPA have unique perforation that is suitable for fixing different equipment including Keystone RJ45 jacks.

Plates DPA can be mounted to the side profile of cable ladders and fixed by turning slats behind the ladders' profile. Useful place for mounting is 25x14 cm.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449685	x DPA PG	0.41	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1433444	x DPA XPG	0.41	10 PCE

XPG Steel : C1-C4

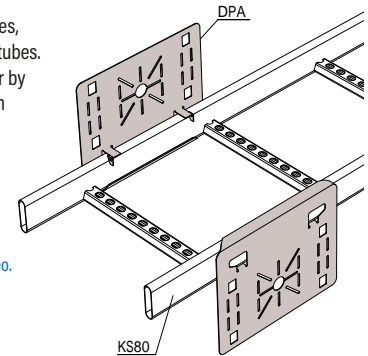
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430314	HST DPA	0.33	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Mounting plate DPA is used to attach junction boxes, switch boxes and the like to a cable ladder's side tubes. The mounting plate is attached to the cable ladder by bending the attaching hooks. Secure the joint with screws, if necessary.



See the installation video.

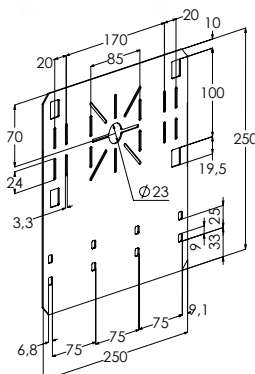


Mounting plate KS100 DPA



Mounting plates DPA are used for mounting junction boxes and other devices to KS100-type cable ladders. Devices mounted on the plates are clearly visible and easy to access later. Plates DPA have unique perforation that is suitable for fixing different equipment including Keystone RJ45 jacks.

Product set includes bolts and nuts for fixing the mounting plate to cable ladder's side profile. Useful place for mounting is 25x14 cm.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1478135	x KS100 DPA PG	0.68	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1470352 RS 5 EG (2 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1478172	KS100 DPA XPG	0.68	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

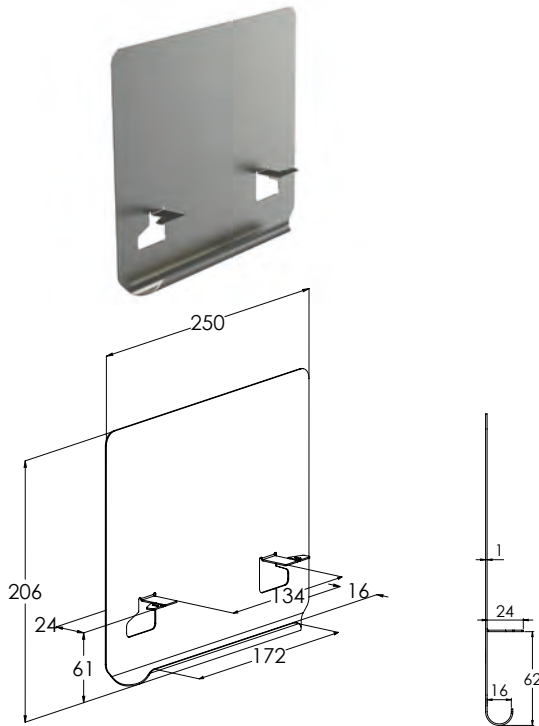
Product includes screw set:

Mounting plate DPA-O



Mounting plates DPA-O are used to attach junction boxes and other devices to KS-type (except KS100) cable ladders. Devices mounted on the plates are clearly visible and easy to access later. Fixing different equipment to DPA-O plates can be done by using drilling screws, for instance.

Plates DPA-O can be mounted to the side profile of cable ladders and fixed by turning slats behind the ladders' profile. Useful place for mounting is 25x14 cm.



CODE	PRODUCT	WGT.	PACKAGE
1449686	x DPA-O PG	0.41 kg / pc	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

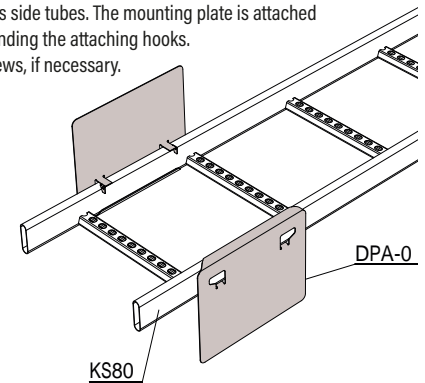
CODE	PRODUCT	WGT.	PACKAGE
1433445	x DPA-O XPG	0.41 kg / pc	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Mounting plate DPA-O is used to attach junction boxes, switch boxes and the like to a cable ladder's side tubes. The mounting plate is attached to the cable ladder by bending the attaching hooks. Secure the joint with screws, if necessary.



See the installation video.

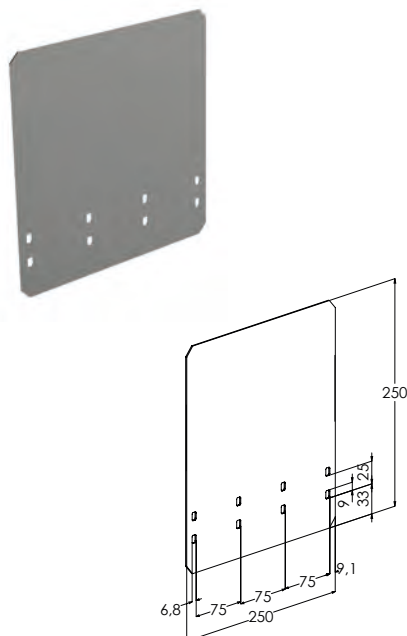


Mounting plate KS100 DPA-O



Mounting plates DPA-O are used for mounting junction boxes and other devices to KS100-type cable ladders. Devices mounted on the plates are clearly visible and easy to access later. Fixing different equipment to DPA-O plates can be done by using drilling screws, for instance.

Product set includes bolts and nuts for fixing the mounting plate to cable ladder's side profile. Useful place for mounting is 25x14 cm.



CODE	PRODUCT	WGT.	PACKAGE
1478136	x KS100 DPA-O PG	0.72 kg / pc	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1478173	KS100 DPA-O XPG	0.72 kg / pc	10 PCE

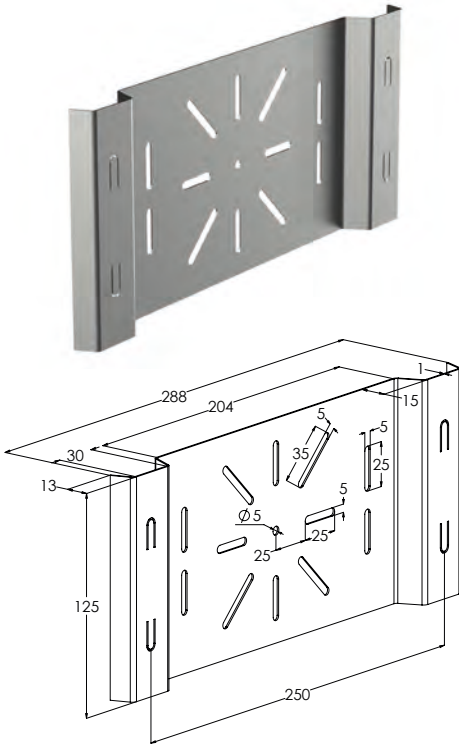
XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Mounting plate DPB



Mounting plates DPB are used to attach junction boxes and other devices to KS-type cable ladders. Plates DPB have unique perforation that is suitable for fixing different equipment. Useful place for mounting is 20x12,5 cm.

Plates DPB can be mounted between cable ladders rungs and fixed by turning slats into rungs' holes.



CODE	PRODUCT	WGT.	PACKAGE
1449687	x DPB PG	0.29 kg / pc	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1433446	x DPB XPG	0.29 kg / pc	10 PCE

XPG Steel : C1-C4

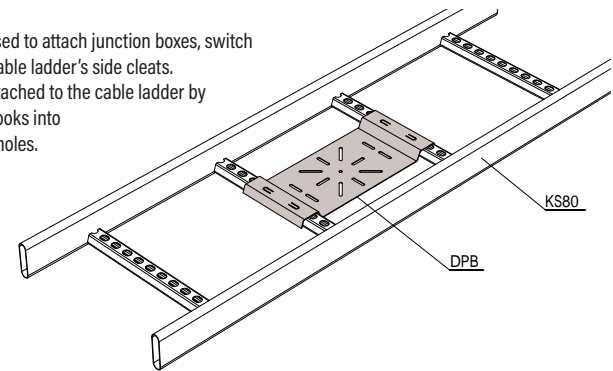
CODE	PRODUCT	WGT.	PACKAGE
1430315	x HST DPB	0.3 kg / pc	10 PCE

HST Acid-proof steel : C1-CX

Mounting plate DPB is used to attach junction boxes, switch boxes and the like to a cable ladder's side cleats. The mounting plate is attached to the cable ladder by bending the attaching hooks into the intermediate cleat's holes.



See the installation video.

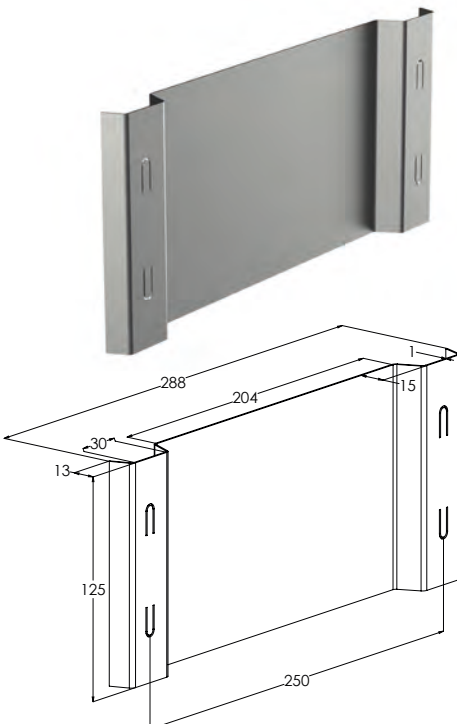


Mounting plate DPB-O



Mounting plates DPB-O are used to attach junction boxes and other devices to KS-type cable ladders. Fixing different equipment to DPB-O plates can be done by using drilling screws, for instance. Useful place for mounting is 20x12,5 cm.

Plates DPB-O can be mounted between cable ladders rungs and fixed by turning slats into rungs' holes.



CODE	PRODUCT	WGT.	PACKAGE
1449689	x DPB-O PG	0.3 kg / pc	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

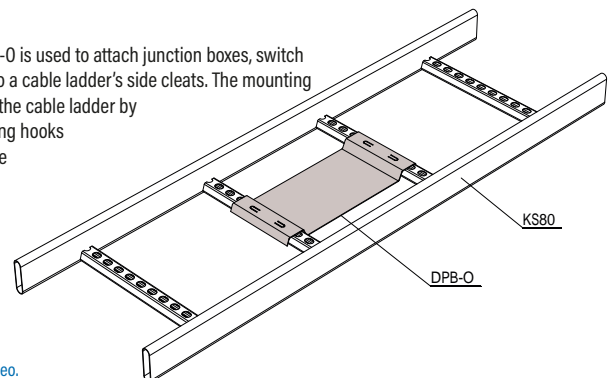
CODE	PRODUCT	WGT.	PACKAGE
1433447	x DPB-O XPG	0.3 kg / pc	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Mounting plate DPB-O is used to attach junction boxes, switch boxes and the like to a cable ladder's side cleats. The mounting plate is attached to the cable ladder by bending the attaching hooks into the intermediate cleat's holes.



See the installation video.

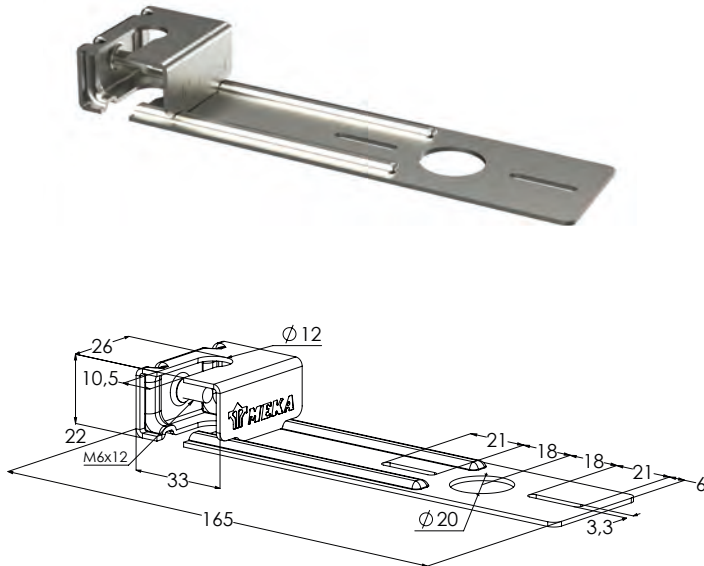


Mounting plate DP-GT PG

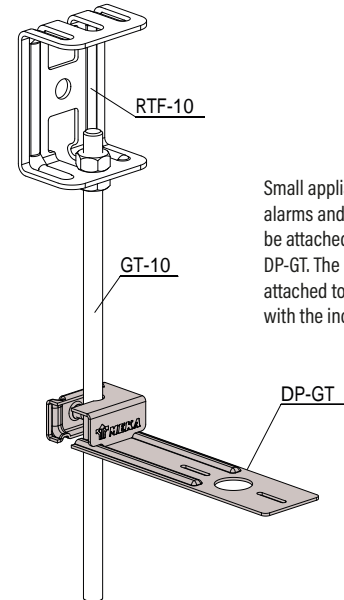


Mounting plates DP-GT are used for mounting light weight fittings, like fire detectors for instance, to GT-10 threaded rods.

Plates DP-GT include bolt for fixing plates to threaded rods.



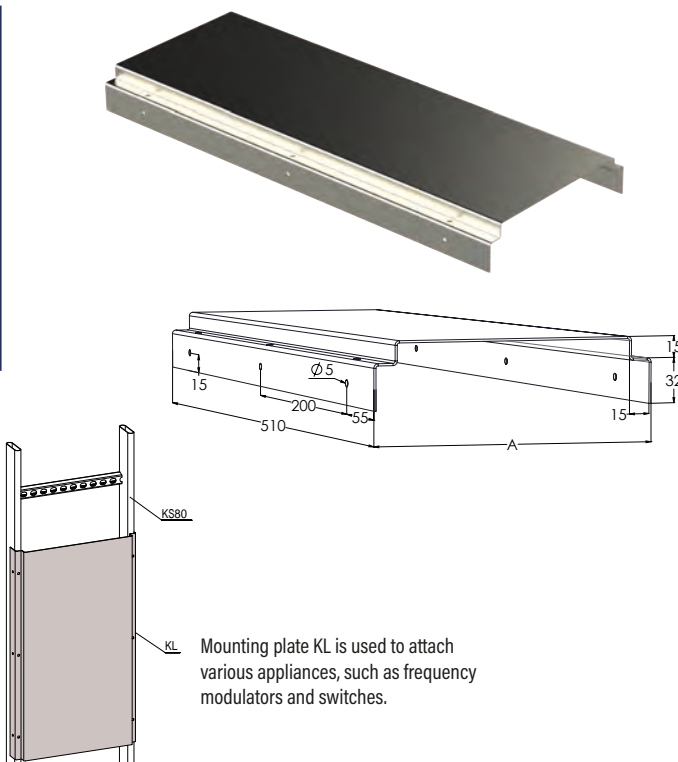
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449228	x DP-GT PG	0.091	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		



Small appliances, such as fire alarms and smoke detectors, can be attached to mounting plate DP-GT. The mounting plate is attached to threaded rod GT-10 with the included screw.

Mounting plate KL PG XPG

Mounting plates KL are used for mounting junction boxes and other devices to KS-type cable ladders as well as to protect cables from damage. The length of KL plates is 51 cm and they can be fixed to cable ladders with screws. KL mounting plates have 12 holes with 5 mm diameter for fastening.



Mounting plate KL is used to attach various appliances, such as frequency modulators and switches.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1449201	KL-150 L=510 PG	1.38	153	10 PCE
1449202	x KL-200 L=510 PG	1.67	203	10 PCE
1449203	x KL-300 L=510 PG	2.27	303	10 PCE
1449204	KL-400 L=510 PG	2.85	403	10 PCE
1449205	x KL-500 L=510 PG	3.44	503	10 PCE
1449206	KL-600 L=510 PG	4.04	603	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: RS 6 EG (6 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1433436	KL-150 L=510 XPG	1.38	153	10 PCE
1433437	KL-200 L=510 XPG	1.67	203	10 PCE
1433438	KL-300 L=510 XPG	2.27	303	10 PCE
1433439	KL-400 L=510 XPG	2.85	403	10 PCE
1433440	KL-500 L=510 XPG	3.44	503	10 PCE
1433441	KL-600 L=510 XPG	4.04	603	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Cover bracket KAP



Cover brackets KAP are used to attach covers KRL-KS, SK and PSK to cable ladders. Using KAP brackets also adds cable space and improves better air flow.

Product set includes bolt for fixing bracket to side profile of cable ladder.



Please note!
The HST product differs in appearance to the PG and HDG products.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449700	x KAP PG	0.11	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449125 RS KAP HDG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449900	x KAP HDG	0.13	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

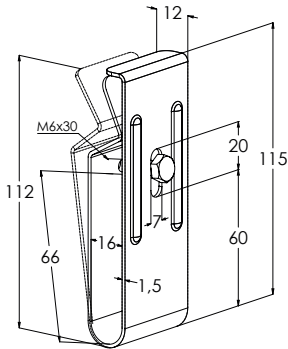
Product includes screw set: 1449125 RS KAP HDG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430327	HST KAP	0.16	10 PCE

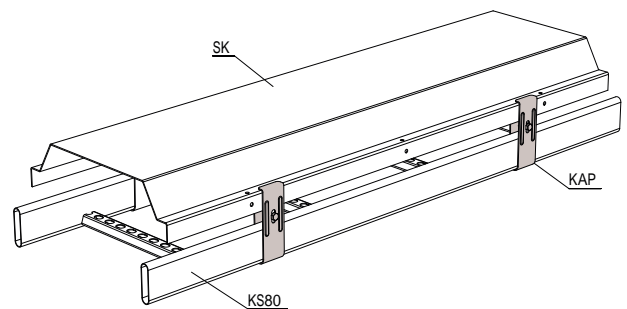
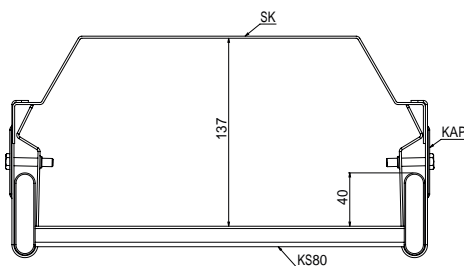
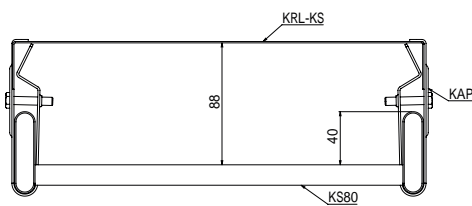
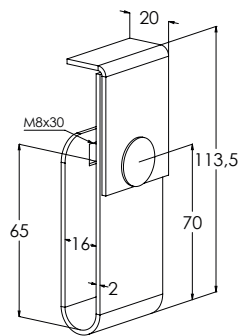
HST Acid-proof steel : C1-CX

Product includes screw set: 1430432 HST RS VK2 (1 PCE)

PG and HDG



HST



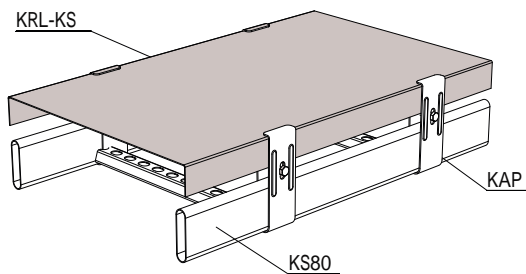
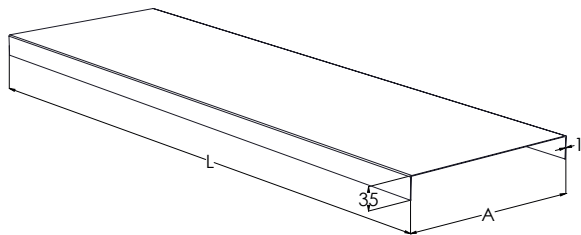
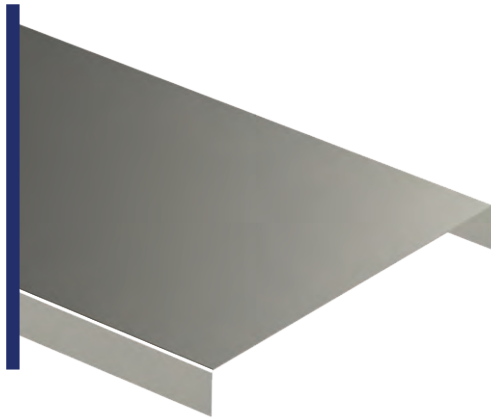
Cover bracket KAP provides an additional 50 mm of cable space under the cover. Can be used with all cable ladders and covers SK, PSK and KRL. Recommended installation gap 1-1.5 m, depending on the width of the cover. Cover bracket KAP is attached to the cable ladder's side tube.

Cover KRL-KS



Covers KRL-KS are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for straight sections of cable ladders. If necessary, covers can be fixed with cover brackets KAP or screws. When using KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

The height of the KRL-KS covers is 35 mm.



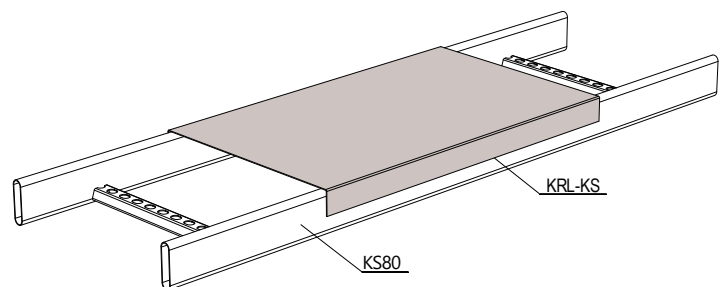
It is possible to increase the cable space under the cover by 50mm with cover bracket KAP. Recommended installation gap 1-1.5m, depending on the width of the cover.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1432898	KRL-KS-150 L=3000 PG	5.06	152	3000	10 PCE / 30 MTR
1432847	x KRL-KS-200 L=3000 PG	6.22	202	3000	10 PCE / 30 MTR
1432848	x KRL-KS-300 L=3000 PG	8.53	302	3000	10 PCE / 30 MTR
1432849	KRL-KS-400 L=3000 PG	10.85	402	3000	10 PCE / 30 MTR
1432850	x KRL-KS-500 L=3000 PG	13.04	502	3000	10 PCE / 30 MTR
1432851	KRL-KS-600 L=3000 PG	15.33	602	3000	10 PCE / 30 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1433311	KRL-KS-150 L=3000 XPG	5.06	152	3000	10 PCE / 30 MTR
1433312	x KRL-KS-200 L=3000 XPG	6.22	202	3000	10 PCE / 30 MTR
1433313	x KRL-KS-300 L=3000 XPG	8.53	302	3000	10 PCE / 30 MTR
1433314	KRL-KS-400 L=3000 XPG	10.85	402	3000	10 PCE / 30 MTR
1433315	x KRL-KS-500 L=3000 XPG	13.04	502	3000	10 PCE / 30 MTR
1433316	KRL-KS-600 L=3000 XPG	15.33	602	3000	10 PCE / 30 MTR

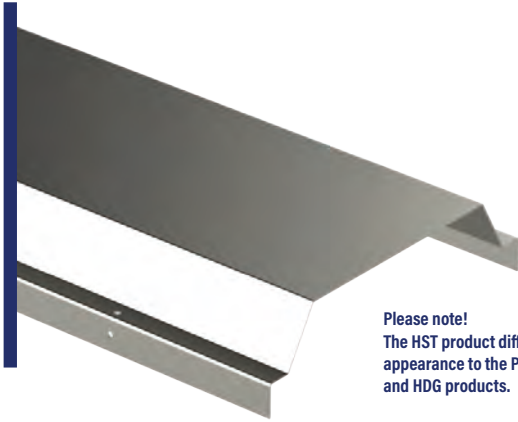
XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4



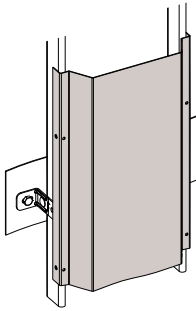
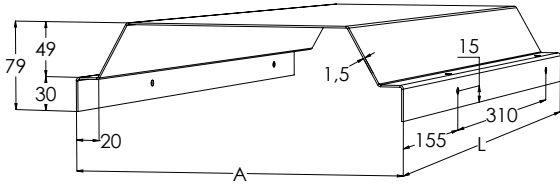
Cover KRL-KS is used to prevent dirt and dust from accumulating on the cables. The cover is attached to the cable ladder with screws.

Strong covers SK are mainly used to protect vertically mounted cable ladders and cables from impacts and other mechanical damages. Covers SK can be fixed with screws or cover brackets KAP. When using brackets KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

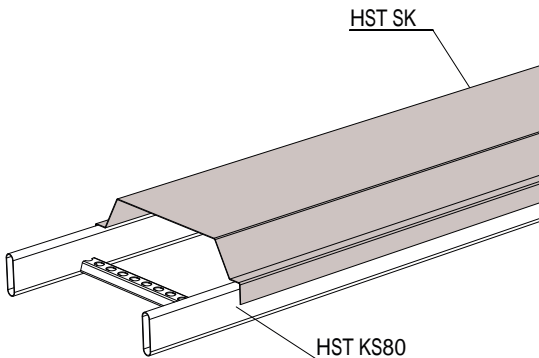
Covers SK are also suitable for protecting cables on horizontally installed cable ladders.



Please note!
The HST product differs in appearance to the PG and HDG products.



Cover SK can be installed vertically.



Cover SK is used to prevent dirt and dust from accumulating on the cables. The cover is attached to the cable ladder with screws.

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	L mm	PACKAGE
1449711	x SK-150 L=1550 PG	4.75	152	1550	1 PCE / 1,55 MTR
1449712	x SK-200 L=1550 PG	5.54	202	1550	1 PCE / 1,55 MTR
1449713	x SK-300 L=1550 PG	7.32	302	1550	1 PCE / 1,55 MTR
1449714	x SK-400 L=1550 PG	9.1	402	1550	1 PCE / 1,55 MTR
1449715	x SK-500 L=1550 PG	10.87	502	1550	1 PCE / 1,55 MTR
1449716	SK-600 L=1550 PG	12.65	602	1550	1 PCE / 1,55 MTR

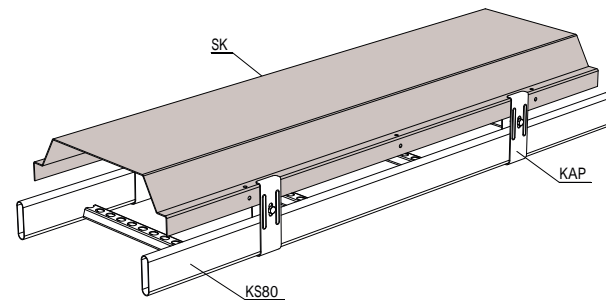
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	L mm	PACKAGE
1433421	SK-150 L=1550 XPG	4.75	152	1550	1 PCE / 1,55 MTR
1433422	SK-200 L=1550 XPG	5.54	202	1550	1 PCE / 1,55 MTR
1433423	SK-300 L=1550 XPG	7.32	302	1550	1 PCE / 1,55 MTR
1433424	SK-400 L=1550 XPG	9.1	402	1550	1 PCE / 1,55 MTR
1433425	SK-500 L=1550 XPG	10.87	502	1550	1 PCE / 1,55 MTR
1433426	SK-600 L=1550 XPG	12.65	602	1550	1 PCE / 1,55 MTR

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	L mm	PACKAGE
1430361	HST SK-150 L=1500	4.58	152	1500	1 PCE / 1,5 MTR
1430362	HST SK-200 L=1500	5.45	202	1500	1 PCE / 1,5 MTR
1430363	HST SK-300 L=1500	7.2	302	1500	1 PCE / 1,5 MTR
1430364	HST SK-400 L=1500	8.95	402	1500	1 PCE / 1,5 MTR
1430365	HST SK-500 L=1500	10.7	502	1500	1 PCE / 1,5 MTR
1430366	HST SK-600 L=1500	12.45	602	1500	1 PCE / 1,5 MTR

HST Acid-proof steel : C1-CX

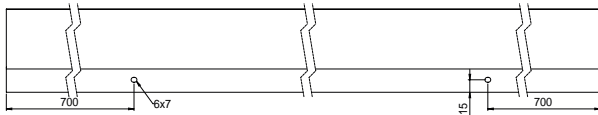
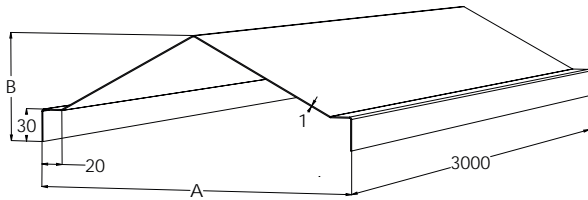
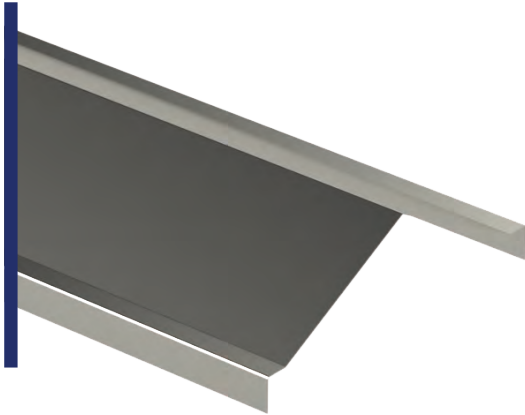


It is possible to increase the cable space under the cover by 50mm through the use of cover bracket KAP. Recommended installation gap 1-1.5m, depending on the width of the cover.

Cover PSK



Gable-top covers PSK are used to protect the cables from damage, dirt and UV radiation as well as finish the installation for straight cable ladders' sections. If necessary, covers can be fixed with cover brackets KAP or screws. When using KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

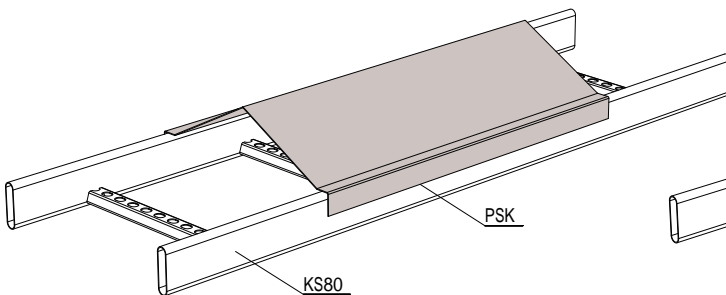


CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	PACKAGE
1449100	PSK-150 L=3000 PG	5.68	153	80	10 PCE / 30 MTR
1449101	PSK-200 L=3000 PG	6.6	203	80	10 PCE / 30 MTR
1449102	PSK-300 L=3000 PG	9.05	303	100	10 PCE / 30 MTR
1449103	PSK-400 L=3000 PG	11.14	403	100	10 PCE / 30 MTR
1449104	PSK-500 L=3000 PG	13.31	503	100	10 PCE / 30 MTR
1449105	PSK-600 L=3000 PG	15.52	603	100	10 PCE / 30 MTR

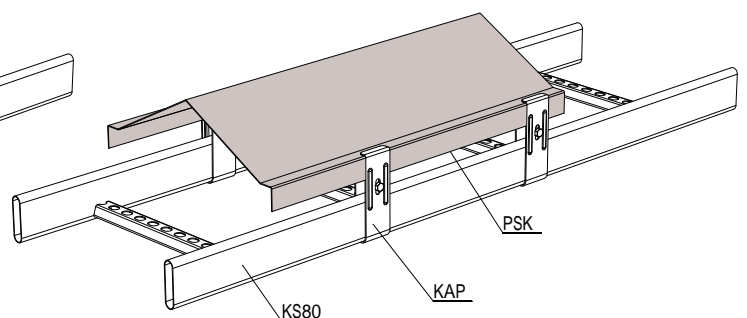
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	PACKAGE
1433411	PSK-150 L=3000 XPG	5.68	153	80	10 PCE / 30 MTR
1433412	PSK-200 L=3000 XPG	6.6	203	80	10 PCE / 30 MTR
1433413	PSK-300 L=3000 XPG	9.05	303	100	10 PCE / 30 MTR
1433414	PSK-400 L=3000 XPG	11.14	403	100	10 PCE / 30 MTR
1433415	PSK-500 L=3000 XPG	13.31	503	100	10 PCE / 30 MTR
1433416	PSK-600 L=3000 XPG	15.52	603	100	10 PCE / 30 MTR

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4



Cover PSK is used to prevent dirt and dust from accumulating on the cables. The cover is attached to the cable ladder with screws.

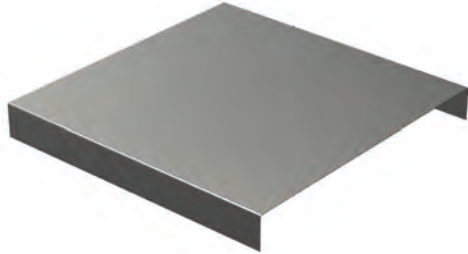


It is possible to increase the cable space under the cover by 50mm with cover bracket KAP. Recommended installation gap 1-1.5m, depending on the width of the cover.

Joint cover KRL-J

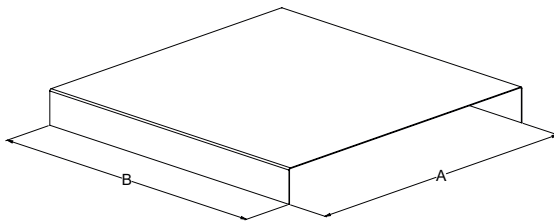


Joint covers KRL-J are used to cover KRL-type covers at junction place gap. In horizontal installation joint covers stay at place quite tightly themselves, but if needed these can be fixed with screws.



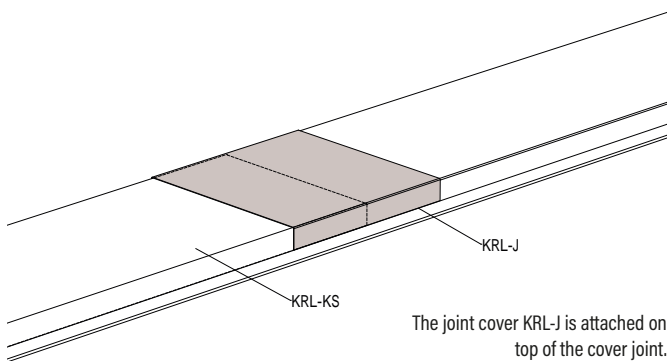
CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	PACKAGE
1432916	KRL-J-150 PG	0.38	155	304	10 PCE
1432852	KRL-J-200 PG	0.47	205	304	10 PCE
1432853	KRL-J-300 PG	0.64	305	304	10 PCE
1432854	KRL-J-400 PG	0.82	405	304	10 PCE
1432855	KRL-J-500 PG	0.99	505	304	10 PCE
1432856	KRL-J-600 PG	1.16	605	304	10 PCE

PG
Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	PACKAGE
1433457	KRL-J-150 XPG	0.38	155	304	10 PCE
1433458	KRL-J-200 XPG	0.47	205	304	10 PCE
1433459	KRL-J-300 XPG	0.64	305	304	10 PCE
1433460	KRL-J-400 XPG	0.82	405	304	10 PCE
1433461	KRL-J-500 XPG	0.99	505	304	10 PCE
1433462	KRL-J-600 XPG	1.16	605	304	10 PCE

XPG
Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

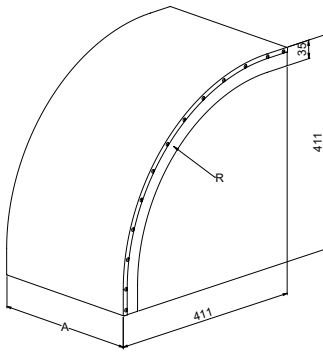


Cover KRL-KSV



Vertical bend covers KRL-KSV are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for KSV bends. If necessary, covers can be fixed with cover brackets KAP or screws. When using KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

The height of the KRL-KSV covers is 35 mm and inside radius R=300 mm.



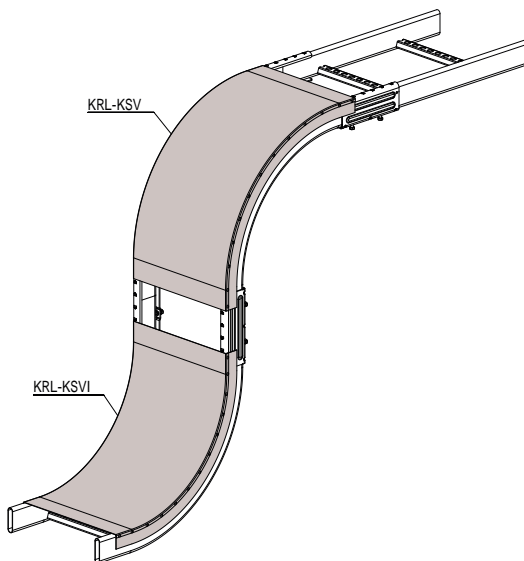
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1432914	KRL-KSV-150 R=300 PG	1.03	152	300	4 PCE
1432842	KRL-KSV-200 R=300 PG	1.25	202	300	4 PCE
1432843	KRL-KSV-300 R=300 PG	1.68	302	300	4 PCE
1432844	KRL-KSV-400 R=300 PG	2.12	402	300	4 PCE
1432845	KRL-KSV-500 R=300 PG	2.56	502	300	4 PCE
1432846	KRL-KSV-600 R=300 PG	2.99	602	300	4 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1433388	KRL-KSV-150 R=300 XPG	1.03	152	300	4 PCE
1433389	KRL-KSV-200 R=300 XPG	1.25	202	300	4 PCE
1433390	KRL-KSV-300 R=300 XPG	1.68	302	300	4 PCE
1433391	KRL-KSV-400 R=300 XPG	2.12	402	300	4 PCE
1433392	KRL-KSV-500 R=300 XPG	2.56	502	300	4 PCE
1433393	KRL-KSV-600 R=300 XPG	2.99	602	300	4 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Covers are used to prevent dirt and dust from accumulating on the cables. The cover is attached to the cable ladder with screws.

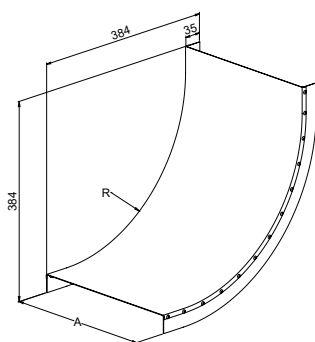
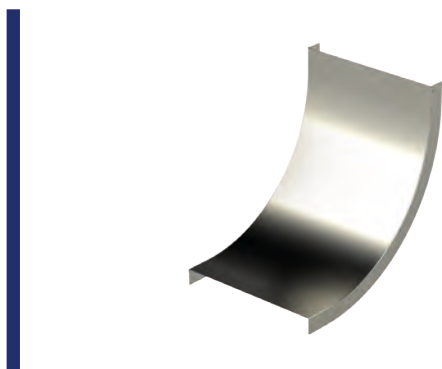


Cover KRL-KSVI



Vertical bend covers KRL-KSVI are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for KSVI bends. If necessary, covers can be fixed with cover brackets KAP or screws. When using KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

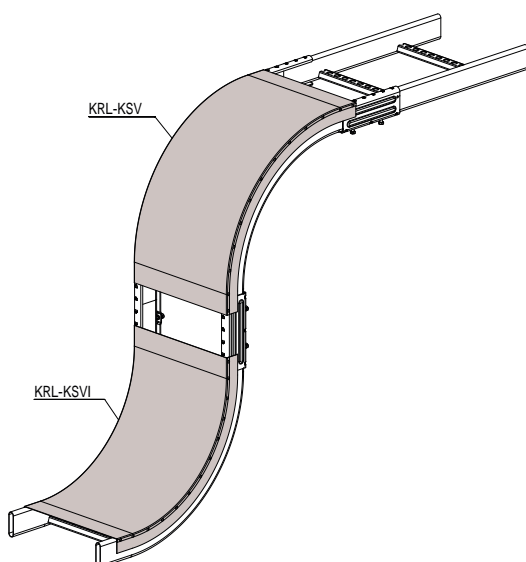
The height of the KRL-KSVI covers is 35 mm and inside radius R=300 mm.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1432981	KRL-KSVI-150 R=300 PG	1.2	152	300	4 PCE
1432982	KRL-KSVI-200 R=300 PG	1.23	202	300	4 PCE
1432983	KRL-KSVI-300 R=300 PG	1.94	302	300	4 PCE
1432984	KRL-KSVI-400 R=300 PG	1.99	402	300	4 PCE
1432985	KRL-KSVI-500 R=300 PG	2.9	502	300	4 PCE
1432986	KRL-KSVI-600 R=300 PG	2.98	602	300	4 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2				

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	R mm	PACKAGE
1433394	KRL-KSVI-150 R=300 XPG	1.2	152	300	4 PCE
1433395	KRL-KSVI-200 R=300 XPG	1.23	202	300	4 PCE
1433396	KRL-KSVI-300 R=300 XPG	1.94	302	300	4 PCE
1433397	KRL-KSVI-400 R=300 XPG	1.99	402	300	4 PCE
1433398	KRL-KSVI-500 R=300 XPG	2.9	502	300	4 PCE
1433399	KRL-KSVI-600 R=300 XPG	2.98	602	300	4 PCE
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4				

Covers are used to prevent dirt and dust from accumulating on the cables. The cover is attached to the cable ladder with screws.



Cover KRL-KS90

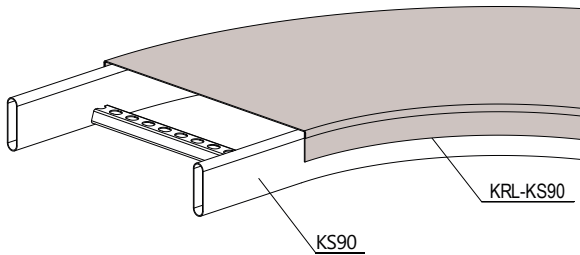
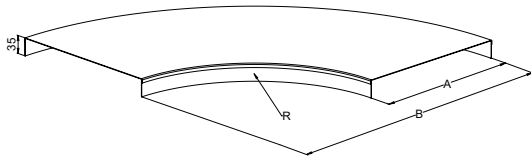


Covers KRL-KS90 are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for KS90 bends. If necessary, covers can be fixed with cover brackets KAP or screws. When using KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

The height of the KRL-KS90 covers is 35 mm and inside radius options are R=100 mm, R=300 mm, R=600 mm and R=1000 mm.



Product available to order with radius R=1000mm.



Cover KRL-KS90 is used to prevent dirt and dust from accumulating on the cables. The cover is attached to the cable ladder with screws.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1432817	KRL-KS90-200 R=100 PG	0.71	205	305	100	10 PCE
1432818	KRL-KS90-300 R=100 PG	1.19	305	405	100	10 PCE
1432819	KRL-KS90-400 R=100 PG	1.76	405	505	100	10 PCE
1432820	KRL-KS90-500 R=100 PG	2.52	505	605	100	10 PCE
1432821	KRL-KS90-600 R=100 PG	3.37	605	705	100	10 PCE
1432801	KRL-KS90-150 R=300 PG	1.09	155	454	300	10 PCE
1432802	KRL-KS90-200 R=300 PG	1.41	205	505	300	10 PCE
1432803	KRL-KS90-300 R=300 PG	2.14	305	605	300	10 PCE
1432804	KRL-KS90-400 R=300 PG	2.99	405	705	300	10 PCE
1432805	KRL-KS90-500 R=300 PG	3.96	505	805	300	10 PCE
1432806	KRL-KS90-600 R=300 PG	5.06	605	905	300	10 PCE
1432901	KRL-KS90-150 R=600 PG	1.92	155	740	600	10 PCE
1432807	KRL-KS90-200 R=600 PG	2.41	205	790	600	10 PCE
1432808	KRL-KS90-300 R=600 PG	3.49	305	890	600	10 PCE
1432809	KRL-KS90-400 R=600 PG	4.69	405	990	600	10 PCE
1432810	KRL-KS90-500 R=600 PG	6.01	505	1090	600	10 PCE
1432811	KRL-KS90-600 R=600 PG	7.46	605	1190	600	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1433321	KRL-KS90-200 R=100 XPG	0.71	205	305	100	10 PCE
1433322	KRL-KS90-300 R=100 XPG	1.19	305	405	100	10 PCE
1433323	KRL-KS90-400 R=100 XPG	1.76	405	505	100	10 PCE
1433324	KRL-KS90-500 R=100 XPG	2.52	505	605	100	10 PCE
1433325	KRL-KS90-600 R=100 XPG	3.37	605	705	100	10 PCE
1433326	KRL-KS90-150 R=300 XPG	1.09	155	454	300	10 PCE
1433327	KRL-KS90-200 R=300 XPG	1.41	205	505	300	10 PCE
1433328	KRL-KS90-300 R=300 XPG	2.14	305	605	300	10 PCE
1433329	KRL-KS90-400 R=300 XPG	2.99	405	705	300	10 PCE
1433330	KRL-KS90-500 R=300 XPG	3.96	505	805	300	10 PCE
1433331	KRL-KS90-600 R=300 XPG	5.06	605	905	300	10 PCE
1433336	KRL-KS90-150 R=600 XPG	1.92	155	740	600	10 PCE
1433337	KRL-KS90-200 R=600 XPG	2.41	205	790	600	10 PCE
1433338	KRL-KS90-300 R=600 XPG	3.49	305	890	600	10 PCE
1433339	KRL-KS90-400 R=600 XPG	4.69	405	990	600	10 PCE
1433340	KRL-KS90-500 R=600 XPG	6.01	505	1090	600	10 PCE
1433341	KRL-KS90-600 R=600 XPG	7.46	605	1190	600	10 PCE

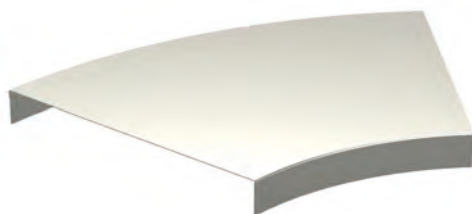
XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Cover KRL-KS45

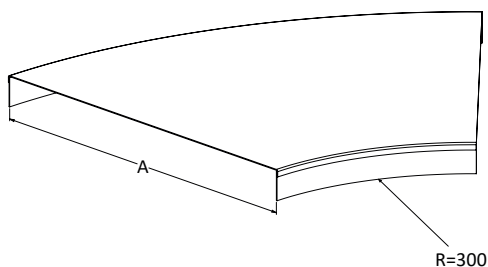


Covers KRL-KS45 are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for KS45 bends. If necessary, covers can be fixed with cover brackets KAP or screws. When using KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

The height of the KRL-KS45 covers is 35 mm and inside radius $R=300$ mm.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	R mm	PACKAGE
1433467	KRL-KS45-150 R=300 XPG	0.55	155	246	300	10 PCE
1433468	KRL-KS45-200 R=300 XPG	0.71	205	296	300	10 PCE
1433469	KRL-KS45-300 R=300 XPG	1.1	305	396	300	10 PCE
1433470	KRL-KS45-400 R=300 XPG	1.51	405	496	300	10 PCE
1433471	KRL-KS45-500 R=300 XPG	2	505	596	300	10 PCE
1433472	KRL-KS45-600 R=300 XPG	2.55	605	695	300	10 PCE
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4					



Up-to-date and comprehensive product information, test results and example installations are available on our website.

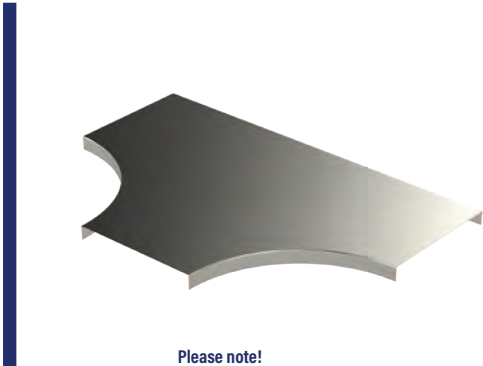
www.meka.eu





Covers KRL-KST are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for KST pieces. If necessary, covers can be fixed with cover brackets KAP or screws. When using KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

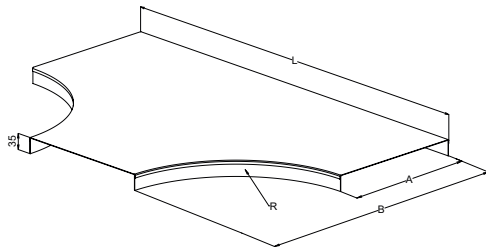
The height of the KRL-KST covers is 35 mm and inside radius options are R=300 mm, R=600 mm and R=1000 mm.



Please note!
Products available by special order with a radius of R=1000 mm.

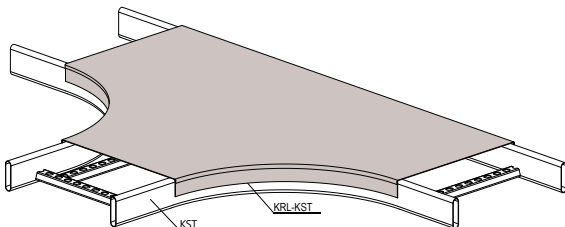
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	L mm	R mm	PACKAGE
1432906	KRL-KST-150 R=300 PG	2.08	155	455	750	300	10 PCE
1432822	KRL-KST-200 R=300 PG	2.57	205	505	800	300	10 PCE
1432823	KRL-KST-300 R=300 PG	3.68	305	605	900	300	10 PCE
1432824	KRL-KST-400 R=300 PG	4.95	405	705	1000	300	10 PCE
1432825	KRL-KST-500 R=300 PG	6.36	505	805	1100	300	10 PCE
1432826	KRL-KST-600 R=300 PG	7.93	605	905	1200	300	10 PCE
1432907	KRL-KST-150 R=600 PG	4.38	155	740	1320	600	10 PCE
1432827	KRL-KST-200 R=600 PG	5.21	205	790	1370	600	10 PCE
1432828	KRL-KST-300 R=600 PG	6.97	305	890	1470	600	10 PCE
1432829	KRL-KST-400 R=600 PG	8.9	405	990	1570	600	10 PCE
1432830	KRL-KST-500 R=600 PG	10.97	505	1090	1670	600	10 PCE
1432831	KRL-KST-600 R=600 PG	13.2	605	1190	1770	600	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	L mm	R mm	PACKAGE
1433352	KRL-KST-150 R=300 XPG	2.08	155	455	750	300	10 PCE
1433353	KRL-KST-200 R=300 XPG	2.57	205	505	800	300	10 PCE
1433354	KRL-KST-300 R=300 XPG	3.68	305	605	900	300	10 PCE
1433355	KRL-KST-400 R=300 XPG	4.95	405	705	1000	300	10 PCE
1433356	KRL-KST-500 R=300 XPG	6.36	505	805	1100	300	10 PCE
1433357	KRL-KST-600 R=300 XPG	7.93	605	905	1200	300	10 PCE
1433362	KRL-KST-150 R=600 XPG	4.38	155	740	1320	600	10 PCE
1433363	KRL-KST-200 R=600 XPG	5.21	205	790	1370	600	10 PCE
1433364	KRL-KST-300 R=600 XPG	6.97	305	890	1470	600	10 PCE
1433365	KRL-KST-400 R=600 XPG	8.9	405	990	1570	600	10 PCE
1433366	KRL-KST-500 R=600 XPG	10.97	505	1090	1670	600	10 PCE
1433367	KRL-KST-600 R=600 XPG	13.2	605	1190	1770	600	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4



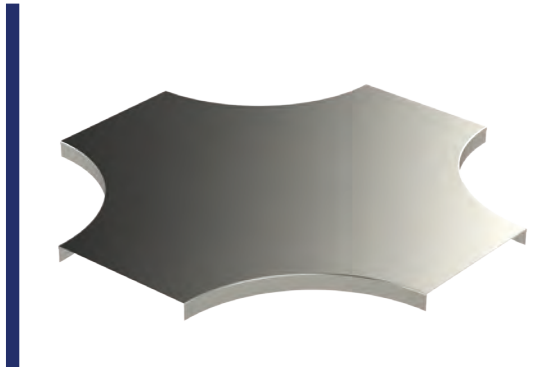
Cover KRL-KST is used to prevent dirt and dust from accumulating on the cables. The cover is attached to the cable ladder with screws.

Cover KRL-KSX



Covers KRL-KSX are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for KSX pieces. If necessary, covers can be fixed with cover brackets KAP or screws. When using KAP covers are raised approx. 50 mm that adds cable space and improve better air flow.

The height of the KRL-KSX covers is 35 mm and inside radius R=300 mm.

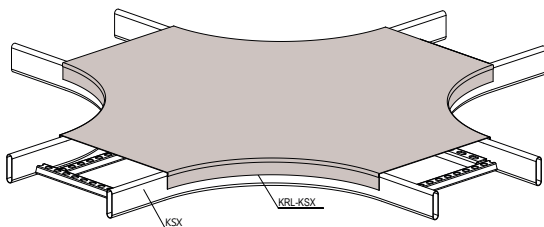
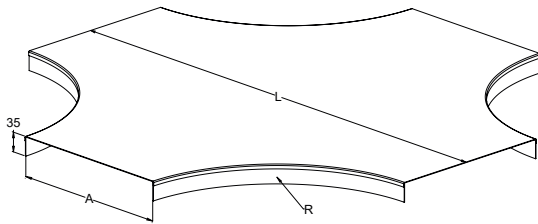


CODE	PRODUCT x = stock product	WGT. kg / pcl	A mm	L mm	R mm	PACKAGE
1432912	KRL-KSX-150 R=300 PG	2.82	155	750	300	10 PCE
1432837	KRL-KSX-200 R=300 PG	3.42	205	800	300	10 PCE
1432838	KRL-KSX-300 R=300 PG	4.75	305	900	300	10 PCE
1432839	KRL-KSX-400 R=300 PG	6.23	405	1000	300	10 PCE
1432840	KRL-KSX-500 R=300 PG	7.87	505	1100	300	10 PCE
1432841	KRL-KSX-600 R=300 PG	9.66	605	1200	300	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pcl	A mm	L mm	R mm	PACKAGE
1433378	KRL-KSX-150 R=300 XPG	2.82	155	750	300	10 PCE
1433379	KRL-KSX-200 R=300 XPG	3.42	205	800	300	10 PCE
1433380	KRL-KSX-300 R=300 XPG	4.75	305	900	300	10 PCE
1433381	KRL-KSX-400 R=300 XPG	6.23	405	1000	300	10 PCE
1433382	KRL-KSX-500 R=300 XPG	7.87	505	1100	300	10 PCE
1433383	KRL-KSX-600 R=300 XPG	9.66	605	1200	300	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4



Cover KRL-KSX is used to prevent dirt and dust from accumulating on the cables. The cover is attached to the cable ladder with screws.



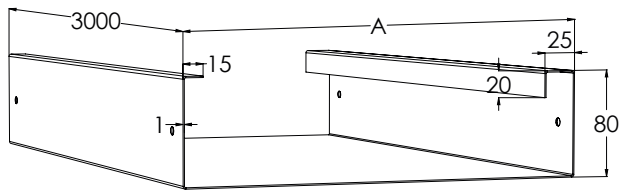
Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu

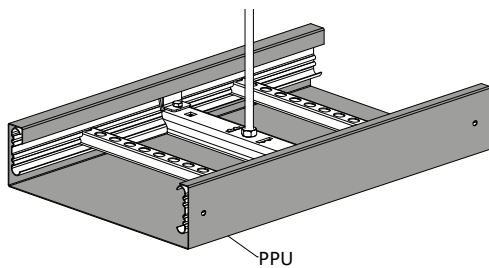
Bottom cover PPU



Bottom covers PPU are used to provide visual cover and protect cables from dents underneath of KS20-, KS60- and KS80-type cable ladders' straight sections. Covers PPU can be mounted from underneath and fixed with screws if necessary.



Bottom cover PPU covers the cable ladder from the sides and from below. The bottom cover is secured with screws.

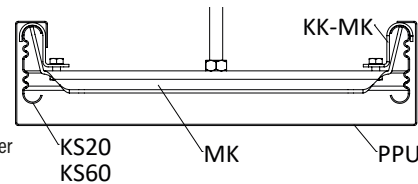


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1432919	PPU-150 L=3000 M	8.72	158	1 PCE / 3 MTR
1432892	PPU-200 L=3000 M	9.91	208	1 PCE / 3 MTR
1432893	PPU-300 L=3000 M	12.27	308	1 PCE / 3 MTR
1432894	PPU-400 L=3000 M	14.6	408	1 PCE / 3 MTR
1432895	PPU-500 L=3000 M	16.96	508	1 PCE / 3 MTR
1432896	PPU-600 L=3000 M	19.31	608	1 PCE / 3 MTR

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1432918	PPU-150 L=3000 PG	8.64	158	1 PCE / 3 MTR
1432887	PPU-200 L=3000 PG	9.81	208	1 PCE / 3 MTR
1432888	PPU-300 L=3000 PG	12.15	308	1 PCE / 3 MTR
1432889	PPU-400 L=3000 PG	14.45	408	1 PCE / 3 MTR
1432890	PPU-500 L=3000 PG	16.79	508	1 PCE / 3 MTR
1432891	PPU-600 L=3000 PG	19.12	608	1 PCE / 3 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

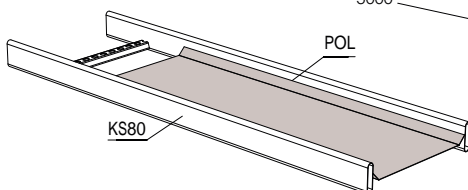
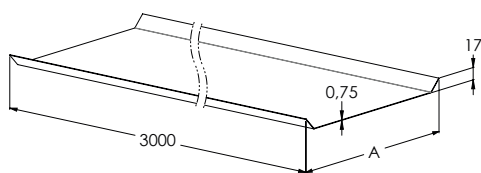
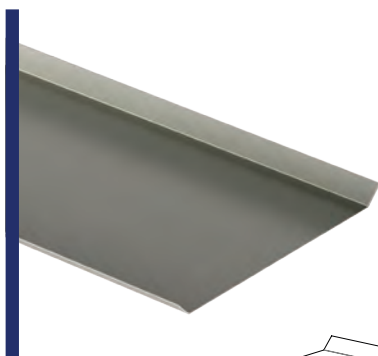


It is also possible to install bottom cover PPU on top of KK-MK brackets.

Bottom plate POL



Bottom plates POL are used to provide visual cover and protect cables from dents underneath of cable ladders' straight sections. POL plates are suitable for all Meka cable ladders and can be installed inside of cable ladders without fixing.



The bottom plate POL is placed at the bottom of the cable compartment.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1449417	POL-150 L=3000 PG	2.25	118	1 PCE / 3 MTR
1449412	POL-200 L=3000 PG	3.1	168	1 PCE / 3 MTR
1449413	POL-300 L=3000 PG	4.82	268	1 PCE / 3 MTR
1449414	POL-400 L=3000 PG	6.55	368	1 PCE / 3 MTR
1449415	POL-500 L=3000 PG	8.26	468	1 PCE / 3 MTR
1449416	POL-600 L=3000 PG	9.98	568	1 PCE / 3 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

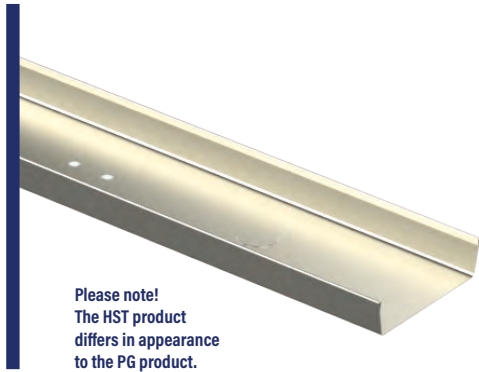
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1433431	POL-200 L=3000 XPG	3.1	168	1 PCE / 3 MTR
1433432	POL-300 L=3000 XPG	4.82	268	1 PCE / 3 MTR
1433433	POL-400 L=3000 XPG	6.55	368	1 PCE / 3 MTR
1433434	POL-500 L=3000 XPG	8.26	468	1 PCE / 3 MTR
1433435	POL-600 L=3000 XPG	9.98	568	1 PCE / 3 MTR

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Low voltage gutter SR



Low voltage gutters SR are used to separate cables within cable ladders, cable trays and wire mesh trays. Gutters SR are 25mm high and do not extend over the edges of cable ladders or -trays. For fixing SR to cable ladders bolts and nuts, for instance, can be used.



Please note!
The HST product differs in appearance to the PG product.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1449701	SR-50 L=2000 PG	0.77	50	2000	10 PCE / 20 MTR
1449702	SR-100 L=2000 PG	1.13	100	2000	10 PCE / 20 MTR
1449703	SR-150 L=2000 PG	1.53	150	2000	10 PCE / 20 MTR

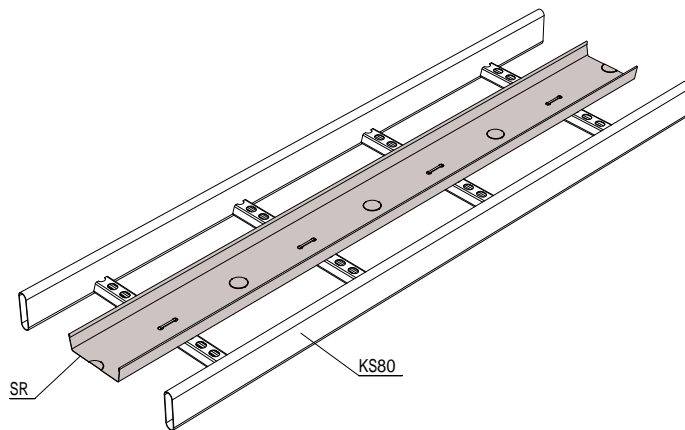
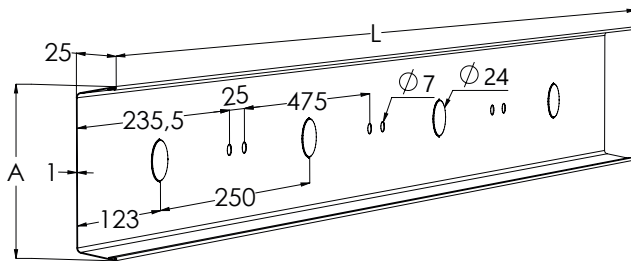
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1433464	SR-100 L=2000 XPG	1.13	100	2000	10 PCE / 20 MTR
1433463	SR-50 L=2000 XPG	0.77	50	2000	10 PCE / 20 MTR
1433465	SR-150 L=2000 XPG	1.53	150	2000	10 PCE / 20 MTR

XPG Steel : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1430402	HST SR-50 L=2000	0.79	50	2000	10 PCE / 20 MTR
1430403	HST SR-100 L=2000	1.18	100	2000	10 PCE / 20 MTR
1430404	HST SR-150 L=2000	1.57	150	2000	10 PCE / 20 MTR

HST Acid-proof steel : C1-CX



Low voltage gutter SR is used when a separate section for low-voltage wires is required. Low voltage gutter SR is attached to the cable ladder's intermediate cleat with a cable tie or screw.

Separation plate AP

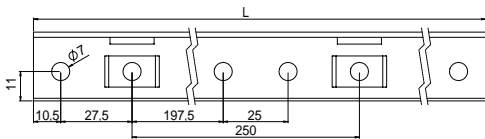
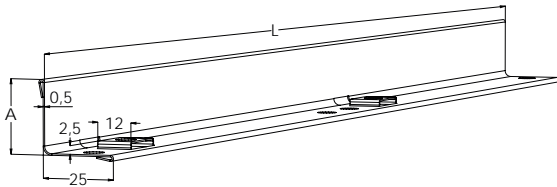


Separation plates AP are used to separate cables, especially low and high voltage cables, within cable ladders, cable trays and wire mesh trays.

AP plates can be fixed by using cable ties, bolts and nuts or screws. When separation plates are used inside non-perforated cable trays KRA then support plates APT can be used for fixing.



Please note!
The HST product differs in appearance to the PG product.

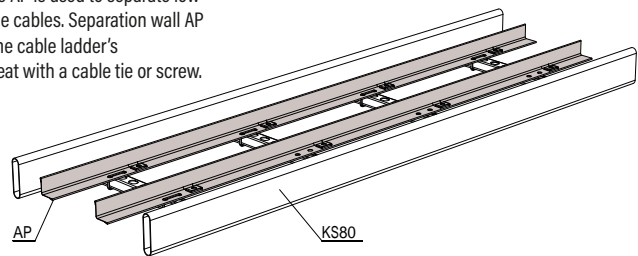


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1461660	AP-40 L=2750 M	0.64	25	2750	10 PCE
1432740	AP-60 L=2000 M	2.08	55	2000	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2				

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1449718	AP-40 L=1750 PG	0.4	25	1750	10 PCE
1449710	x AP-40 L=2750 PG	0.63	25	2750	10 PCE
1432737	AP-60 L=2000 PG	2.06	55	2000	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2				

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1430401	HST AP-40 L=2000	0.58	25	2000	10 PCE
HST	Acid-proof steel : C1-CX				

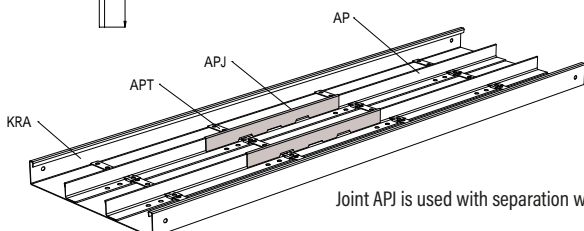
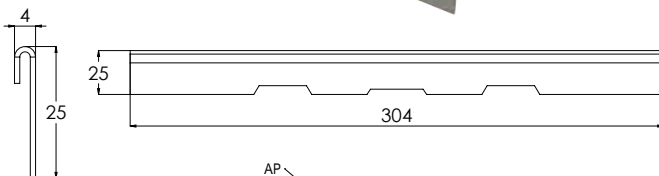
Separation plate AP is used to separate low and high voltage cables. Separation wall AP is attached to the cable ladder's intermediate cleat with a cable tie or screw.



Joint APJ



Joints APJ are used to connect and hold ends of separation plates AP securely together. Joints are simply pushed onto AP plate ends without tools.



Joint APJ is used with separation wall joints.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431681	APJ-40 M	0.079	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

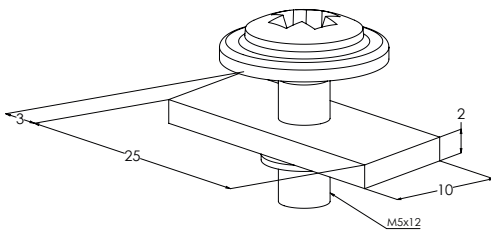
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431680	APJ-40 PG	0.075	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1433466	APJ-40 XPG	0.075	10 PCE
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4		

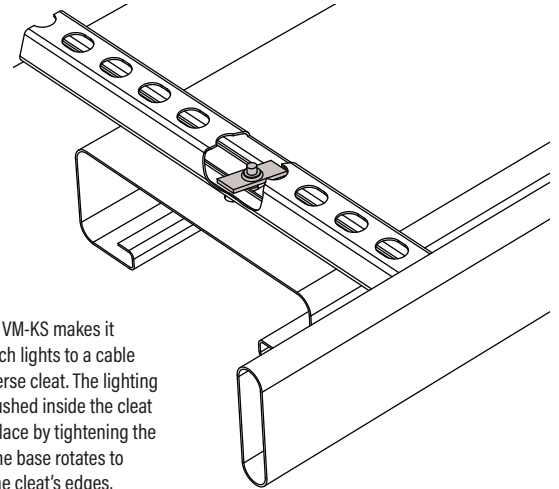
Lighting fixture VM-KS

PG

Lighting fixtures VM-KS are used for mounting luminaires and other devices to rungs of KS-type cable ladders. Fixtures VM-KS are mounted inside cable ladder rung profiles from below.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1432897	VM-KS PG	0.005	40	100 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			



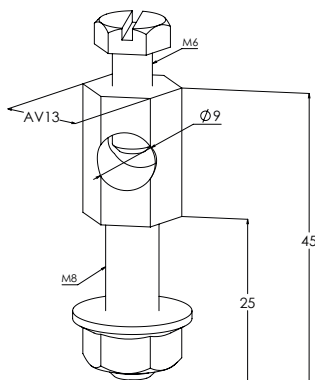
Lighting fixture VM-KS makes it possible to attach lights to a cable ladder's transverse cleat. The lighting nut's head is pushed inside the cleat and locked in place by tightening the screw so that the base rotates to rest on top of the cleat's edges.

Earthing terminal PE

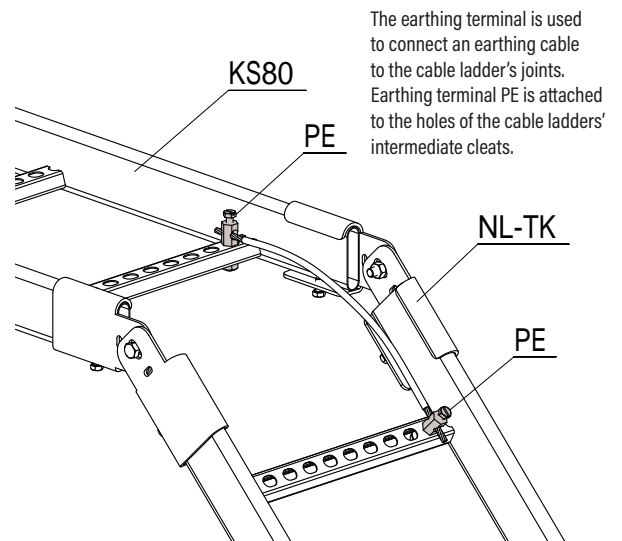
HDG

Earthing terminals PE are used to ground cable ladders, lighting support rails, cable trays and wire mesh trays at places where it is especially needed. PE terminal has $\varnothing 9$ mm hole for fixing the earthing wire.

Mounting can be done easily into cable ladders' rungs or cable trays' perforation. Product set includes bolt and nut.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449799	x PE HDG	0.033	10 PCE
HDG	HDG or corresponding corrosion protection : C1-C4		

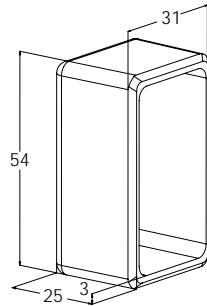


The earthing terminal is used to connect an earthing cable to the cable ladder's joints. Earthing terminal PE is attached to the holes of the cable ladders' intermediate cleats.

End plug SP

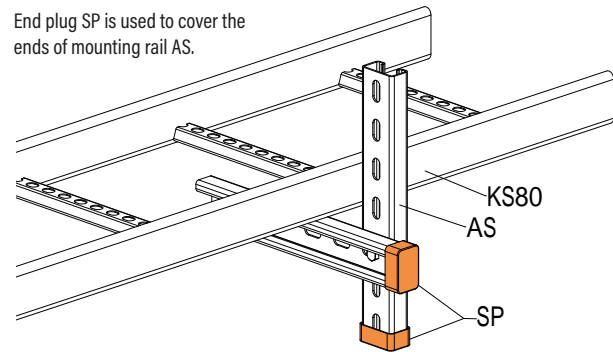
End plugs SP are used to cover ends of AS mounting rails and ceiling brackets HK1 and HK2.

Orange colour plugs are visible in dim light that is important for security reason.



CODE	PRODUCT	WGT.	PACKAGE
	<small>x = stock product</small>	kg / pc	
1449672	x SP	0.01	10 PCE

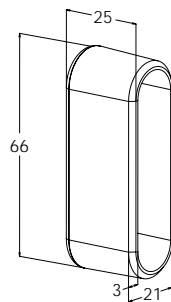
End plug SP is used to cover the ends of mounting rail AS.



End plug ÄP

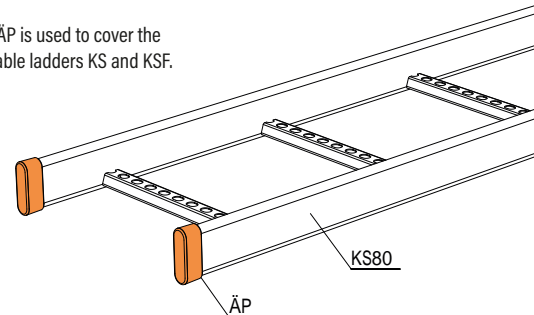
End plugs ÄP are used to cover ends of KS-type cable ladders and protect profiles from dust, humidity and bugs.

Orange colour plugs are visible in dim light that is important for security reason as well.



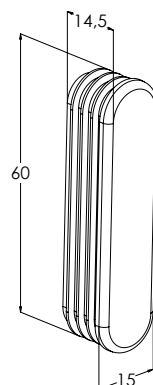
CODE	PRODUCT	WGT.	PACKAGE
	<small>x = stock product</small>	kg / pc	
1449681	x ÄP	0.009	10 PCE

End plug ÄP is used to cover the ends of cable ladders KS and KSF.



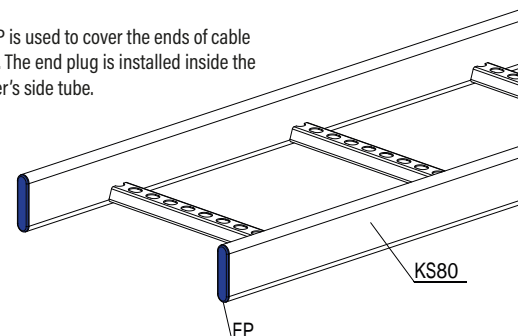
End plug EP

End plugs EP are used to cover ends of KS80-type ladders, especially for improved hygiene with KSE80 food industry cable ladders.



CODE	PRODUCT	WGT.	PACKAGE
	<small>x = stock product</small>	kg / pc	
1449717	EP	0.005	10 PCE

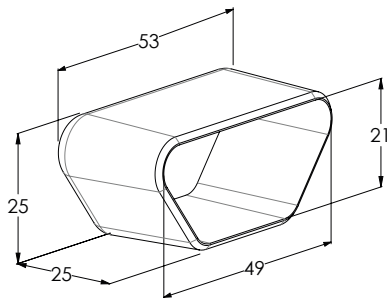
End plug EP is used to cover the ends of cable ladder KSE. The end plug is installed inside the cable ladder's side tube.



End plug SP-TP1

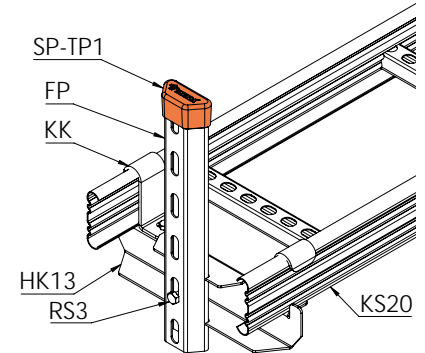
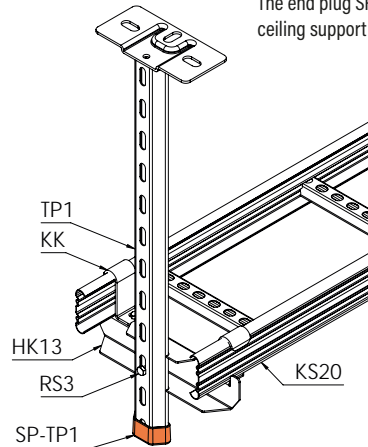
End plugs SP-TP1 are used to cover ends of mounting rails FP and ceiling brackets TP1.

Orange colour plugs are visible in dim light that is important for security reason.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449726	x SP-TP1	0.006	10 PCE

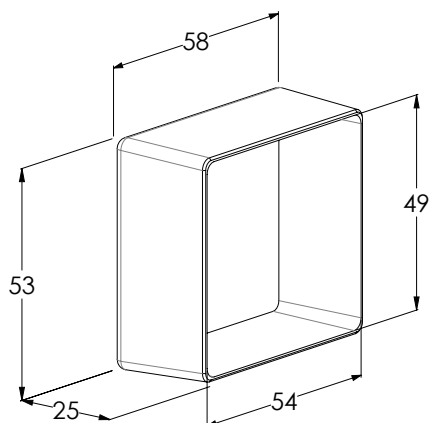
The end plug SP-TP1 is pressed onto the end of the ceiling support TP1 and the mounting rail FP.



End plug SP-TP2

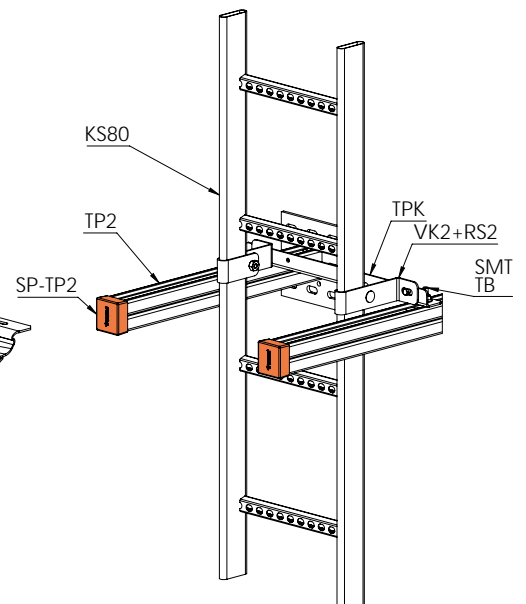
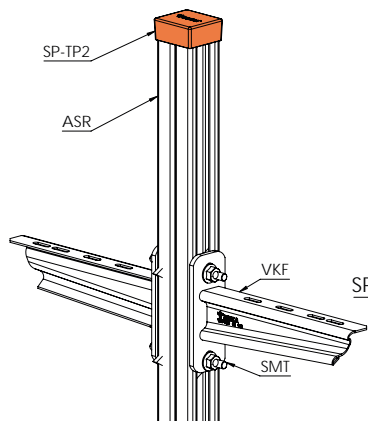
End plugs SP-TP2 are used to cover ends of mounting rails ASR and ceiling brackets TP2.

Orange colour plugs are visible in dim light that is important for security reason.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449727	x SP-TP2	0.012	10 PCE

The end plug SP-TP2 is pressed onto the end of the mounting rail ASR and the ceiling support TP2.

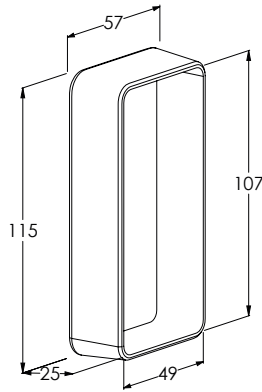


End plug SP-TP2-P



End plugs SP-TP2-P are used to cover ends of mounting rails ASR-P and ceiling brackets TP2-P.

Orange colour plugs are visible in dim light that is important for security reason.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449728	x SP-TP2-P	0.03	10 PCE

Repair paint SPRAY

Spray paint is used to repair smaller scratches and damages of surface.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449709	x MEKA SPRAY ZN	0.38	12 PCE
1431809	x MEKA SPRAY RAL9010	0.4	12 PCE

Threaded rod GT



Threaded rods GT are used for suspending cable ladders and -trays with different types of supports as MK, PRT, HK13, TPK, RMK, MEK RK, CT-IS etc. and ceiling brackets as RTF-10, RTF-Z, TFP, TFP-A, for instance.

Threaded rods GT are available for corrosivity categories C1-CX.



CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1459420	GT-6 L=1000 EG	0.15	1000	270	20 PCE / 20 MTR
1449157	GT-8 L=2000 EG	0.5	2000	490	20 PCE / 40 MTR
1449650	x GT-10 L=2000 EG	0.98	2000	600	20 PCE / 40 MTR
1449651	GT-16 L=2000 EG	2.5	2000	1000	10 PCE / 20 MTR

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1449160	x GT-10 L=2000 HDG	0.98	2000	600	20 PCE / 40 MTR
1449161	GT-16 L=2000 HDG	2.5	2000	1000	10 PCE / 20 MTR

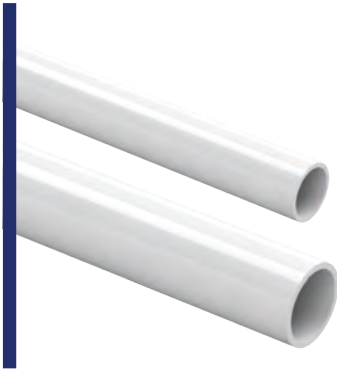
HDG HDG or corresponding corrosion protection : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1430418	HST GT-6 L=1000	0.17	1000	270	20 PCE / 40 MTR
1430420	HST GT-10 L=2000	1	2000	600	20 PCE / 40 MTR
1430421	HST GT-16 L=2000	2.63	2000	1000	10 PCE / 20 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Protective sleeve SS

White plastic protective sleeves SS are used to cover threaded rods GT. The protection is generally needed from design but using protective sleeves also prevents the accumulation of dust and dirt on the threaded rods, which is important from hygienic point of view.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459426	SS-6 W	5.04	1 PCE / 250 MTR
1431800	x SS-10	3.16	1 PCE / 100 MTR
1431801	SS-16	6.18	1 PCE / 100 MTR
White plastic			

Bolt set RS



Bolt sets RS include nut and bolt and are used to connect different Meka products.



CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1449122	x RS TKU M	M5x10	0.01	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1448720	x RS 4 EG	M6x20	0.01	10 PCE
1449108	x RS MEK J 10 EG	M5x10	0.01	10 PCE
1449114	x RS MEK VM EG	M5x12	0.01	100 PCE
1449123	RS SK EG	M8x20	0.03	10 PCE
1449124	x RS MEK SK EG	M5x16	0.03	10 PCE
1431735	x RS K EG	M8x25	0.02	10 PCE
1431731	RS PSF EG	M8x35	0.02	10 PCE
1431734	x RS SVK EG	M10x16	0.03	10 PCE
1470352	x RS 5 EG	M6x12	0.01	10 PCE
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1448721	RS 4 HDG	M6x20	0.01	10 PCE
1449697	x RS 1 HDG	M6x16	0.01	10 PCE
1449698	x RS 2 HDG	M8x40	0.02	10 PCE
1449699	x RS 3 HDG	M8x70	0.03	10 PCE
1449112	x RS VK2 HDG	M8x30	0.02	10 PCE
1449113	RS SMT HDG	M10x40	0.04	10 PCE
1449115	x RS KSF HDG	M10x30	0.04	10 PCE
1449125	RS KAP HDG	M6x30	0.01	10 PCE
1449127	x RS 12 HDG	M8x120	0.06	10 PCE
1449111	x RS SSU HDG	M8x80	0.04	10 PCE
1470353	x RS 5 HDG	M6x12	0.01	10 PCE
HDG	HDG or corresponding corrosion protection : C1-C4			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1430428	x HST RS 1	M6x12	0.01	10 PCE
1430429	x HST RS 2	M8x40	0.02	10 PCE
1430430	x HST RS 3	M8x70	0.03	10 PCE
1430431	HST RS SSU	M8x80	0.04	10 PCE
1430432	HST RS VK2	M8x30	0.02	10 PCE
1430433	x HST RS SMT	M10x40	0.04	10 PCE
1430438	HST RS KSF	M10x30	0.04	10 PCE
1448722	x RS 4 HST	M6x20	0.01	10 PCE
1470354	x RS 5 HST	M6x12	0.01	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX			

Nuts MU are used for fastening intermediate and gate supports to threaded rods.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431740	MU M10 M	0.01	100 PCE
1431741	MU M16 M	0.02	100 PCE

M	White RAL 9010 polyester paint coating : C1-C2		
---	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459427	MU M6 EG	0.01	10 PCE
1449991	MU M8 EG	0.015	200 PCE
1449992	MU M10 EG	0.01	50 PCE
1449993	MU M16 EG	0.02	50 PCE

EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2		
----	---	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449168	MU M6 HDG	0.01	200 PCE
1449166	MU M10 HDG	0.01	100 PCE
1449167	MU M16 HDG	0.02	100 PCE

HDG	HDG or corresponding corrosion protection : C1-C4		
-----	---	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430426	HST MU M6	0.01	200 PCE
1430436	x HST MU M10	0.01	200 PCE
1430437	HST MU M16	0.02	50 PCE

HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
-----	--	--	--

Extension nut JM

Extension nuts are used for connecting GT-type threaded rods. The height of JM extension nuts is 40 mm.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431746	JM M10 M	0.05	50 PCE
1431747	JM M16 M	0.12	100 PCE

M	White RAL 9010 polyester paint coating : C1-C2		
---	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431748	JM M10 HDG	0.05	50 PCE / 1 BG
1431749	JM M16 HDG	0.12	50 PCE / 1 BG

HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		
-----	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459425	JM M6 EG	0.01	10 PCE / 1 BG
1430062	JM M8 EG	0.02	50 PCE / 1 BG
1449704	JM M10 EG	0.05	50 PCE
1449705	JM M16 EG	0.12	100 PCE

EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2		
----	---	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430427	HST JM M6	0.01	50 PCE / 1 BG
1430434	x HST JM M10	0.05	100 PCE
1430435	HST JM M16	0.12	50 PCE

HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
-----	--	--	--

Washer AL

Washers AL are used together with nuts MU to reduce the surface pressure and friction to improve the accuracy of the tightening torque.

Washers AL are sold and delivered in packages.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342088	AL M6 EG	0.001	200 PCE / 1 BG
1342091	AL M8 EG	0.002	200 PCE / 1 BG
1342094	AL M10 EG	0.004	50 PCE / 1 BG
1342097	AL M16 EG	0.011	50 PCE / 1 BG

EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		
----	---	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342089	AL M6 HDG	0.001	200 PCE / 1 BG
1342095	AL M10 HDG	0.004	100 PCE / 1 BG
1342098	AL M16 HDG	0.011	100 PCE / 1 BG

HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		
-----	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342090	HST AL M6	0.001	200 PCE / 1 BG
1342096	HST AL M10	0.004	200 PCE / 1 BG
1342099	HST AL M16	0.011	50 PCE / 1 BG

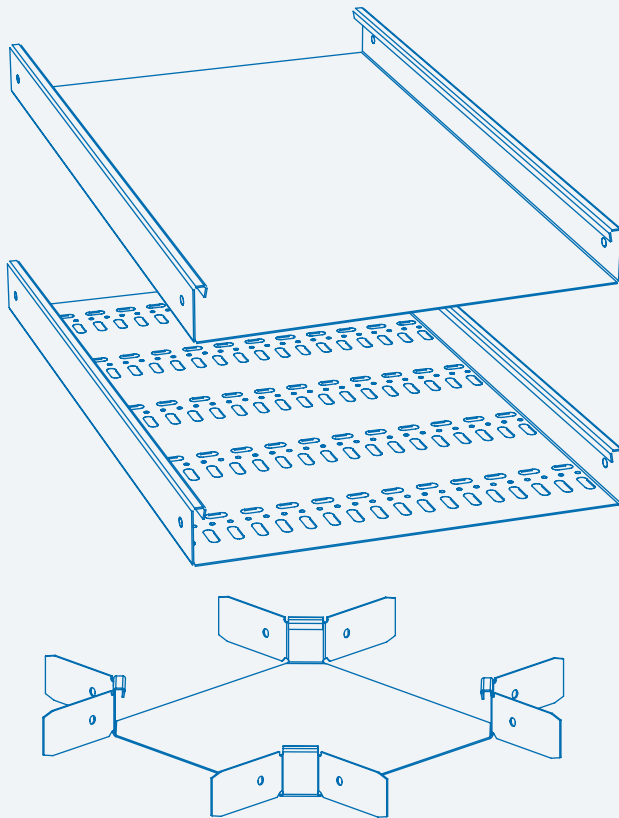
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
-----	--	--	--





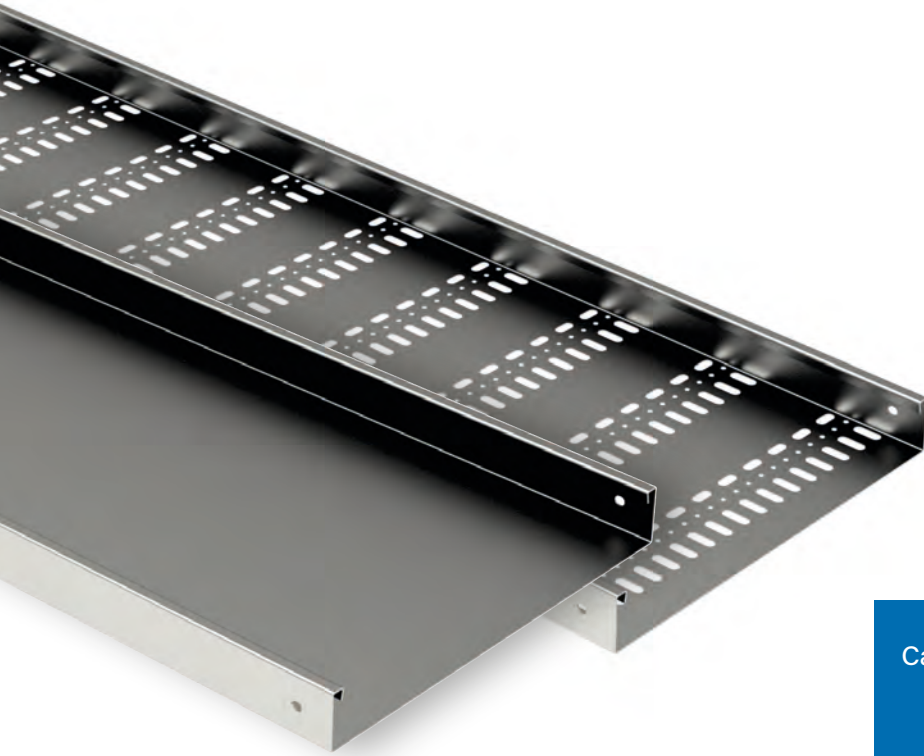


Cable Management Systems



Cable Trays

2023



Suitable for office and commercial premises.



Cables remain neatly hidden on the cable tray.

Cable trays

KRA M

Non-perforated white cable tray

95 kg/m (2 metre span)

Typical locations of use include office and commercial buildings, schools, hospitals and shopping centres. For installation in areas where the cable tray remains visible but cables need to be hidden. Made of pre-galvanised steel plate with white paint. Painted cable trays are delivered with a protective plastic film.

KRA PG

Non-perforated cable tray

95 kg/m (2 metre span)

Typical locations of use include office and commercial buildings, schools, hospitals and shopping centres. Made of pre-galvanised steel plate with 20 µm thick galvanising. For installation in areas where the cable tray remains visible but cables need to be hidden.

Cable trays are made with 40 mm and 60 mm heights. Cable trays and installation parts are available on order with 90 mm and 110 mm heights.

Cable trays are available in widths of 100-600 mm. Standard length is 3 metres.

KRB M

Perforated white cable tray

95 kg/m (2 metre span)

Perforation enhances airflow and cools the cables installed on the tray. Typical locations of use include office and commercial buildings, schools, hospitals and shopping centres. For areas, where a finished look is important, which the painted surface is used to achieve. Made of pre-galvanised steel plate with white paint. Painted cable trays are delivered with a protective plastic film.

KRB PG

Perforated cable tray

95 kg/m (2 metre span)

Perforation enhances airflow and cools the cables installed on the tray. Typical locations of use include office and commercial buildings, schools, hospitals and shopping centres. Made of pre-galvanised steel plate with 20 µm thick galvanising.

Load-carrying capacity of MEKA® cable trays have been tested in compliance with IEC 61537 test type 3.





Table of Contents

Cable trays

Fire-resistant KR cable trays	2-4	Intermediate support RMK 10	2-18	Mounting plate RDP	2-30
Potential equalisation.	2-5	Intermediate support RMK 16	2-19	Mounting plate RDP-O	2-30
KR system	2-6	Wall support RVK	2-20	Separation plate AP.	2-31
Cable tray KRA	2-8	Wall support SVK	2-21	Joint APJ	2-31
Cable tray KRB.	2-9	Wall support YPK	2-22	Separation plate support APT.	2-32
Cable tray load bearing capacity.	2-10	Wall support K.	2-23	Cover KRL	2-32
Lighting support rail KRV	2-11	End plate P KRA.	2-24	Cover KRL-RS90	2-33
Low-voltage tray KRC	2-11	End bracket RÄF	2-25	Cover KRL-RT	2-34
Corner piece RS90	2-12	Joint KRC J	2-25	Repair paint SPRAY.	2-35
Adjustable corner piece SRS	2-13	Joint RSS	2-26	Threaded rod GT	2-35
T-piece RT	2-14	Elbow joint RVS	2-27	Protective sleeve SS	2-35
T-branch bracket TKU	2-15	Width-reduction piece RAK	2-28	Bolt set RS	2-36
X-piece RX	2-16	Ceiling bracket RTF-10	2-29	Nut MU	2-36
Gate support PRT.	2-17	Ceiling bracket RTF-16	2-29	Extension nut JM	2-37
		Ceiling bracket RTF-Z	2-29	Washer AL	2-37

Fire-resistant KR cable trays

Fire rating E90



PRODUCT	SPAN LENGTH max (m)	WIDTH max (mm)	LOADING max (kg/m)
KRA	1,5	500	10

All lengths and surface treatment options up to a 500 mm width.

TYPE	PRODUCTS	
Bends	RS90	All material and surface treatment options. Maximum allowed width 500 mm. Corner pieces must be supported at no further than 300 mm from both joints.
Bracket	PSF	All material and surface treatment options.
Ceiling brackets	RTF-10, RTF-16, RTF-S, RTF-Z	All products and all material and surface treatment options. Fastening equipment that is rated for fire safety must be used with ceiling brackets.
Ceiling supports	TP1, TP2, TP2-L, TP2-P	All products and all material and surface treatment options. Fastening equipment that is rated for fire safety must be used with ceiling brackets.
Covers	KRL, KRL-RS90, KRL-RT	All products and all material and surface treatment options. Maximum allowed width is 500 mm.
End plate	P-KRA	All material and surface treatment options. Maximum allowed width is 500 mm.
Gate supports	MK, TPK, PRT	All products and all material and surface treatment options. Gate supports must be attached to the ceiling with two threaded rods.
Intermediate supports	RMK	All surface treatment options in widths 200-500 mm. RMK must be attached to the ceiling with two threaded rods.
Joints	RSS	All material and surface treatment options. Maximum allowed width is 500 mm.
Mounting rails	AS, AS-WALL, FP	All products and all material and surface treatment options. Mounting rails must be attached to the wall. Fastening equipment that is rated for fire safety must be used with mounting rails.
Nuts	MU 6, MU 10, MU 16	All products and all material and surface treatment options. MU 6 -nut is allowed only in tip attachments, not in supports.
Screw sets	RS1, RS2, RS3, RS4, RS KSF, RS SSU, RS VK2, RS MEK J 10	All products and all material and surface treatment options.
Separation plates	AP, SR	All products and all material and surface treatment options.
Sliding nut	SMT	All material and surface treatment options.
T pieces	RT	All surface treatment options. Maximum allowed width is 500 mm. T pieces must be supported at no further than 300 mm from each joint.
Threaded rods	GT-6, GT-10, GT-16	All products and all material and surface treatment options. GT-6 threaded rod is allowed only in tip attachments, not in supports. Fire-rated fastening equipment is required when using threaded rods.
Wall supports	VK, VKF, VKZ, VKZ-N	All products and all material and surface treatment options. VKZ and VKZ-N must always be supported with a threaded rod from the support's tip to the ceiling. VK and VKF may be attached to the wall directly with fire-rated fastening equipment, without the need for the tip to be attached. When a support is attached from the tip, the support must be wider than the cable tray. Maximum allowed widths without tip-support are: VKF 600 mm and VK 500 mm. With a tip-support 100 mm wider wall support is accepted.



Tip attachment E90



Tip attachment is required to achieve the E90 fire rating, if wall support VK or VKF is attached with a sliding nut SMT to a mounting rail AS. In this case, a support that is wider than the cable tray is required in order to attach the M6 threaded rod to the outermost hole.

The tip attachment is not required to achieve the E90 fire rating, if wall support VK or VKF are attached together through a ceiling support TP2 with a bolt.



Wall support E90



In an E90 fire rating compliant installation, VK and VKF may be attached to the wall directly with fire-rated fastening equipment, without the need for the tip to be attached.

Potential equalisation

IEC 61537



Gate support E90

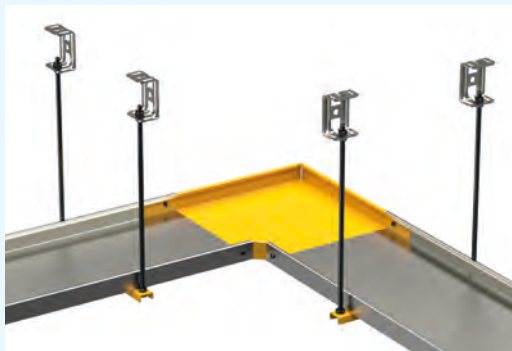


In E90 fire rating compliant gate supports, intermediate support RMK must be installed with two threaded rods. Threaded rod GT-10 is attached to the intermediate support with two MU M10 nuts.

RMK-40-100 and RMK-60-100 can be used only in an E60 compliant installations by attaching them by one threaded rod GT-10. In that case the maximum support interval is 1.25 m and the maximum loading is 5 kg/m.



Installation of a corner E90



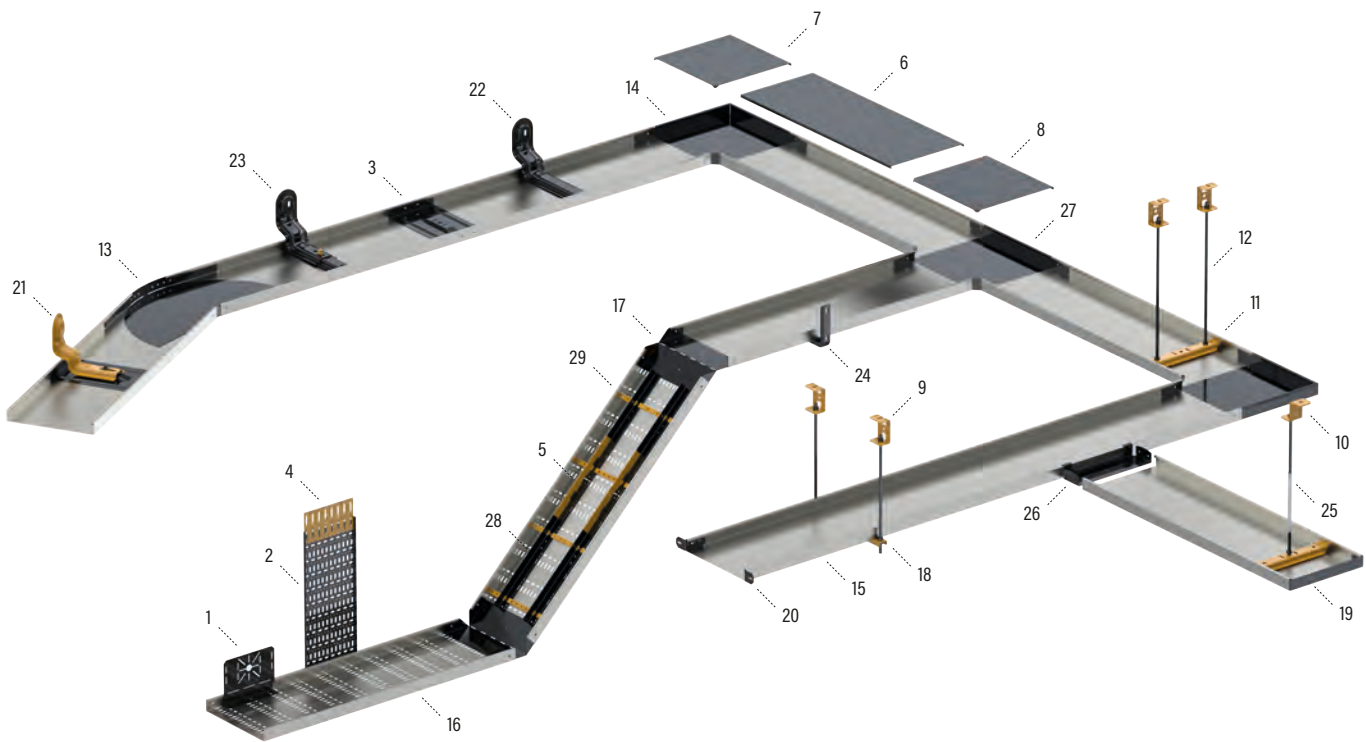
In an E90 fire rating compliant corner installation, corner piece RS90 must be supported at no further than 300 mm from both joints. Support can be done with gate support PRT. Gate support PRT must be attached to the ceiling with two threaded rods.

PRODUCT	IMPEDANCE mΩ/m
KRA-100 M/PG	≤0,86
KRA-200 M/PG	≤0,86
KRA-300 M/PG	≤0,30
KRA-400 M/PG	≤0,30
KRA-500 M/PG	≤0,14
KRA-600 M/PG	≤0,14
KRB-300 M/PG	≤0,38
KRB-400 M/PG	≤0,38
KRB-500 M/PG	≤0,38
KRB-600 M/PG	≤0,38
KRC-100 M/PG	≤1,54
KRC-150 M/PG	≤1,10
KRC-200 M/PG	≤0,70
KRC-250 M/PG	≤0,70
KRC-300 M/PG	≤0,70
KRC-400 M/PG	≤0,70

PRODUCT + JOINT measured 50mm from the joint	IMPEDANCE mΩ
KRA-100 M/PG + RSS PG	≤0,63
KRA-100 M/PG + RVS PG	≤1,09
KRA-200 M/PG + RSS PG	≤0,63
KRA-200 M/PG + RVS PG	≤1,09
KRA-300 M/PG + RSS PG	≤0,36
KRA-300 M/PG + RVS PG	≤0,96
KRA-400 M/PG + RSS PG	≤0,36
KRA-400 M/PG + RVS PG	≤0,96
KRA-500 M/PG + RSS PG	≤0,23
KRA-500 M/PG + RVS PG	≤0,59
KRA-600 M/PG + RSS PG	≤0,23
KRA-600 M/PG + RVS PG	≤0,59
KRB M/PG + RSS PG	≤0,32
KRB M/PG + RVS PG	≤1,14
KRC-100 PG + KRC J-100 PG	≤0,41
KRC-150 PG + KRC J-150 PG	≤0,30
KRC-200 PG + KRC J-200 PG	≤0,24

The joints in the following chart create a sufficient electrical joint, which eliminates the need to install a separate grounding wire between the trays.

KR system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Mounting plate	RDP	(M) (PG)	2-30
2	Low-voltage tray	KRC	(PG)	2-11
3	Joint	RSS	(M) (PG)	2-26
4	Joint	KRC J	(PG)	2-25
5	Joint	APJ	(M) (PG)	2-31
6	Cover	KRL	(M) (PG)	2-32
7	Cover	KRL-RS90	(M) (PG)	2-33
8	Cover	KRL-RT	(M) (PG)	2-34
9	Ceiling bracket	RTF-10	(M) (PG)	2-29
10	Ceiling bracket	RTF-Z	(M) (HDG)	2-29
11	Intermediate support	RMK 10	(M) (PG)	2-18
12	Threaded rod	GT-10	(EG) (HDG) (HST)	2-35
13	Adjustable corner piece	SRS	(M) (PG)	2-13
14	Corner piece	RS90	(M) (PG)	2-12
15	Cable tray	KRA	(M) (PG)	2-8
16	Cable tray	KRB	(M) (PG)	2-9
17	Elbow joint	RVS	(M) (PG)	2-27
18	Gate support	PRT	(PG)	2-17
19	End plate	P KRA	(M) (PG)	2-24

NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
20	End bracket	RÄF	(M) (PG)	2-25
21	Wall support	K	(M) (PG)	2-23
22	Wall support	RVK	(M) (EG) (PG)	2-20
23	Wall support	SVK	(M) (PG)	2-21
24	Wall support	YPK	(M) (EG) (PG)	2-22
25	Protective sleeve	SS		2-35
26	T-branch bracket	TKU	(M) (PG)	2-15
27	T-piece	RT	(M) (PG)	2-14
28	Separation plate	AP	(M) (PG)	2-31
29	Separation plate support	APT	(PG)	2-32

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanized steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanized steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanized after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

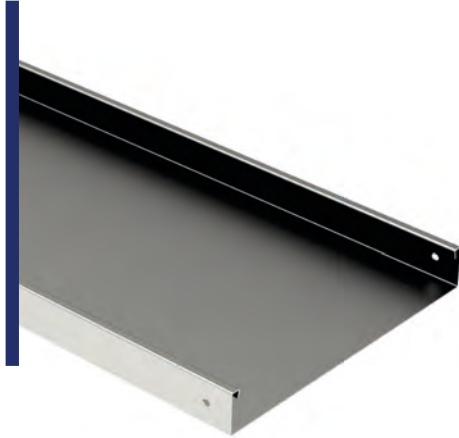


Cable tray KRA



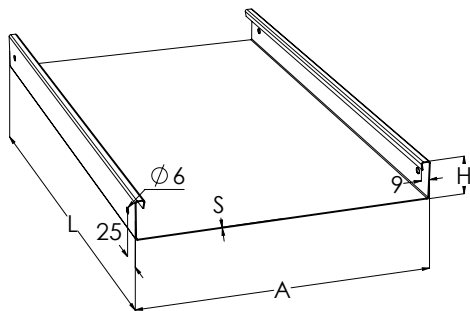
Cable trays, non-perforated, are used in places where cables have to be totally invisible and protected underneath. KRA-type trays are typically used in office- and commercial buildings, schools, hospitals and shopping centres, but also in warehouses, parking halls and industrial buildings.

To extend KRA cable trays joints RSS can be used. Joints RSS-40-100...500 have a special forming that allow to fasten these directly to wall or ceiling supports.



CODE	PRODUCT x = stock product	WGT. kg / PC	A mm	H mm	L mm	S mm	PACKAGE
1431231	x KRA-40-100 L=3000 M	3.66	100	40	3000	0.75	20 PCE / 60 MTR
1431232	x KRA-40-200 L=3000 M	5.43	200	40	3000	0.75	20 PCE / 60 MTR
1431233	x KRA-40-300 L=3000 M	9.59	300	40	3000	1	20 PCE / 60 MTR
1431234	KRA-40-400 L=3000 M	14.94	400	40	3000	1.25	20 PCE / 60 MTR
1431235	x KRA-40-500 L=3000 M	17.91	500	40	3000	1.25	20 PCE / 60 MTR
1431236	KRA-40-600 L=3000 M	20.86	600	40	3000	1.25	20 PCE / 60 MTR
1432021	KRA-60-100 L=3000 M	4.35	100	60	3000	0.75	20 PCE / 60 MTR
1432022	KRA-60-200 L=3000 M	6.12	200	60	3000	0.75	20 PCE / 60 MTR
1432023	KRA-60-300 L=3000 M	10.53	300	60	3000	1	20 PCE / 60 MTR
1432024	KRA-60-400 L=3000 M	15.86	400	60	3000	1.25	20 PCE / 60 MTR
1432025	KRA-60-500 L=3000 M	19.09	500	60	3000	1.25	20 PCE / 60 MTR
1432026	KRA-60-600 L=3000 M	22.04	600	60	3000	1.25	20 PCE / 60 MTR

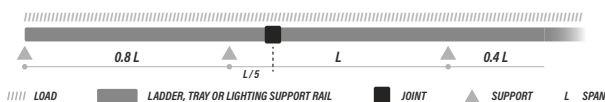
M White RAL 9010 polyester paint coating : C1-C2
White painted cable trays are delivered with a protective plastic film.



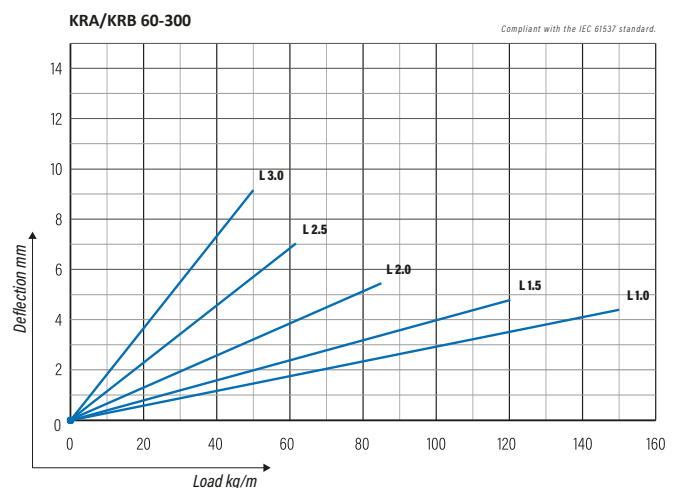
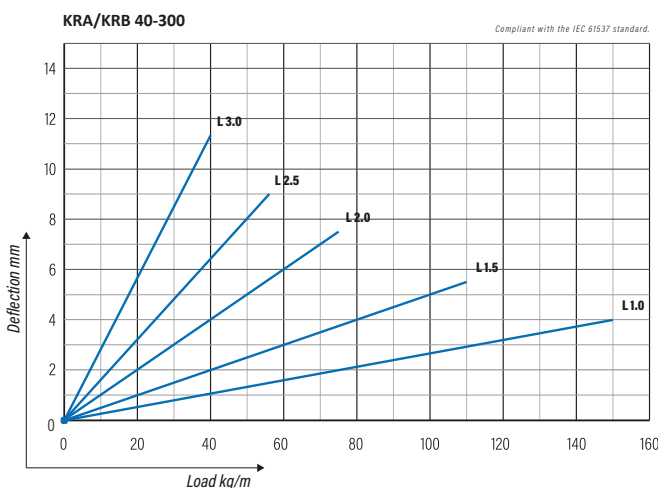
CODE	PRODUCT x = stock product	WGT. kg / PC	A mm	H mm	L mm	S mm	PACKAGE
1431211	x KRA-40-100 L=3000 PG	3.62	100	40	3000	0.75	20 PCE / 60 MTR
1431212	x KRA-40-200 L=3000 PG	5.38	200	40	3000	0.75	20 PCE / 60 MTR
1431213	x KRA-40-300 L=3000 PG	9.49	300	40	3000	1	20 PCE / 60 MTR
1431214	KRA-40-400 L=3000 PG	14.79	400	40	3000	1.25	20 PCE / 60 MTR
1431215	x KRA-40-500 L=3000 PG	17.73	500	40	3000	1.25	20 PCE / 60 MTR
1431216	KRA-40-600 L=3000 PG	20.66	600	40	3000	1.25	20 PCE / 60 MTR
1432001	KRA-60-100 L=3000 PG	4.31	100	60	3000	0.75	20 PCE / 60 MTR
1432002	KRA-60-200 L=3000 PG	6.06	200	60	3000	0.75	20 PCE / 60 MTR
1432003	KRA-60-300 L=3000 PG	10.43	300	60	3000	1	20 PCE / 60 MTR
1432004	KRA-60-400 L=3000 PG	15.71	400	60	3000	1.25	20 PCE / 60 MTR
1432005	KRA-60-500 L=3000 PG	18.9	500	60	3000	1.25	20 PCE / 60 MTR
1432006	KRA-60-600 L=3000 PG	21.82	600	60	3000	1.25	20 PCE / 60 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

The products KRA-60-100...600 L=3000 are available by order in the atmospheric-corrosivity category C4.



Load test results for all widths are available on pages 2-10.

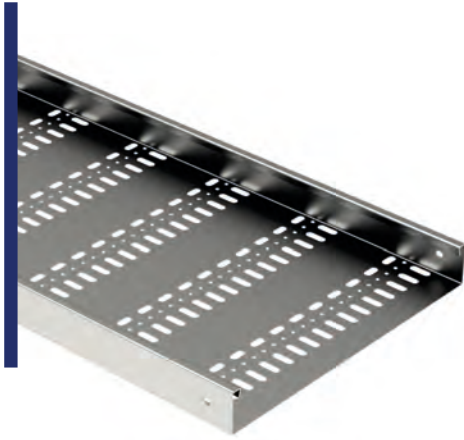


Cable tray KRB



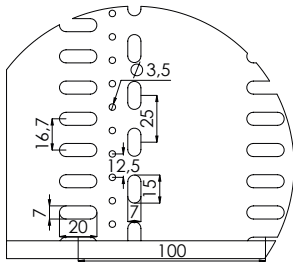
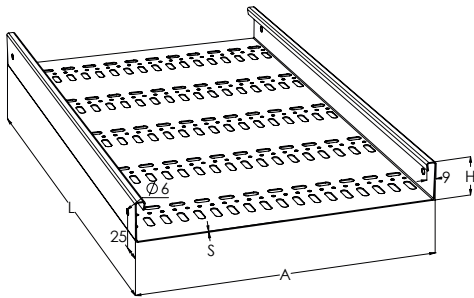
Perforated cable trays are used in places where cables have to be protected underneath. Perforation enhances airflow and cools the cables installed on the tray. KRB-type trays are typically used in office- and commercial buildings, schools, hospitals and shopping centres but also in warehouses, parking halls and industrial buildings.

To extend KRB cable trays joints RSS can be used. Joints RSS-40-100...500 have a special forming that allow to fasten these directly to wall or ceiling supports.



CODE	PRODUCT x = stock product	WGT. kg / PC	A mm	H mm	L mm	S mm	PACKAGE
1431271	KRB-40-100 L=3000 M	3.37	100	40	3000	0.75	20 PCE / 60 MTR
1431272	KRB-40-200 L=3000 M	4.89	200	40	3000	0.75	20 PCE / 60 MTR
1431273	KRB-40-300 L=3000 M	8.54	300	40	3000	1	20 PCE / 60 MTR
1431274	KRB-40-400 L=3000 M	13.21	400	40	3000	1.25	10 PCE / 30 MTR
1431275	KRB-40-500 L=3000 M	15.75	500	40	3000	1.25	10 PCE / 30 MTR
1431276	KRB-40-600 L=3000 M	18.28	600	40	3000	1.25	10 PCE / 30 MTR
1432101	KRB-60-100 L=3000 M	4.05	100	60	3000	0.75	20 PCE / 60 MTR
1432102	KRB-60-200 L=3000 M	5.55	200	60	3000	0.75	20 PCE / 60 MTR
1432103	KRB-60-300 L=3000 M	9.38	300	60	3000	1	20 PCE / 60 MTR
1432104	KRB-60-400 L=3000 M	14.19	400	60	3000	1.25	10 PCE / 30 MTR
1432105	KRB-60-500 L=3000 M	16.71	500	60	3000	1.25	10 PCE / 30 MTR
1432106	KRB-60-600 L=3000 M	19.22	600	60	3000	1.25	10 PCE / 30 MTR

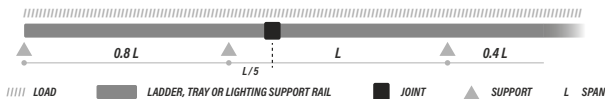
M White RAL 9010 polyester paint coating : C1-C2
White painted cable trays are delivered with a protective plastic film.



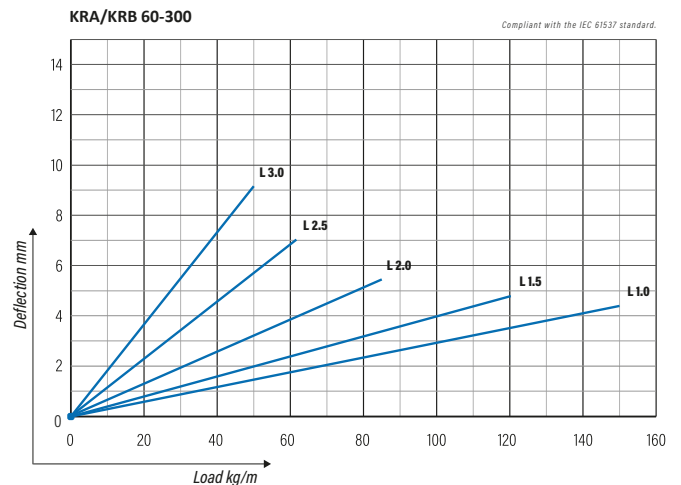
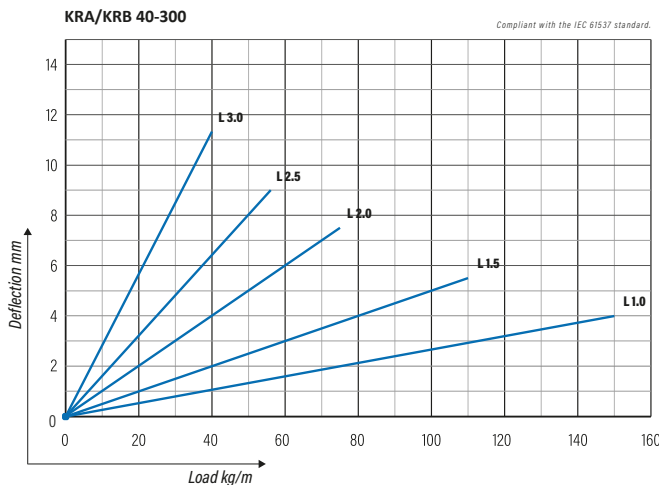
CODE	PRODUCT x = stock product	WGT. kg / PC	A mm	H mm	L mm	S mm	PACKAGE
1431251	KRB-40-100 L=3000 PG	3.34	100	40	3000	0.75	20 PCE / 60 MTR
1431252	KRB-40-200 L=3000 PG	4.85	200	40	3000	0.75	20 PCE / 60 MTR
1431253	KRB-40-300 L=3000 PG	8.45	300	40	3000	1	20 PCE / 60 MTR
1431254	KRB-40-400 L=3000 PG	13.08	400	40	3000	1.25	10 PCE / 30 MTR
1431255	KRB-40-500 L=3000 PG	15.59	500	40	3000	1.25	10 PCE / 30 MTR
1431256	KRB-40-600 L=3000 PG	18.1	600	40	3000	1.25	10 PCE / 30 MTR
1432081	KRB-60-100 L=3000 PG	4.01	100	60	3000	0.75	20 PCE / 60 MTR
1432082	KRB-60-200 L=3000 PG	5.5	200	60	3000	0.75	20 PCE / 60 MTR
1432083	KRB-60-300 L=3000 PG	9.29	300	60	3000	1	20 PCE / 60 MTR
1432084	KRB-60-400 L=3000 PG	14.05	400	60	3000	1.25	10 PCE / 30 MTR
1432085	KRB-60-500 L=3000 PG	16.54	500	60	3000	1.25	10 PCE / 30 MTR
1432086	KRB-60-600 L=3000 PG	19.03	600	60	3000	1.25	10 PCE / 30 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

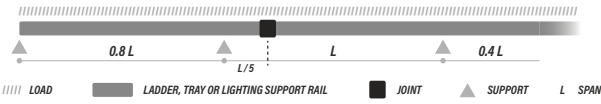
The products KRB-60-100...600 L=3000 are available by order in the atmospheric-corrosivity category C4.



Load test results for all widths are available on pages 2-10.

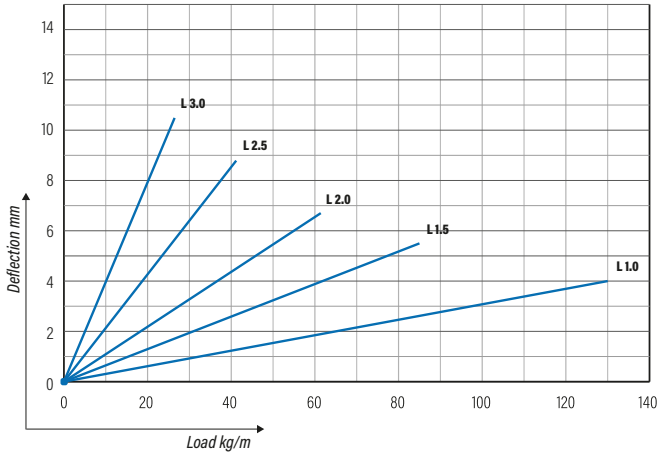


Cable tray load bearing capacity



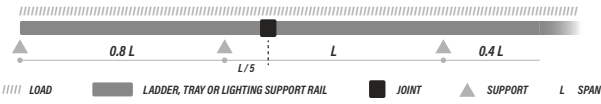
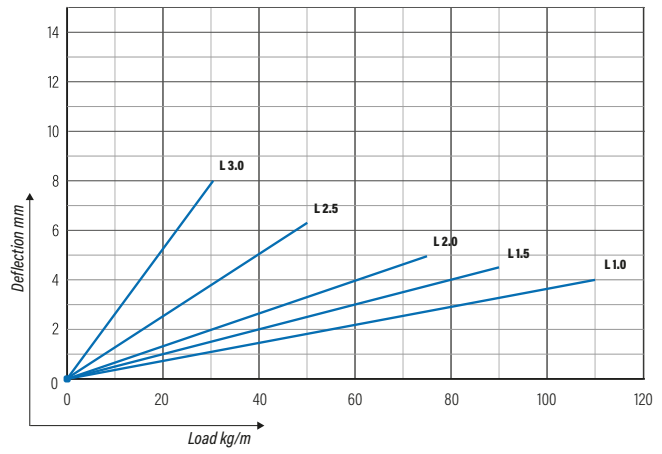
KRA/KRB 40 | WIDTHS 100, 200

Compliant with the IEC 61537 standard.



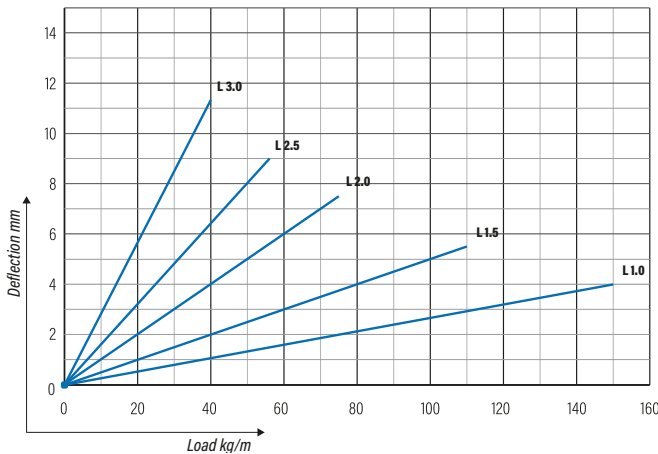
KRA/KRB 60 | WIDTHS 100, 200

Compliant with the IEC 61537 standard.



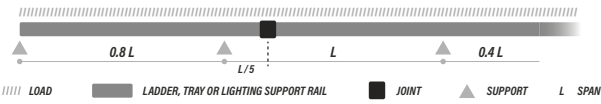
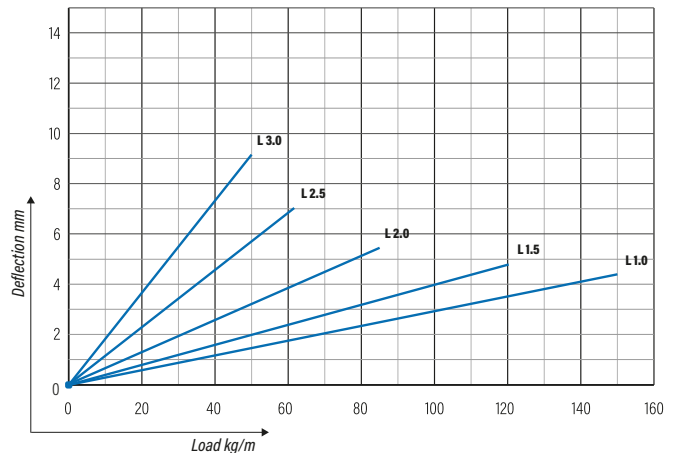
KRA/KRB 40-300

Compliant with the IEC 61537 standard.



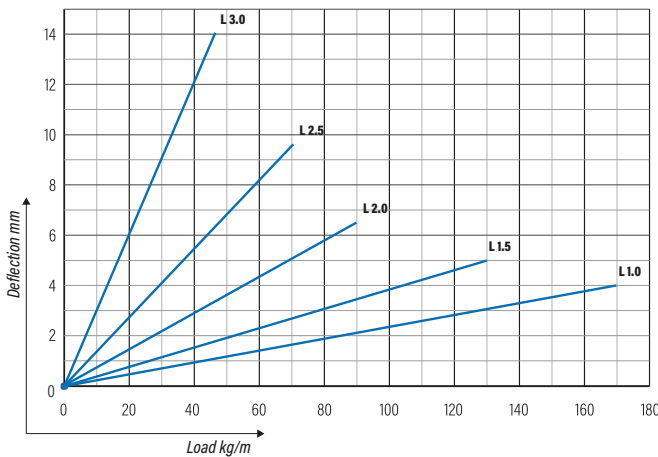
KRA/KRB 60-300

Compliant with the IEC 61537 standard.



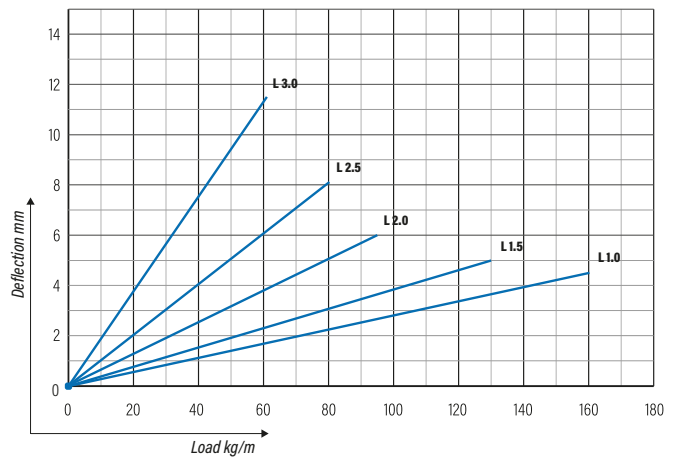
KRA/KRB 40 | WIDTHS 400, 500, 600

Compliant with the IEC 61537 standard.



KRA/KRB 60 | WIDTHS 400, 500, 600

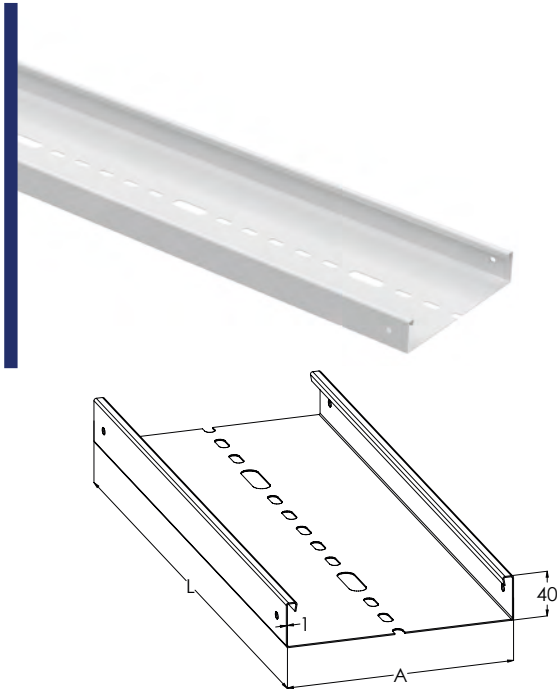
Compliant with the IEC 61537 standard.



Lighting support rail KRV



Lighting support rails KRV are tray-type rails for installation of luminaries, cables and other devices. KRV lighting support rails have one perforation line in the middle of bottom for lead-through of cables. 100 and 200 mm wide trays are compatible with accessories of KRA and KRB trays.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1431304	KRV-50 L=3000 M	3.54	51	3000	20 PCE / 60 MTR
1431305	KRV-100 L=3000 M	4.73	101	3000	20 PCE / 60 MTR
1431306	KRV-200 L=3000 M	7.09	201	3000	20 PCE / 60 MTR

M White RAL 9010 polyester paint coating : C1-C2
White painted cable trays are delivered with a protective plastic film.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1431300	KRV-50 L=3000 PG	3.51	51	3000	20 PCE / 60 MTR
1431301	KRV-100 L=3000 PG	4.68	101	3000	20 PCE / 60 MTR
1431302	KRV-200 L=3000 PG	7.02	201	3000	20 PCE / 60 MTR

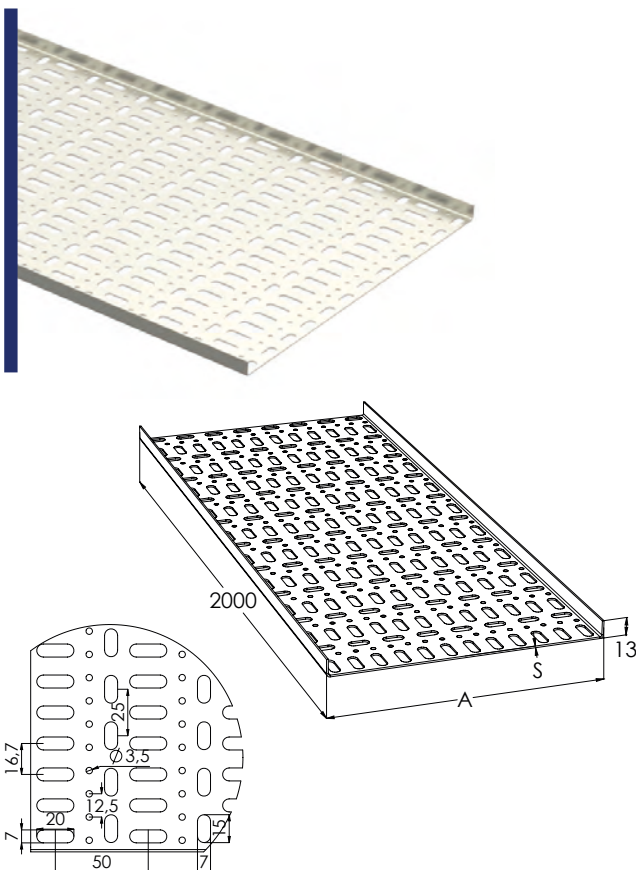
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Low-voltage tray KRC



Low-edge perforated cable trays KRC are mainly used for installation of low-voltage and optical cables.

To extend KRC cable trays joints KRC J can be used.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	S mm	PACKAGE
1431290	KRC-50 L=2000 M	0.92	50	2000	1	10 PCE / 20 MTR
1431291	KRC-100 L=2000 M	1.5	100	2000	1	10 PCE / 20 MTR
1431292	KRC-150 L=2000 M	2.08	150	2000	1	10 PCE / 20 MTR
1431293	KRC-200 L=2000 M	2.65	200	2000	1.25	10 PCE / 20 MTR
1431294	KRC-250 L=2000 M	4.02	250	2000	1.25	10 PCE / 20 MTR
1431295	KRC-300 L=2000 M	4.74	300	2000	1.25	10 PCE / 20 MTR
1431296	KRC-400 L=2000 M	6.18	400	2000	1.25	10 PCE / 20 MTR

M White RAL 9010 polyester paint coating : C1-C2
White painted cable trays are delivered with a protective plastic film.

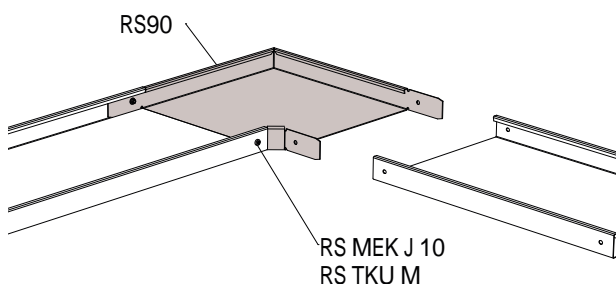
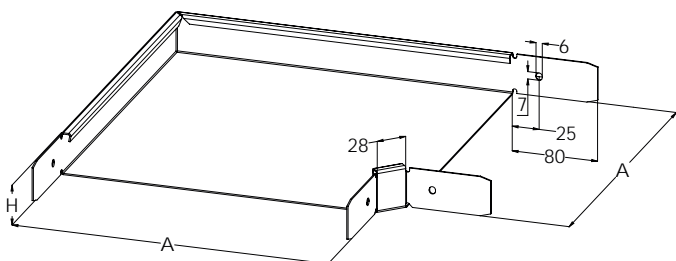
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	S mm	PACKAGE
1431280	x KRC-50 L=2000 PG	0.91	50	2000	1	10 PCE / 20 MTR
1431281	x KRC-100 L=2000 PG	1.48	100	2000	1	10 PCE / 20 MTR
1431282	x KRC-150 L=2000 PG	2.05	150	2000	1	10 PCE / 20 MTR
1431283	x KRC-200 L=2000 PG	2.63	200	2000	1.25	10 PCE / 20 MTR
1431284	KRC-250 L=2000 PG	3.98	250	2000	1.25	10 PCE / 20 MTR
1431285	KRC-300 L=2000 PG	4.69	300	2000	1.25	10 PCE / 20 MTR
1431286	KRC-400 L=2000 PG	6.12	400	2000	1.25	10 PCE / 20 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Corner piece RS90



Corner pieces RS90 are used to make a 90° angles for KR-type cable trays. Jointing of RS90 corners to cable trays is fast and easy, because corners have joint slats already at place. Product set includes bolts and nuts for fastening.



The corner piece RS90 is pushed inside the cable tray and attached with the included screw set.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431321	RS90-40-100 M	0.23	98	40	2 PCE
1431322	x RS90-40-200 M	0.65	198	40	2 PCE
1431323	x RS90-40-300 M	1.44	298	40	2 PCE
1431324	RS90-40-400 M	2.26	398	40	2 PCE
1431325	x RS90-40-500 M	3.29	498	40	2 PCE
1431326	RS90-40-600 M	4.51	598	40	2 PCE
1432171	RS90-60-100 M	0.3	98	60	2 PCE
1432172	RS90-60-200 M	0.78	198	60	2 PCE
1432173	RS90-60-300 M	1.63	298	60	2 PCE
1432174	RS90-60-400 M	2.5	398	60	2 PCE
1432175	RS90-60-500 M	3.56	498	60	2 PCE
1432176	RS90-60-600 M	4.82	598	60	2 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (5 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431311	RS90-40-100 PG	0.23	98	40	2 PCE
1431312	RS90-40-200 PG	0.65	198	40	2 PCE
1431313	RS90-40-300 PG	1.43	298	40	2 PCE
1431314	RS90-40-400 PG	2.24	398	40	2 PCE
1431315	RS90-40-500 PG	3.26	498	40	2 PCE
1431316	RS90-40-600 PG	4.46	598	40	2 PCE
1432161	RS90-60-100 PG	0.3	98	60	2 PCE
1432162	RS90-60-200 PG	0.77	198	60	2 PCE
1432163	RS90-60-300 PG	1.62	298	60	2 PCE
1432164	RS90-60-400 PG	2.47	398	60	2 PCE
1432165	RS90-60-500 PG	3.52	498	60	2 PCE
1432166	RS90-60-600 PG	4.77	598	60	2 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

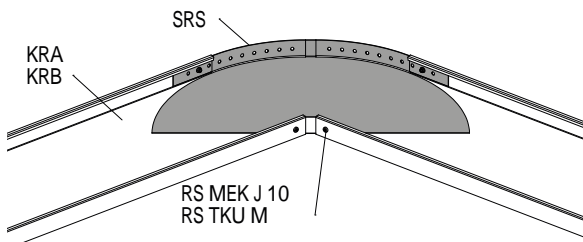
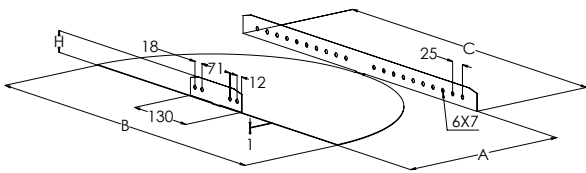
Product includes screw set: 1449108 RS MEK J 10 EG (5 PCE)

The products RS90-60-100...600 are available by order in the atmospheric-corrosivity category C4.

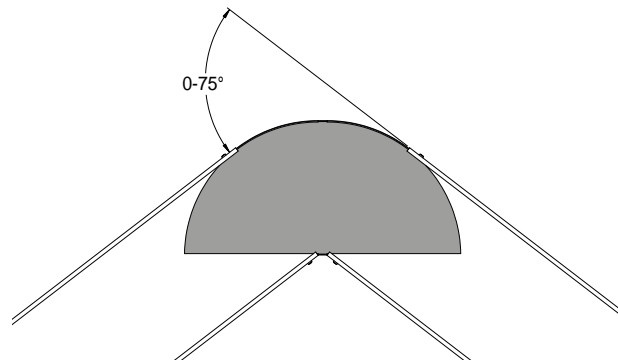
Adjustable corner piece SRS



Adjustable corners SRS are used to make 0-75° horizontal angles for KR-type cable trays. Jointing of SRS corners to cable trays is fast and easy, because corners have joint slats already at place. Product set includes bolts and nuts for fastening.



The adjustable corner piece SRS is pushed inside the cable tray and attached with the included screw set.



The range for adjustable corner piece SRS is 0-75°.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	C mm	H mm	PACKAGE
1431341	SRS-40-100 M	0.23	97	210	276	38	2 PCE
1431342	SRS-40-200 M	0.64	197	410	437	38	2 PCE
1431343	SRS-40-300 M	1.3	297	610	594	38	2 PCE
1431344	SRS-40-400 M	2.21	397	810	753	38	2 PCE
1431345	SRS-40-500 M	3.38	497	1010	909	38	2 PCE
1431346	SRS-40-600 M	4.79	597	1210	1065	38	2 PCE
1432231	SRS-60-100 M	0.29	97	210	276	57	2 PCE
1432232	SRS-60-200 M	0.72	197	410	437	57	2 PCE
1432233	SRS-60-300 M	1.4	297	610	594	57	2 PCE
1432234	SRS-60-400 M	2.33	397	810	753	57	2 PCE
1432235	SRS-60-500 M	3.51	497	1010	909	57	2 PCE
1432236	SRS-60-600 M	4.93	597	1210	1065	57	2 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (5 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	C mm	H mm	PACKAGE
1431331	SRS-40-100 PG	0.22	97	210	276	38	2 PCE
1431332	SRS-40-200 PG	0.64	197	410	437	38	2 PCE
1431333	SRS-40-300 PG	1.29	297	610	594	38	2 PCE
1431334	SRS-40-400 PG	2.19	397	810	753	38	2 PCE
1431335	SRS-40-500 PG	3.34	497	1010	909	38	2 PCE
1431336	SRS-40-600 PG	4.74	597	1210	1065	38	2 PCE
1432221	SRS-60-100 PG	0.29	97	210	276	57	2 PCE
1432222	SRS-60-200 PG	0.72	197	410	437	57	2 PCE
1432223	SRS-60-300 PG	1.39	297	610	594	57	2 PCE
1432224	SRS-60-400 PG	2.31	397	810	753	57	2 PCE
1432225	SRS-60-500 PG	3.47	497	1010	909	57	2 PCE
1432226	SRS-60-600 PG	4.88	597	1210	1065	57	2 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (5 PCE)

The products SRS-60-100...600 are available by order in the atmospheric-corrosivity category C4.



Up-to-date and comprehensive product information, test results and example installations are available on our website.

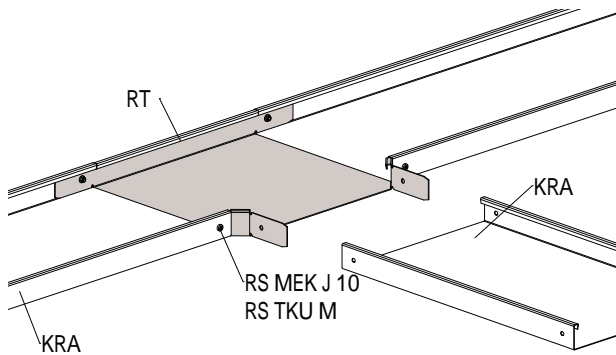
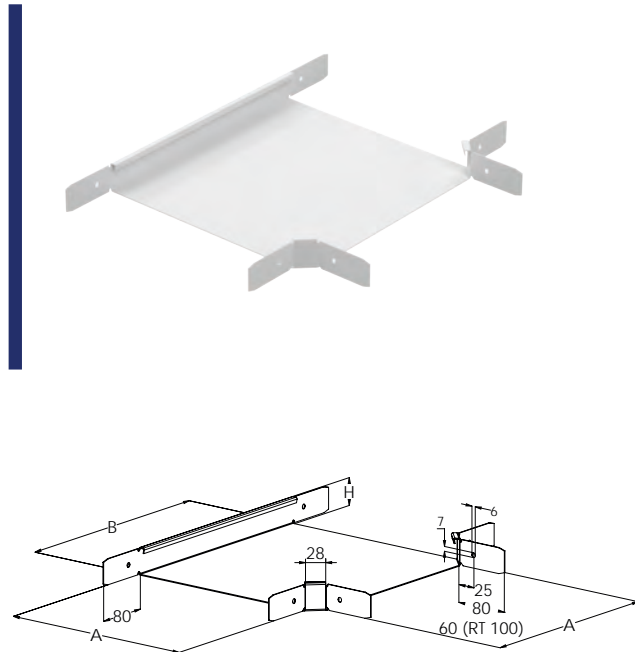
www.meka.eu

T-piece RT



T-pieces RT are used to make T-junctions for KR-type cable trays. Jointing of RT to cable trays is fast and easy, because T-pieces have joint slats already at place.

Product set includes bolts and nuts for fastening.



The T-piece RT is pushed inside the cable tray and attached with the included screw set.

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	H mm	PACKAGE
1431361	RT-40-100 M	0.32	98	138	40	2 PCE
1431362	RT-40-200 M	0.82	198	238	40	2 PCE
1431363	x RT-40-300 M	1.43	298	338	40	2 PCE
1431364	RT-40-400 M	2.22	398	438	40	2 PCE
1431365	x RT-40-500 M	3.21	498	538	40	2 PCE
1431366	RT-40-600 M	4.4	598	638	40	2 PCE
1432291	RT-60-100 M	0.43	98	138	60	2 PCE
1432292	RT-60-200 M	0.97	198	238	60	2 PCE
1432293	RT-60-300 M	1.58	298	338	60	2 PCE
1432294	RT-60-400 M	2.38	398	438	60	2 PCE
1432295	RT-60-500 M	3.37	498	538	60	2 PCE
1432296	RT-60-600 M	4.56	598	638	60	2 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (10 PCE)

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	H mm	PACKAGE
1431351	RT-40-100 PG	0.32	98	138	40	2 PCE
1431352	RT-40-200 PG	0.81	198	238	40	2 PCE
1431353	RT-40-300 PG	1.41	298	338	40	2 PCE
1431354	RT-40-400 PG	2.2	398	438	40	2 PCE
1431355	RT-40-500 PG	3.18	498	538	40	2 PCE
1431356	RT-40-600 PG	4.36	598	638	40	2 PCE
1432281	RT-60-100 PG	0.43	98	138	60	2 PCE
1432282	RT-60-200 PG	0.96	198	238	60	2 PCE
1432283	RT-60-300 PG	1.56	298	338	60	2 PCE
1432284	RT-60-400 PG	2.35	398	438	60	2 PCE
1432285	RT-60-500 PG	3.34	498	538	60	2 PCE
1432286	RT-60-600 PG	4.52	598	638	60	2 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (10 PCE)

The products RT-60-100...600 are available by order in the atmospheric-corrosivity category C4.

Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu

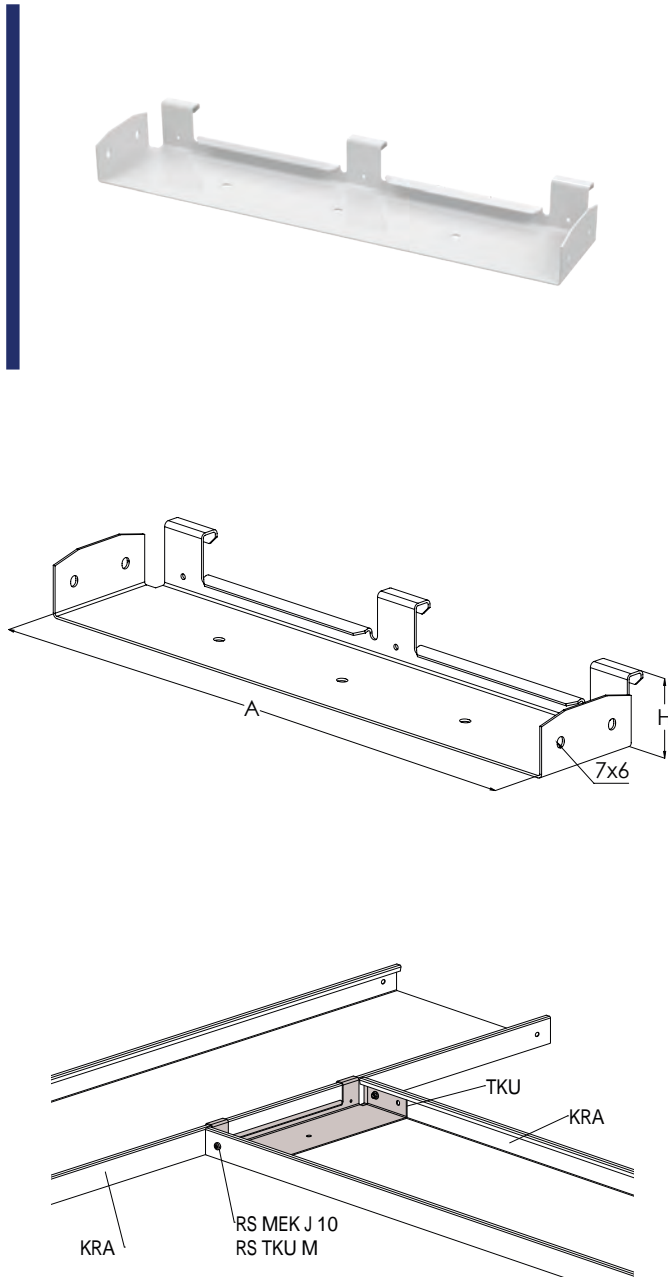


T-branch bracket TKU



T-branch brackets TKU are used to make simple T- and X-junctions and corners from the side of KR-type cable trays. After installation edges of cable trays stay at the same level and brackets are practically invisible.

Product set includes bolts and nuts for fixing T-branch brackets to one cable tray end.



The T-branch bracket TKU is pushed inside the cable tray and attached with the included screw set.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431381	TKU-40-100 M	0.18	97	41	10 PCE
1431382	x TKU-40-200 M	0.32	197	41	10 PCE
1431383	x TKU-40-300 M	0.45	297	41	10 PCE
1431384	TKU-40-400 M	0.58	397	41	10 PCE
1431385	x TKU-40-500 M	0.71	497	41	10 PCE
1431386	TKU-40-600 M	0.83	597	41	10 PCE
1432411	TKU-60-100 M	0.23	97	61	1 PCE
1432412	TKU-60-200 M	0.37	197	61	1 PCE
1432413	TKU-60-300 M	0.5	297	61	1 PCE
1432414	TKU-60-400 M	0.64	397	61	1 PCE
1432415	TKU-60-500 M	0.76	497	61	1 PCE
1432416	TKU-60-600 M	0.89	597	61	1 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (2 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431371	TKU-40-100 PG	0.18	97	41	10 PCE
1431372	x TKU-40-200 PG	0.31	197	41	10 PCE
1431373	x TKU-40-300 PG	0.43	297	41	10 PCE
1431374	TKU-40-400 PG	0.56	397	41	10 PCE
1431375	x TKU-40-500 PG	0.69	497	41	10 PCE
1431376	TKU-40-600 PG	0.81	597	41	10 PCE
1432401	TKU-60-100 PG	0.23	97	61	1 PCE
1432402	TKU-60-200 PG	0.36	197	61	1 PCE
1432403	TKU-60-300 PG	0.48	297	61	1 PCE
1432404	TKU-60-400 PG	0.62	397	61	1 PCE
1432405	TKU-60-500 PG	0.74	497	61	1 PCE
1432406	TKU-60-600 PG	0.86	597	61	1 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (2 PCE)

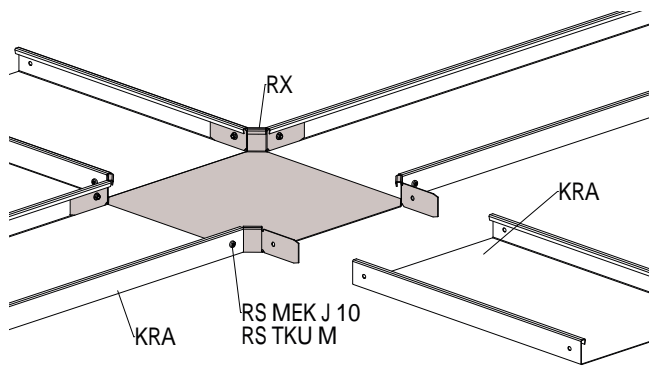
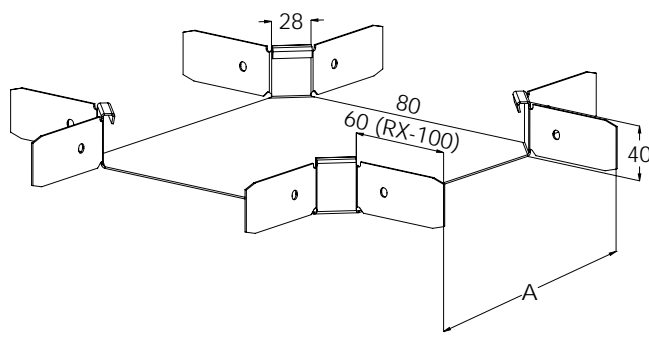
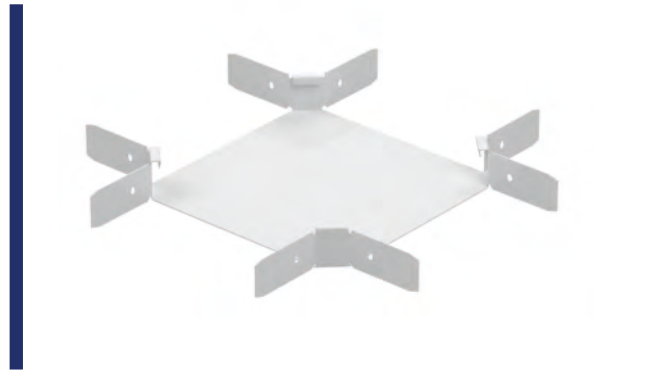
The products TKU-60-100...600 are available by order in the atmospheric-corrosivity category C4.

X-piece RX



X-pieces RX are used to make X-junctions for KR-type cable trays. Jointing of RX to cable trays is fast and easy, because X-pieces have joint slats already at place.

Product set includes bolts and nuts for fastening.



The X-piece RX is pushed inside the cable tray and attached with the included screw set.

CODE	PRODUCT <i>x = stock product</i>	WGT. kg / pc	A mm	PACKAGE
1431401	RX-40-100 M	0.32	98	2 PCE
1431402	RX-40-200 M	0.83	198	2 PCE
1431403	RX-40-300 M	1.39	298	2 PCE
1431404	RX-40-400 M	2.58	398	2 PCE
1431405	RX-40-500 M	3.1	498	2 PCE
1431406	RX-40-600 M	4.25	598	2 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (10 PCE)

CODE	PRODUCT <i>x = stock product</i>	WGT. kg / pc	A mm	PACKAGE
1431391	RX-40-100 PG	0.32	98	2 PCE
1431392	RX-40-200 PG	0.83	198	2 PCE
1431393	RX-40-300 PG	1.39	298	2 PCE
1431394	RX-40-400 PG	2.58	398	2 PCE
1431395	RX-40-500 PG	3.1	498	2 PCE
1431396	RX-40-600 PG	4.25	598	2 PCE

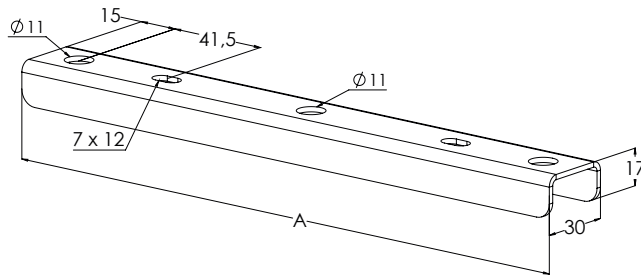
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (10 PCE)

Gate support PRT

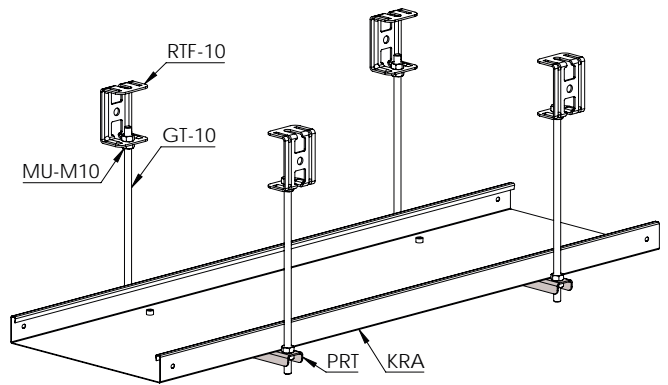


Universal gate supports PRT are used as gate or intermediate supports for mounting cable ladders, cable trays and wire mesh trays to ceiling. Depending on loading division and width of trays the mounting can be made by using one or two threaded rods GT. For fixing cable ladders to PRT supports two brackets KK are recommended to use, wire mesh trays can be fixed with WMT CL connector sets and cable trays with bolt sets RS 5, if needed.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1449970	x PRT-200 PG	0.21	250	20 PCE
1449971	x PRT-300 PG	0.3	350	20 PCE
1449972	PRT-400 PG	0.38	450	20 PCE
1449973	x PRT-500 PG	0.47	550	20 PCE
1449974	x PRT-600 PG	0.56	650	20 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2



The cable ladder is attached to gate support PRT with bracket KK. Gate support PRT is attached to threaded rod GT-10 with nuts MU M10.

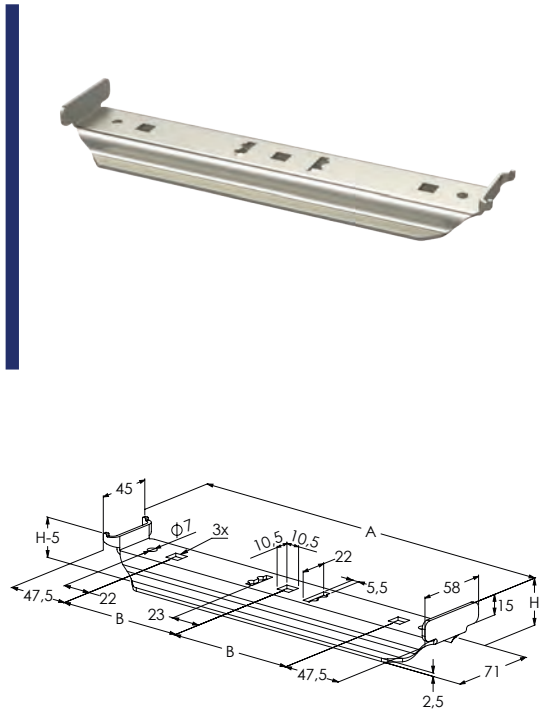


Intermediate support RMK 10

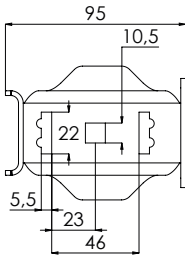


Intermediate supports RMK are used for supporting KR-type cable trays to ceiling by using threaded rods GT (one or two) or mounting rails PS. Fastening with two threaded rods (so-called gate support) is recommended for asymmetrical load of cables as well as for cable trays 400 mm and wider, especially when 8 mm threaded rods are used for hanging.

Supports RMK are placed inside of cable trays that allow a good-looking installation at places where the design is important.



RMK 100



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	H mm	LOADING max. kg	PACKAGE
1431501	RMK-40-100 10 M	0.13	95		35	200	10 PCE
1431502	RMK-40-200 10 M	0.3	195	50	35	200	10 PCE
1431503	RMK-40-300 10 M	0.48	295	100	35	200	10 PCE
1431504	RMK-40-400 10 M	0.65	395	150	35	200	10 PCE
1431505	RMK-40-500 10 M	0.83	495	200	35	180	10 PCE
1431506	RMK-40-600 10 M	1	595	250	35	180	10 PCE
1432621	RMK-60-100 10 M	0.16	95		55	200	1 PCE
1432622	RMK-60-200 10 M	0.33	195	50	55	200	1 PCE
1432623	RMK-60-300 10 M	0.5	295	100	55	200	1 PCE
1432624	RMK-60-400 10 M	0.67	395	150	55	200	1 PCE
1432625	RMK-60-500 10 M	0.84	495	200	55	180	1 PCE
1432626	RMK-60-600 10 M	1.01	595	250	55	180	1 PCE

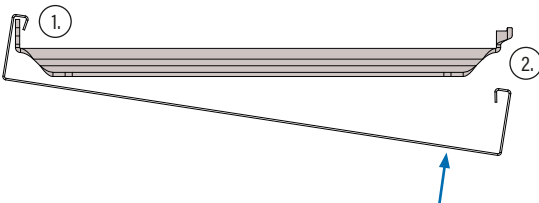
M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	H mm	LOADING max. kg	PACKAGE
1431491	x RMK-40-100 10 PG	0.13	95		35	200	10 PCE
1431492	x RMK-40-200 10 PG	0.3	195	50	35	200	10 PCE
1431493	x RMK-40-300 10 PG	0.47	295	100	35	200	10 PCE
1431494	RMK-40-400 10 PG	0.65	395	150	35	200	10 PCE
1431495	x RMK-40-500 10 PG	0.82	495	200	35	180	10 PCE
1431496	RMK-40-600 10 PG	0.99	595	250	35	180	10 PCE
1432611	RMK-60-100 10 PG	0.16	95		55	200	1 PCE
1432612	RMK-60-200 10 PG	0.32	195	50	55	200	1 PCE
1432613	RMK-60-300 10 PG	0.49	295	100	55	200	1 PCE
1432614	RMK-60-400 10 PG	0.66	395	150	55	200	1 PCE
1432615	RMK-60-500 10 PG	0.83	495	200	55	180	1 PCE
1432616	RMK-60-600 10 PG	1	595	250	55	180	1 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

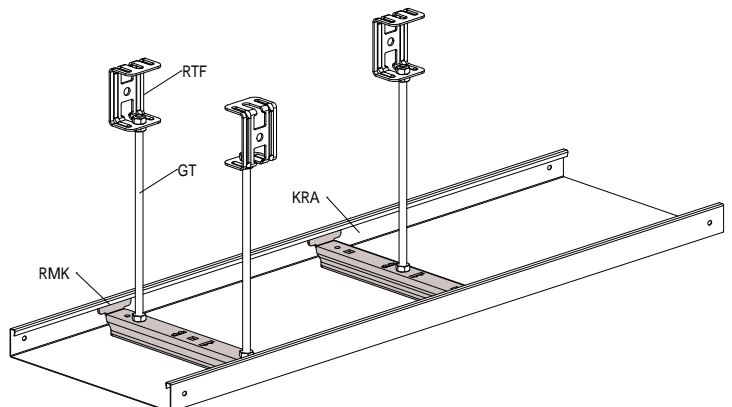


Check out the installation videos.



Attach intermediate support RMK to threaded rod GT. Then mount cable tray to intermediate support. Lift the edge of the cable tray on top of the straight end of the intermediate support. Press the other end of the cable tray in place from underneath.

The products RMK-60-100...600 10 are available by order in the atmospheric-corrosivity category C4.



Intermediate support RMK is attached to each threaded rod GT with two nuts MU. Intermediate support RMK can also be used for gate support structures.

Intermediate support RMK 16



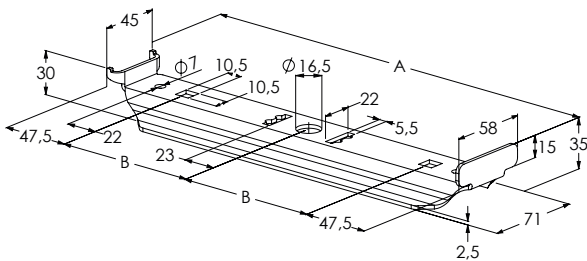
Intermediate supports RMK are used for supporting KR-type cable trays to ceiling by using threaded rods GT (one or two) or mounting rails PS. Fastening with two threaded rods (so-called gate support) is recommended for asymmetrical load of cables as well as for cable trays 400 mm and wider, especially when 8 mm threaded rods are used for hanging.

Supports RMK are placed inside of cable trays that allow a good-looking installation at places where the design is important.



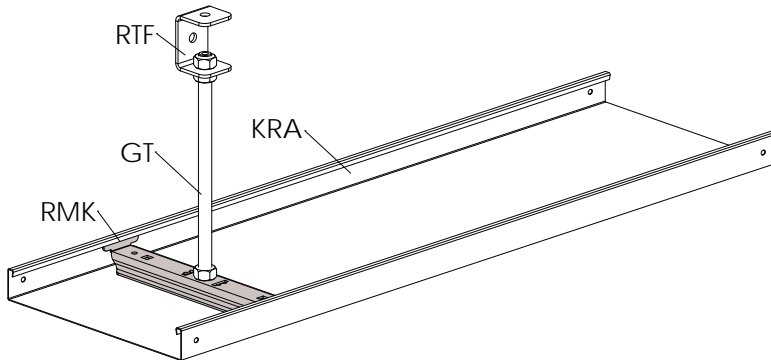
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1431522	RMK-40-200 16 M	0.3	195	50	200	10 PCE
1431523	RMK-40-300 16 M	0.48	295	100	200	10 PCE
1431524	RMK-40-400 16 M	0.65	395	150	200	10 PCE
1431525	RMK-40-500 16 M	0.83	495	200	180	10 PCE
1431526	RMK-40-600 16 M	1	595	250	180	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

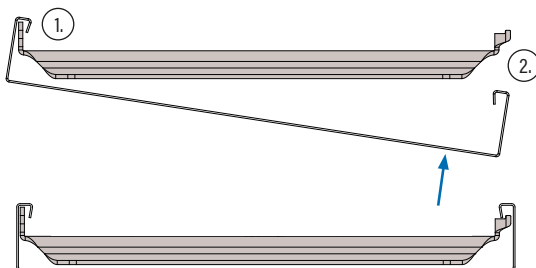


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1431512	RMK-40-200 16 PG	0.3	195	50	200	10 PCE
1431513	RMK-40-300 16 PG	0.47	295	100	200	10 PCE
1431514	RMK-40-400 16 PG	0.64	395	150	200	10 PCE
1431515	RMK-40-500 16 PG	0.82	495	200	180	10 PCE
1431516	RMK-40-600 16 PG	0.99	595	250	180	10 PCE

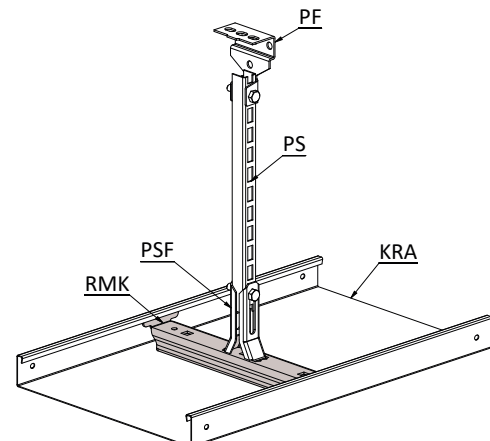
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2



Intermediate support RMK is attached to threaded rod GT with two nuts MU.



Attach intermediate support RMK to threaded rod GT. Then mount cable tray to intermediate support. Lift the edge of the cable tray on top of the straight end of the intermediate support. Press the other end of the cable tray in place from underneath.



Intermediate support RMK can be used for intermediate supporting with bracket PSF, mounting rail PS and ceiling bracket PF.

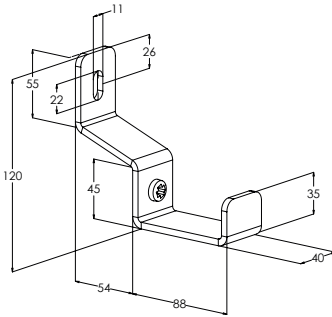
Wall support RVK



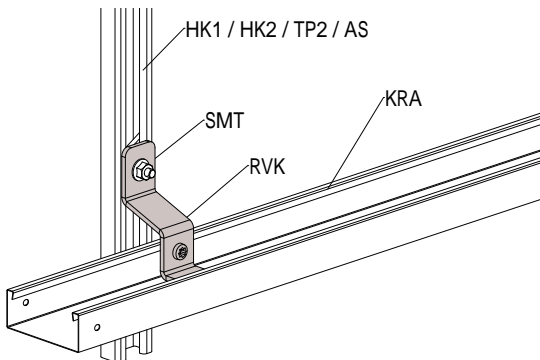
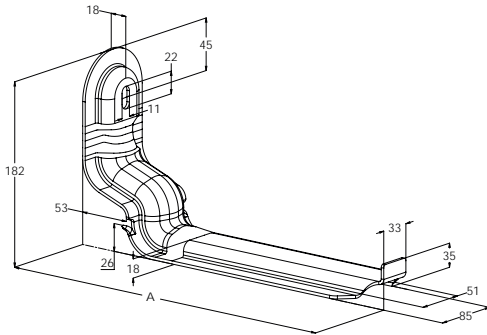
Wall supports RVK are used for mounting 40 mm height KR-type cable trays to wall, mounting rails AS, ceiling supports HK1, HK2 and TP2 from the inner side of the cable trays. Supports RVK are placed inside of cable trays that allows a good-looking installation at places where the design is important.



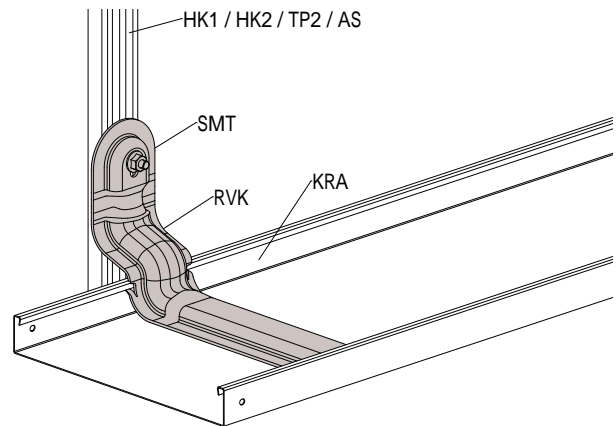
RVK 100



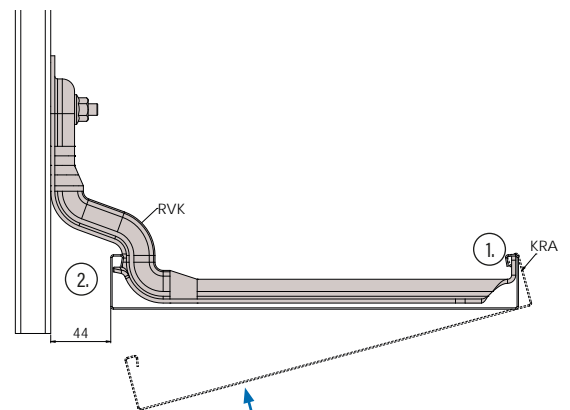
RVK 200-400



Lift the edge of the cable tray on top of the straight end of the support. Press the other end of the cable tray in place from underneath and tighten the screw to lock it in.



Wall support RVK can be attached to the wall, mounting rail AS or ceiling supports HK1, HK2 and TP2.



Lift the edge of the cable tray on top of the straight end of the support. Press the other end of the cable tray in place from underneath.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1431541	RVK-100 M	0.4	95	100	10 PCE
1431542	x RVK-200 M	0.83	195	400	10 PCE
1431543	x RVK-300 M	1.06	295	200	10 PCE
1431544	RVK-400 M	1.3	395	200	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1431531	RVK-100 EG	0.39	95	100	10 PCE

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1431532	x RVK-200 PG	0.85	195	400	10 PCE
1431533	x RVK-300 PG	1.05	295	200	10 PCE
1431534	RVK-400 PG	1.28	395	200	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Wall support SVK



Adjustable wall supports SVK are used for mounting 40 mm height KR-type cable trays to wall, mounting rails AS, ceiling supports HK1, HK2 and TP2 from the inner side of the cable trays. Supports SVK are placed inside of cable trays that allows a good-looking installation at places where the design is important. Adjusting range of SVK supports from wall is 4-45 mm.

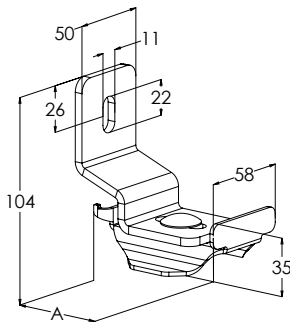


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1431561	SVK-100 M	0.44	95	100	1 PCE
1431562	x SVK-200 M	1	195	170	1 PCE
1431563	x SVK-300 M	1.26	295	170	1 PCE
1431564	SVK-400 M	1.55	395	110	1 PCE
1431565	x SVK-500 M	1.83	495	90	1 PCE
1431566	SVK-600 M	2.12	595	80	1 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1431734 RS SVK EG (1 PCE)

SVK 100

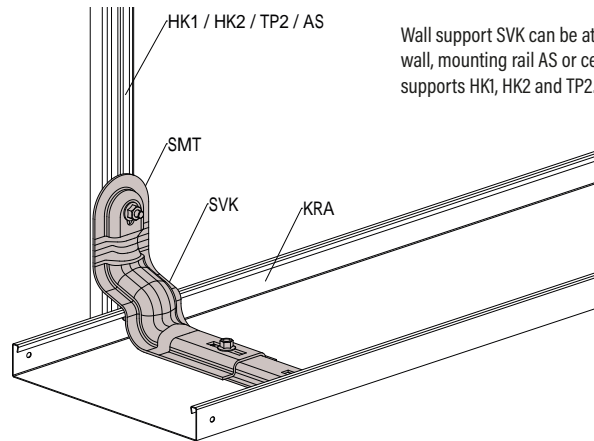
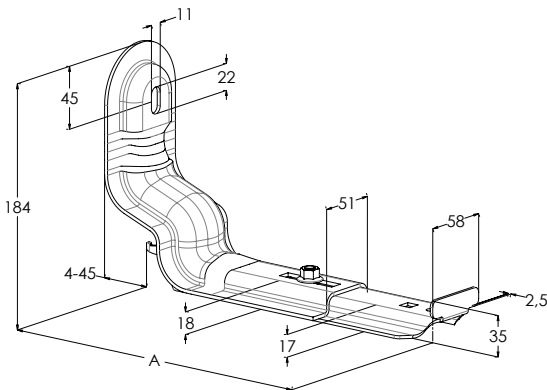


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1431551	SVK-100 PG	0.43	95	100	1 PCE
1431552	SVK-200 PG	0.99	195	170	1 PCE
1431553	x SVK-300 PG	1.25	295	170	1 PCE
1431554	SVK-400 PG	1.53	395	110	1 PCE
1431555	x SVK-500 PG	1.81	495	90	1 PCE
1431556	SVK-600 PG	2.1	595	80	1 PCE

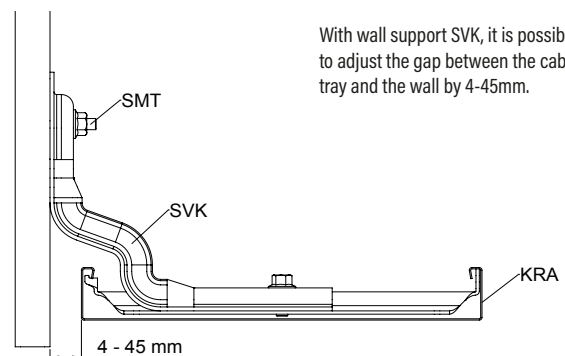
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1431734 RS SVK EG (1 PCE)

SVK 200-600



Wall support SVK can be attached to the wall, mounting rail AS or ceiling supports HK1, HK2 and TP2.



With wall support SVK, it is possible to adjust the gap between the cable tray and the wall by 4-45mm.



See the installation video.

Wall support YPK



Wall supports YPK are used for mounting wire mesh trays WMT and KR-type cable trays to wall. YPK supports are suitable especially at places with limited space under the trays.



Please note!
Fasteners are not included with the product.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1431601	YPK-100 M	0.24	149	25	75	10 PCE
1431602	YPK-200 M	0.33	249	65	75	10 PCE
1431603	YPK-300 M	0.42	349	115	75	10 PCE
1431604	YPK-400 M	1.57	453	165	200	10 PCE
1431605	YPK-500 M	1.82	553	215	200	10 PCE
1431606	YPK-600 M	2.07	653	265	200	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

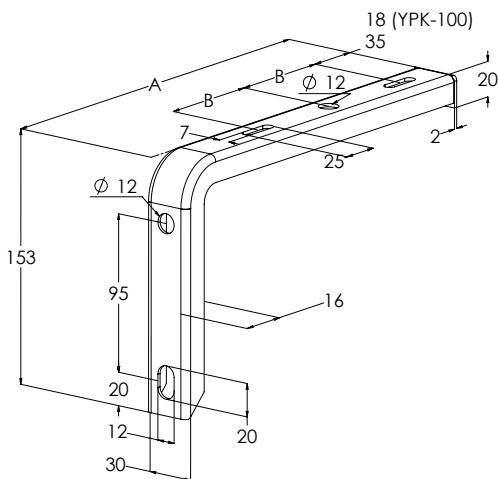
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1431591	YPK-100 PG	0.24	149	25	75	10 PCE
1431592	YPK-200 PG	0.33	249	65	75	10 PCE
1431593	YPK-300 PG	0.41	349	115	75	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

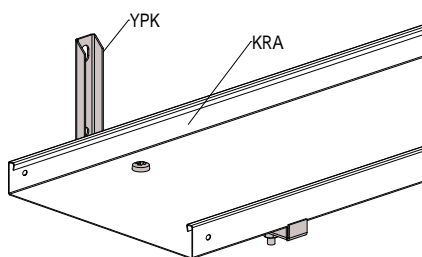
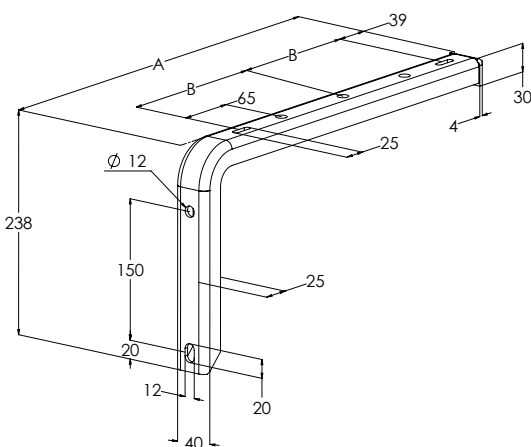
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1431594	YPK-400 EG	1.55	453	165	200	10 PCE
1431595	YPK-500 EG	1.81	553	215	200	10 PCE
1431596	YPK-600 EG	2.05	653	265	200	10 PCE

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

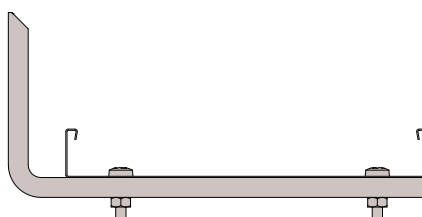
YPK 100-300



YPK 400-600



Wall support YPK is used to attach cable ladders to walls from above.



Cable trays are attached to wall support YPK with M6x30 screws and M6 nuts.

Wall support K

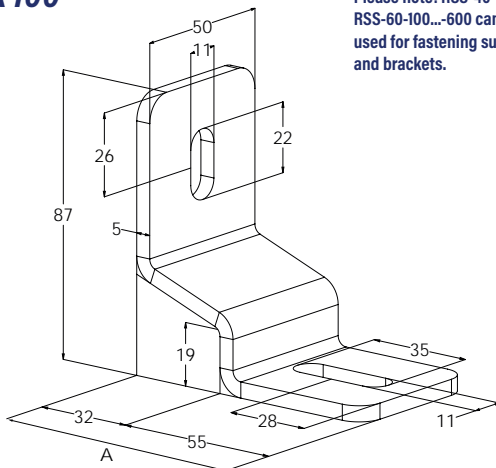


Wall supports K are used for mounting cable trays KRA-40-100...500 and KRB-40-100...500 to wall. Supports K are installed inside of cable trays by fastening them into joints RSS. Supports are invisible from downside that is needed at places where the design is important.

Product set includes bolt and nut for fastening support to joint.



K 100



Please note! RSS-40-600 and RSS-60-100...600 can not be used for fastening supports and brackets.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1431851	K-100 M	0.27	87	10 PCE
1431852	K-200 M	0.65	161	10 PCE
1431853	K-300 M	0.76	211	10 PCE
1431854	K-400 M	0.86	261	10 PCE
1431855	K-500 M	0.99	311	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1431735 RS K EG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1431841	K-100 EG	0.27	87	10 PCE

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

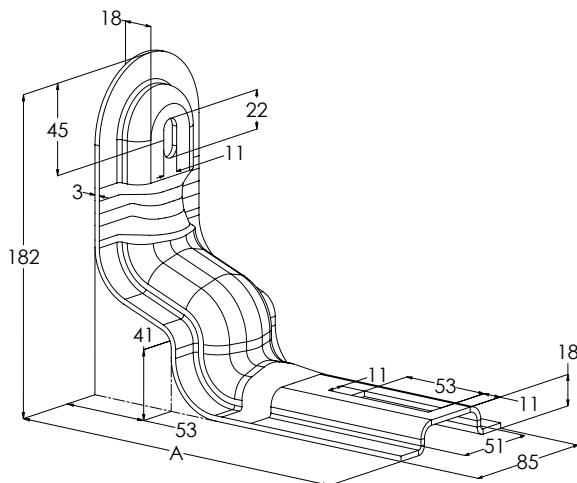
Product includes screw set: 1431735 RS K EG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1431842	K-200 PG	0.65	161	10 PCE
1431843	K-300 PG	0.75	211	10 PCE
1431844	K-400 PG	0.86	261	10 PCE
1431845	K-500 PG	0.98	311	10 PCE

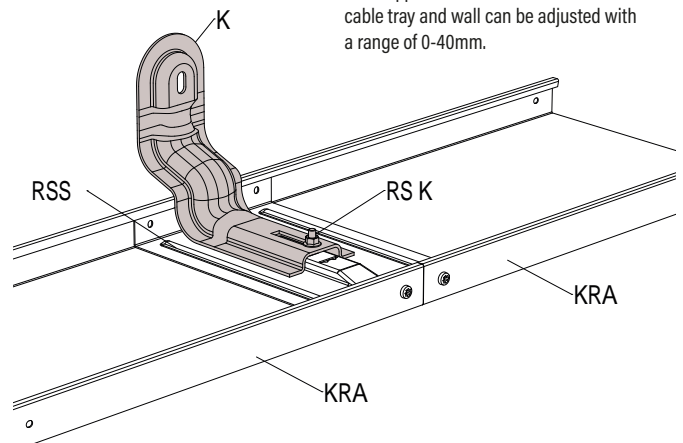
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1431735 RS K EG (1 PCE)

K 200-500



Wall support K is attached to joint RSS using the screw set included with the wall support. The distance between the cable tray and wall can be adjusted with a range of 0-40mm.



End plate P KRA



Decorative end plates P are used to finish the installation and cover ends of KR-type cable trays when the ends of trays extend beyond the walls.

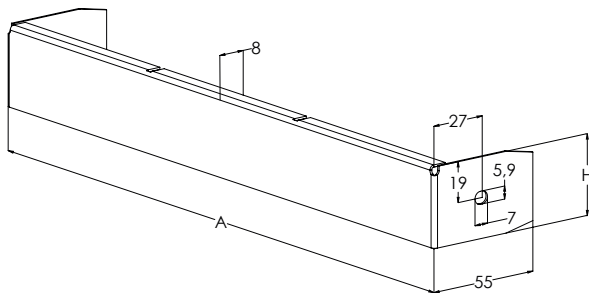
Product set includes bolts and nuts for fastening plates to trays.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	H mm	PACKAGE
1431781	P-40-100 KRA M	0.05	95	37	10 PCE
1431782	P-40-200 KRA M	0.078	195	37	10 PCE
1431783	P-40-300 KRA M	0.14	295	37	10 PCE
1431784	P-40-400 KRA M	0.22	395	37	10 PCE
1431785	P-40-500 KRA M	0.27	495	37	10 PCE
1431786	P-40-600 KRA M	0.32	595	37	10 PCE
1432681	P-60-100 KRA M	0.065	95	55	10 PCE
1432682	P-60-200 KRA M	0.11	195	55	10 PCE
1432683	P-60-300 KRA M	0.19	295	55	10 PCE
1432684	P-60-400 KRA M	0.3	395	55	10 PCE
1432685	P-60-500 KRA M	0.36	495	55	10 PCE
1432686	P-60-600 KRA M	0.42	595	55	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (2 PCE)

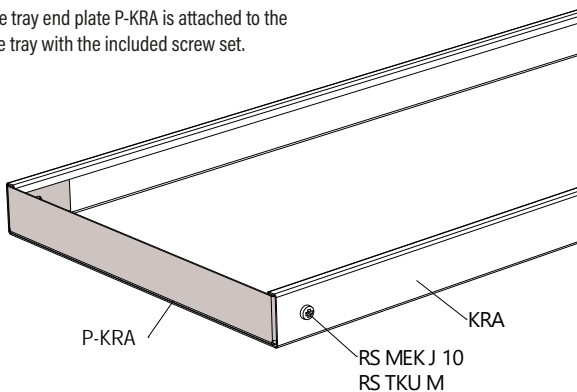


CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	H mm	PACKAGE
1431771	P-40-100 KRA PG	0.05	95	37	10 PCE
1431772	P-40-200 KRA PG	0.077	195	37	10 PCE
1431773	P-40-300 KRA PG	0.14	295	37	10 PCE
1431774	P-40-400 KRA PG	0.22	395	37	10 PCE
1431775	P-40-500 KRA PG	0.27	495	37	10 PCE
1431776	P-40-600 KRA PG	0.31	595	37	10 PCE
1432671	P-60-100 KRA PG	0.064	95	55	10 PCE
1432672	P-60-200 KRA PG	0.11	195	55	10 PCE
1432673	P-60-300 KRA PG	0.19	295	55	10 PCE
1432674	P-60-400 KRA PG	0.3	395	55	10 PCE
1432675	P-60-500 KRA PG	0.36	495	55	10 PCE
1432676	P-60-600 KRA PG	0.42	595	55	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (2 PCE)

Cable tray end plate P-KRA is attached to the cable tray with the included screw set.

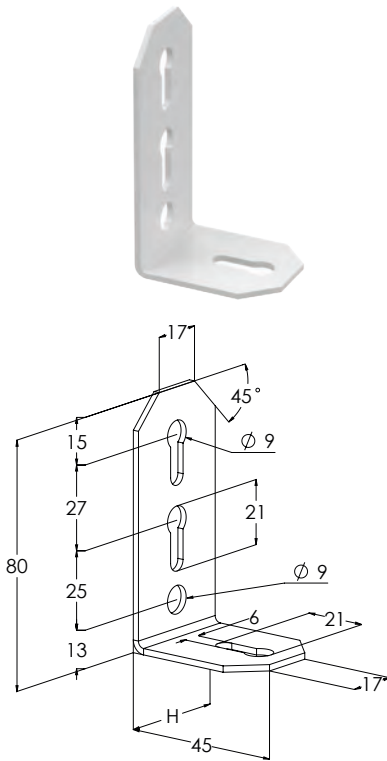


End bracket RÄF



End brackets RÄF are used for mounting the ends of KR-type cable trays to wall, floor or ceiling. For fastening one end of cable tray two brackets RÄF are needed.

Product set includes bolt and nut for fastening bracket to cable tray.



CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1431612	RÄF-40 M	0.059	37	10 PCE
1432734	RÄF-60 M	0.098	57	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (1 PCE)

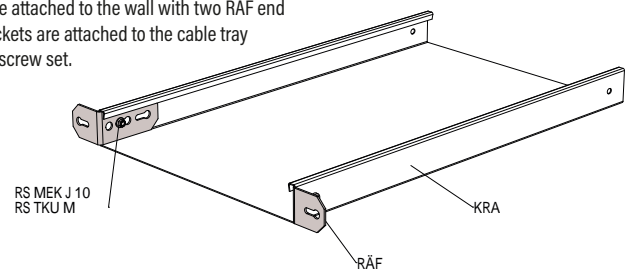
CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1431611	RÄF-40 PG	0.058	37	10 PCE
1432731	RÄF-60 PG	0.097	57	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 :C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (1 PCE)

The product RÄF-60 is available by order in the atmospheric-corrosivity category C4.

Cable tray ends are attached to the wall with two RÄF end brackets. End brackets are attached to the cable tray with the included screw set.



Joint KRC J



Joints KRC J are used to extend low-voltage cable trays KRC. Correctly installed joints create a sufficient electrical conductivity, which eliminates the need to install a separate grounding wire between cable trays.

Product set includes bolts and nuts for fastening.

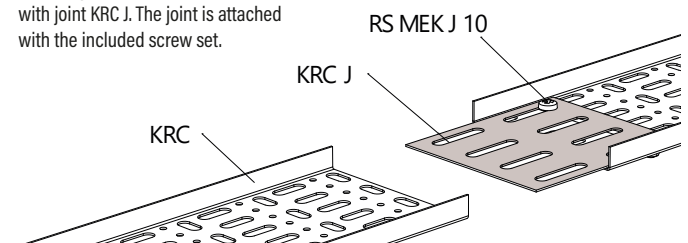


CODE	PRODUCT x = stock product	WGT. kg / kpc	A mm	PACKAGE
1431430	KRC J-50 PG	0.03	45	10 PCE
1431431	KRC J-100 PG	0.063	95	10 PCE
1431432	KRC J-150 PG	0.097	145	10 PCE
1431433	KRC J-200 PG	0.13	195	10 PCE
1431434	KRC J-250 PG	0.17	245	10 PCE
1431435	KRC J-300 PG	0.2	295	10 PCE
1431436	KRC J-400 PG	0.27	395	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (1 PCE)

Mounting plate KRC can be extended with joint KRC J. The joint is attached with the included screw set.



Joints RSS are used to extend KR-type cable trays. Joints RSS-40-200...500 can be also used as parts of supports - fastening cable trays to ceiling is possible with PS rails and PF brackets, to wall with supports K.

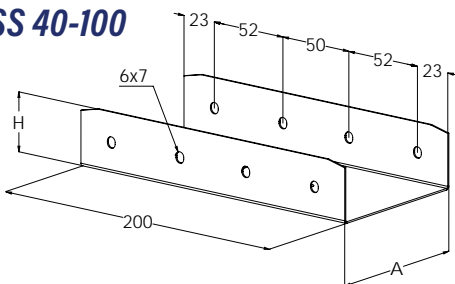
Correctly installed joints create a sufficient electrical conductivity, which eliminates the need to install a separate grounding wire between cable trays.

Product set includes bolts and nuts for fastening.

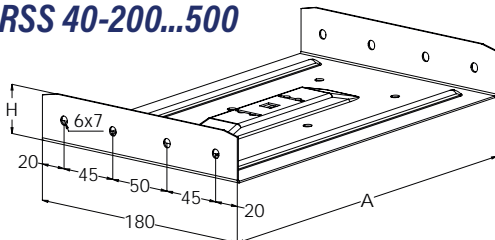


Please note! RSS-40-600 and RSS-60-100...-600 can not be used for fastening supports and brackets.

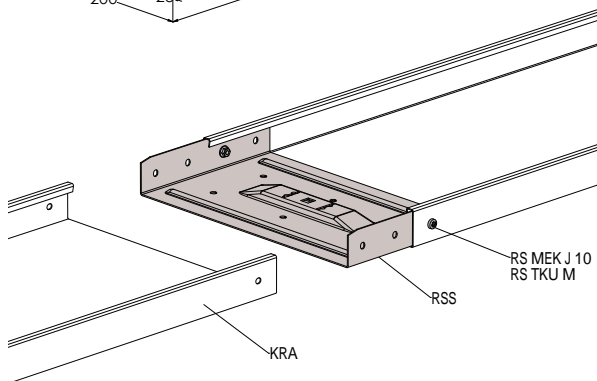
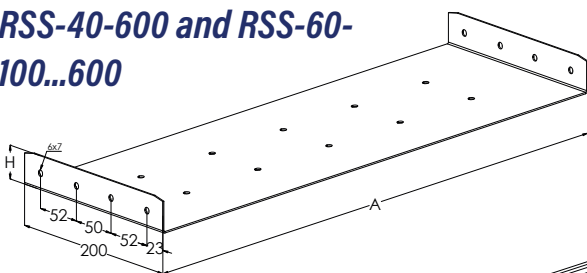
RSS 40-100



RSS 40-200...500



RSS-40-600 and RSS-60-100...600



Joint RSS is pushed inside the cable tray and attached with the included screw set.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431421	RSS-40-100 M	0.26	98	38	10 PCE
1431422	RSS-40-200 M	0.49	197	38	10 PCE
1431423	RSS-40-300 M	0.67	297	38	10 PCE
1431424	RSS-40-400 M	0.84	397	38	10 PCE
1431425	RSS-40-500 M	1	497	38	10 PCE
1431426	RSS-40-600 M	1.56	597	38	10 PCE
1432471	RSS-60-100 M	0.33	98	58	10 PCE
1432472	RSS-60-200 M	0.57	198	58	10 PCE
1432473	RSS-60-300 M	0.74	298	58	10 PCE
1432474	RSS-60-400 M	0.92	397	57	10 PCE
1432475	RSS-60-500 M	1.11	497	57	10 PCE
1432476	RSS-60-600 M	1.39	597	57	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (4 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431411	x RSS-40-100 PG	0.26	98	38	10 PCE
1431412	x RSS-40-200 PG	0.48	197	38	10 PCE
1431413	x RSS-40-300 PG	0.66	297	38	10 PCE
1431414	RSS-40-400 PG	0.83	397	38	10 PCE
1431415	x RSS-40-500 PG	0.99	497	38	10 PCE
1431416	RSS-40-600 PG	1.54	597	38	10 PCE
1432461	RSS-60-100 PG	0.32	98	58	10 PCE
1432462	RSS-60-200 PG	0.56	198	58	10 PCE
1432463	RSS-60-300 PG	0.74	298	58	10 PCE
1432464	RSS-60-400 PG	0.92	397	57	10 PCE
1432465	RSS-60-500 PG	1.1	497	57	10 PCE
1432466	RSS-60-600 PG	1.37	597	57	10 PCE

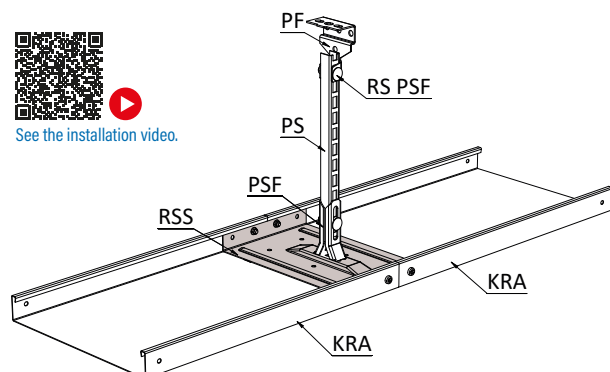
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (4 PCE)

The products RSS-60-100...600 are available by order in the atmospheric-corrosivity category C4.



See the installation video.



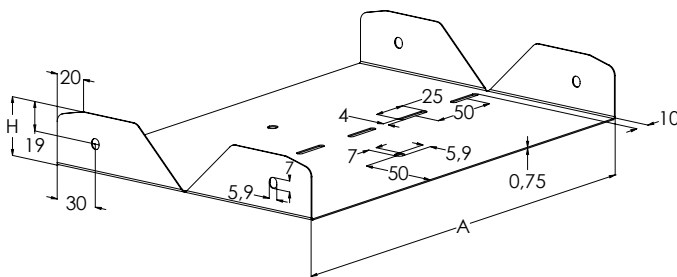
Joint RSS can be used for intermediate supporting with bracket PSF, mounting rail PS and ceiling bracket PF.

Elbow joint RVS

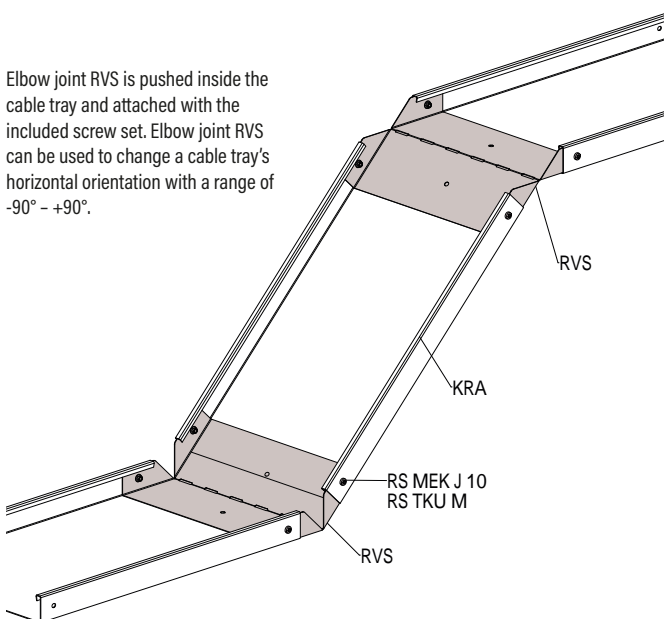


Elbow joints RVS are used to make 0-90° vertical angles for KR-type cable trays. RVS joints cover cable trays' ends totally and protect cables from damages.

Product set includes bolts and nuts for fastening.



Elbow joint RVS is pushed inside the cable tray and attached with the included screw set. Elbow joint RVS can be used to change a cable tray's horizontal orientation with a range of -90° - +90°.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431461	RVS-40-100 M	0.18	97	38	10 PCE
1431462	RVS-40-200 M	0.29	197	38	10 PCE
1431463	RVS-40-300 M	0.41	297	38	10 PCE
1431464	RVS-40-400 M	0.52	397	38	10 PCE
1431465	RVS-40-500 M	0.64	497	38	10 PCE
1431466	RVS-40-600 M	0.75	597	38	10 PCE
1432531	RVS-60-100 M	0.25	98	58	10 PCE
1432532	RVS-60-200 M	0.38	198	58	10 PCE
1432533	RVS-60-300 M	0.52	298	58	10 PCE
1432534	RVS-60-400 M	0.66	397	57	10 PCE
1432535	RVS-60-500 M	0.8	497	57	10 PCE
1432536	RVS-60-600 M	0.94	597	57	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (4 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431451	RVS-40-100 PG	0.18	97	38	10 PCE
1431452	RVS-40-200 PG	0.29	197	38	10 PCE
1431453	RVS-40-300 PG	0.4	297	38	10 PCE
1431454	RVS-40-400 PG	0.52	397	38	10 PCE
1431455	RVS-40-500 PG	0.63	497	38	10 PCE
1431456	RVS-40-600 PG	0.74	597	38	10 PCE
1432521	RVS-60-100 PG	0.24	98	58	10 PCE
1432522	RVS-60-200 PG	0.38	198	58	10 PCE
1432523	RVS-60-300 PG	0.52	298	58	10 PCE
1432524	RVS-60-400 PG	0.65	397	57	10 PCE
1432525	RVS-60-500 PG	0.79	497	57	10 PCE
1432526	RVS-60-600 PG	0.93	597	57	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (4 PCE)



Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu

Width-reduction piece RAK



Width-reduction pieces RAK are used to joint different widths' of KR-type cable trays together.

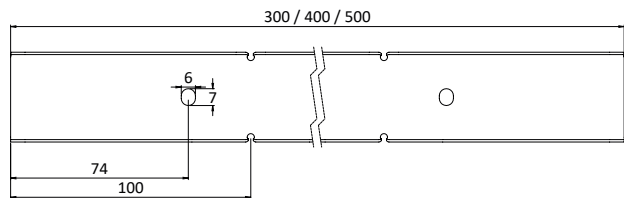
Product set includes two joint pieces, bolts and nuts for fixing.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431481	RAK-40-100 M	0.24	100	37	1 PCE
1431482	RAK-40-200 M	0.29	200	37	1 PCE
1431483	RAK-40-300 M	0.34	300	37	1 PCE
1432587	RAK-60-200 M	0.38	200	57	1 PCE
1432588	RAK-60-100 M	0.32	100	57	1 PCE
1432589	RAK-60-300 M	0.45	300	57	1 PCE

M White RAL 9010 polyester paint coating : C1-C2

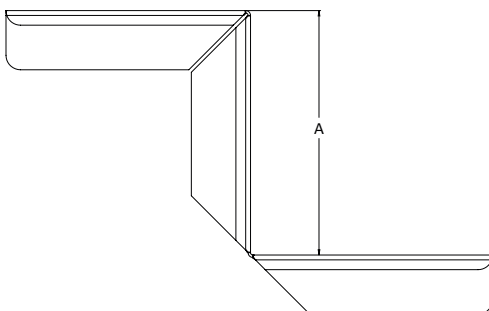
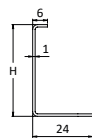
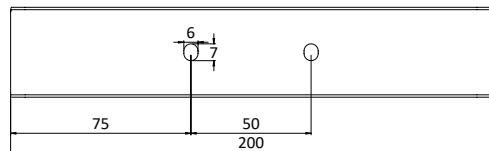
Product includes screw set: 1449122 RS TKU M (4 PCE)



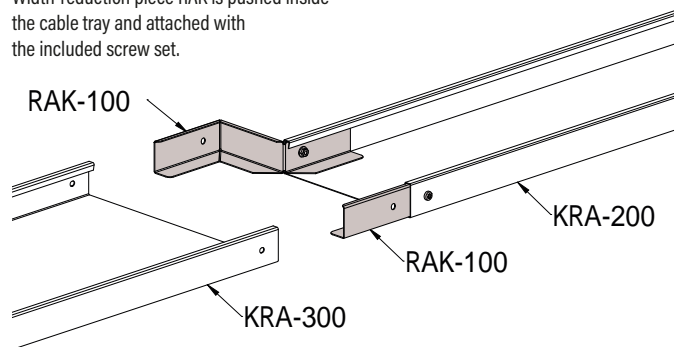
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1431471	RAK-40-100 PG	0.24	100	37	1 PCE
1431472	RAK-40-200 PG	0.29	200	37	1 PCE
1431473	RAK-40-300 PG	0.34	300	37	1 PCE
1432581	RAK-60-100 PG	0.32	100	57	1 PCE
1432582	RAK-60-200 PG	0.38	200	57	1 PCE
1432583	RAK-60-300 PG	0.45	300	57	1 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J10 EG (4 PCE)



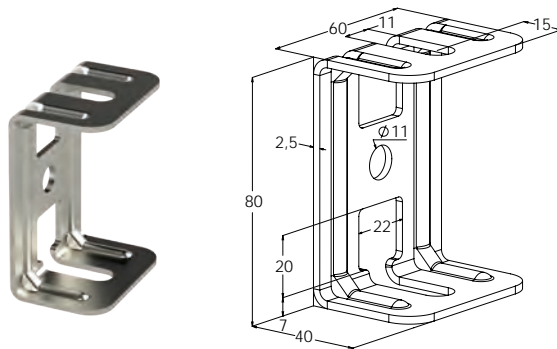
Width-reduction piece RAK is pushed inside the cable tray and attached with the included screw set.



Ceiling bracket RTF-10



Ceiling brackets RTF are used for mounting threaded rods GT to ceiling. Brackets RTF enable the height adjustment up to 50 mm and reduce the transfer of possible vibrations to wedge anchors attached to the ceiling. Installation is convenient - threaded rod with nuts is inserted into the ceiling bracket, then height is adjusted and nuts tightened.

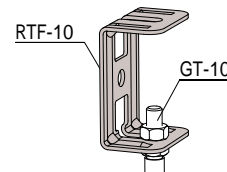


CODE	PRODUCT x = stock product	WGT. kg / kpl	LOADING max. kg	PACKAGE
1431619	x RTF-10 M	0.14	250	10 PCE

M	White RAL 9010 polyester paint coating : C1-C2			
---	--	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / kpl	LOADING max. kg	PACKAGE
1449484	x RTF-10 PG	0.14	250	10 PCE

PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 :C1-C2			
----	--	--	--	--

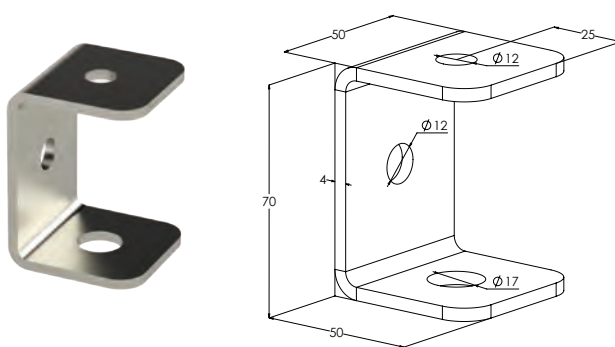


Ceiling bracket RTF-10 is attached to threaded rod GT-10 with nuts MU M10.

Ceiling bracket RTF-16



Ceiling brackets RTF are used for mounting threaded rods GT to ceiling. Brackets RTF enable the height adjustment up to 50 mm and reduce the transfer of possible vibrations to wedge anchors attached to the ceiling. Installation is convenient - threaded rod with nuts is inserted into the ceiling bracket, then height is adjusted and nuts tightened.

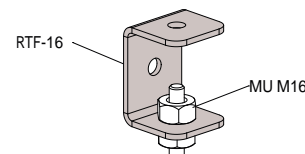


CODE	PRODUCT x = stock product	WGT. kg / kpl	LOADING max. kg	PACKAGE
1431621	RTF-16 M	0.23	400	10 PCE

M	White RAL 9010 polyester paint coating : C1-C2			
---	--	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / kpl	LOADING max. kg	PACKAGE
1449653	RTF-16 HDG	0.23	400	10 PCE

HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			
-----	--	--	--	--

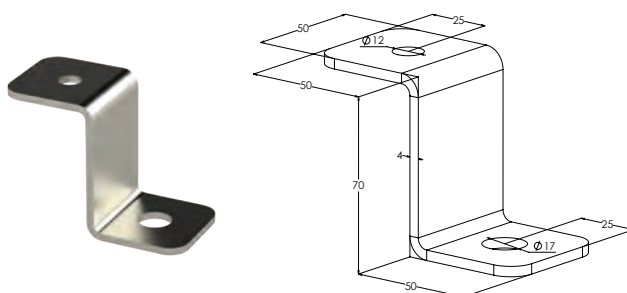


Ceiling bracket RTF-16 can be attached to threaded rod GT-10 or GT-16 with nuts MU M10 or MU M16.

Ceiling bracket RTF-Z



Ceiling brackets RTF-Z are used for mounting threaded rods GT to ceiling. Brackets allow height adjustment up to 50 mm and horizontal adjustment up to 100 mm and reduce the transfer of possible vibrations to wedge anchors attached to the ceiling. Ceiling brackets RTF-Z have $\varnothing 12$ mm and $\varnothing 17$ mm holes for threaded rods.

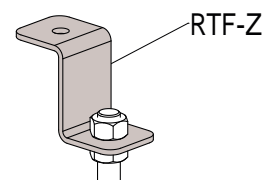


CODE	PRODUCT x = stock product	WGT. kg / kpl	LOADING max. kg	PACKAGE
1431623	RTF-Z M	0.24	300	10 PCE

M	White RAL 9010 polyester paint coating : C1-C2			
---	--	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / kpl	LOADING max. kg	PACKAGE
1449656	x RTF-Z HDG	0.23	300	10 PCE

HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			
-----	--	--	--	--



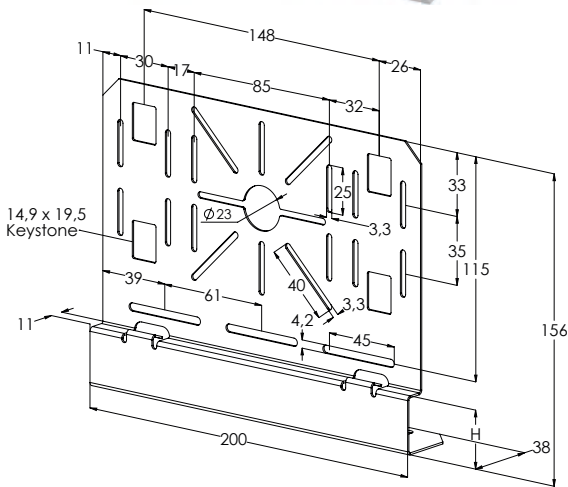
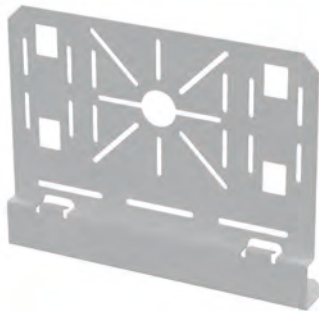
Ceiling bracket RTF-Z is attached to threaded rod GT-10 or GT-16 with nuts MU M10 or MU M16.

Mounting plate RDP



Mounting plates RDP are used for mounting junction boxes and other devices to KR-type cable trays as well as to MEK-type lighting supports rails. Mounting plates are attached to the edge of cable trays from the inside and fixed by bending the slats. For MEK, RDP plates are attached to the holes in the middle of the MEK profile with bolts and nuts. RDP plates have special perforation for fixing different kind of equipment including Keystone RJ45 jacks. The mounting plates can be twisted to hide it.

Devices mounted on the plates are clearly visible and easy to access later.



CODE	PRODUCT	WGT.	H	PACKAGE
	x = stock product	kg / pc	mm	
1431650	x RDP-40 M	0.29	30	10 PCE
1432752	RDP-60 M	0.32	50	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

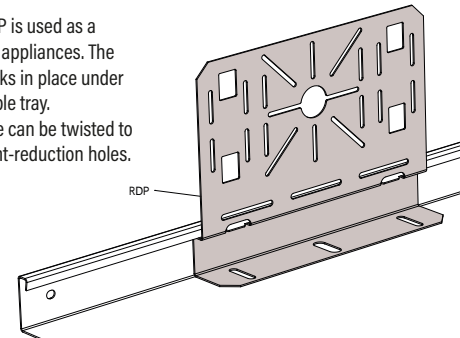
Product includes screw set: 1449122 RS TKU M (2 PCE)

CODE	PRODUCT	WGT.	H	PACKAGE
	x = stock product	kg / pc	mm	
1431649	x RDP-40 PG	0.28	30	10 PCE
1432749	RDP-60 PG	0.31	50	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (2 PCE)

Mounting plate RDP is used as a mounting plate for appliances. The mounting plate locks in place under the edge of the cable tray. The mounting plate can be twisted to hide it at the weight-reduction holes.

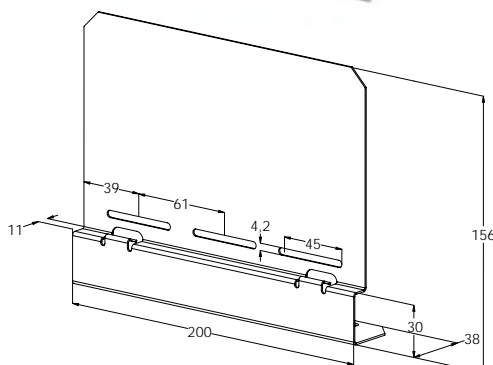


Mounting plate RDP-O



Mounting plates RDP-O are used for mounting junction boxes and other devices to KR-type cable trays as well as to MEK-type lighting supports rails. Mounting plates are attached to the edge of cable trays from the inside and fixed by bending the slats. For MEK, RDP-O plates are attached to the holes in the middle of the MEK profile with bolts and nuts. RDP-O plates are without perforations and their mounting surface dimensions is 20x12 cm. The mounting plates can be twisted to hide it.

Devices mounted on the plates are clearly visible and easy to access later.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1431651	x RDP-O M	0.3	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449122 RS TKU M (2 PCE)

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1431648	x RDP-O PG	0.3	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

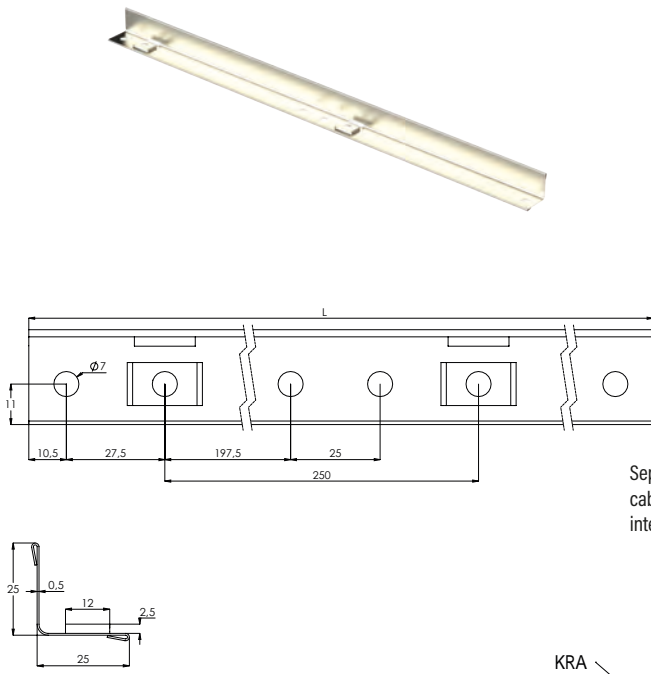
Product includes screw set: 1449108 RS MEK J 10 EG (2 PCE)

Separation plate AP



Separation plates AP are used to separate cables, especially low and high voltage cables, within cable ladders, cable trays and wire mesh trays.

AP plates can be fixed by using cable ties, bolts and nuts or screws. When separation plates are used inside non-perforated cable trays KRA then support plates APT can be used for fixing.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1461660	AP-40 L=2750 M	0.64	25	2750	10 PCE
1432740	AP-60 L=2000 M	2.08	55	2000	10 PCE

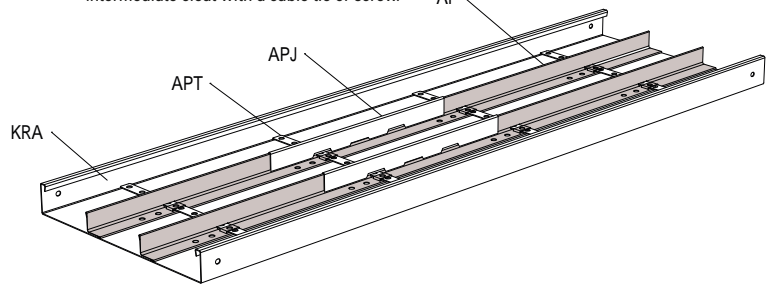
M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1449718	AP-40 L=1750 PG	0.4	25	1750	10 PCE
1449710	x AP-40 L=2750 PG	0.63	25	2750	10 PCE
1432737	AP-60 L=2000 PG	2.06	55	2000	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

The product AP-60 L=2000 is available by order in the atmospheric-corrosivity category C4.

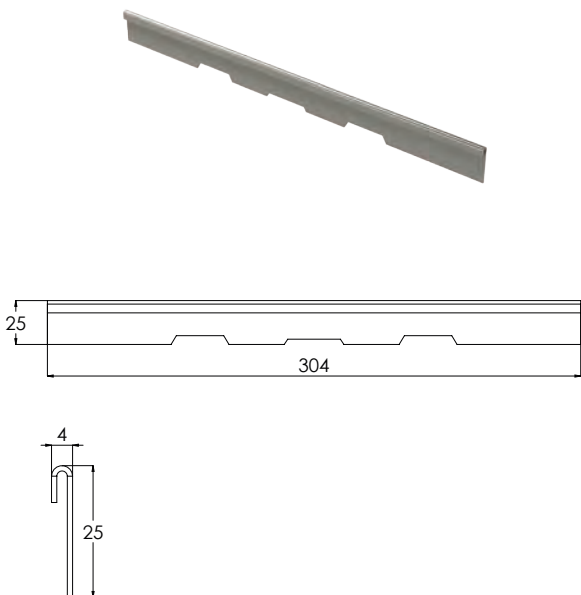
Separation plate AP is used to separate low and high voltage cables. Separation plate AP is attached to the cable ladder's intermediate cleat with a cable tie or screw.



Joint APJ



Joints APJ are used to connect and hold ends of separation plates AP securely together. Joints are simply pushed onto AP plate ends without tools.



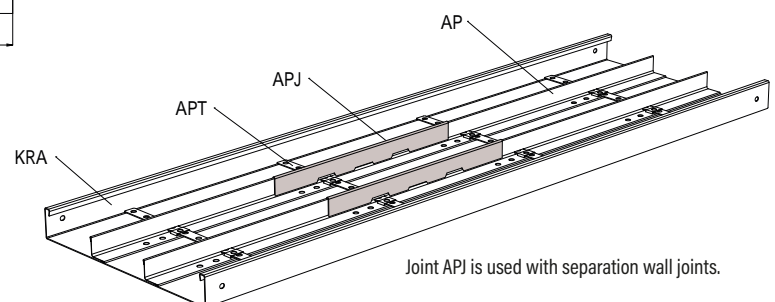
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431681	APJ-40 M	0.079	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431680	APJ-40 PG	0.075	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

The product APJ-60 is available by order in the atmospheric-corrosivity category C4.

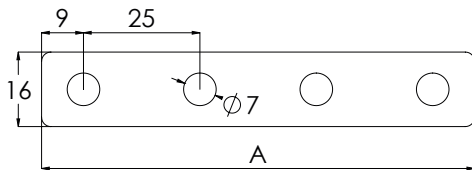


Joint APJ is used with separation wall joints.

Separation plate support APT

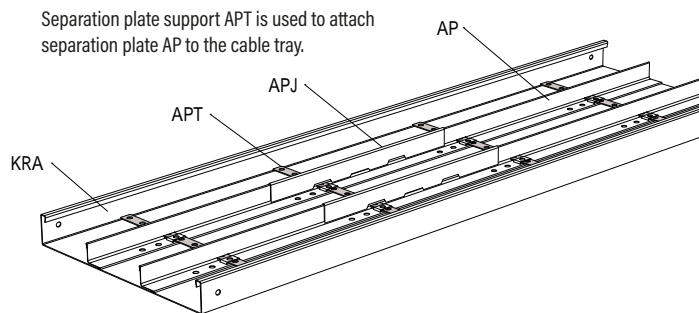


Separation plate supports APT are used to fix and keep at place separation plates AP inside of KR-type cable trays. APT supports are installed at the bottom of the cable trays, perpendicular to the AP plates. If necessary, bolts and nuts or cable ties can be used to attach the AP separation plates to the APT. Properly attached AP plates keep cables separated.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1431671	APT-100 PG	0.011	93	10 PCE
1431672	APT-200 PG	0.016	193	10 PCE
1431673	APT-300 PG	0.033	293	10 PCE
1431674	APT-400 PG	0.056	393	10 PCE
1431675	APT-500 PG	0.07	493	10 PCE
1431676	APT-600 PG	0.085	593	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

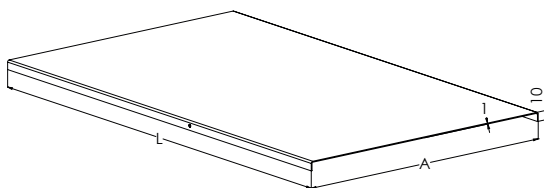


Separation plate support APT is used to attach separation plate AP to the cable tray.

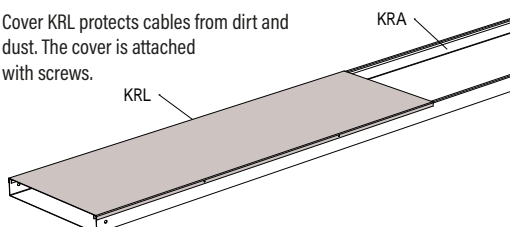
Cover KRL



Covers KRL are used to protect cables from damage, dirt and UV radiation as well as finish the installation of KR-type cable trays' and KRV lighting support rails' straight sections. In horizontal installation covers stay at place quite tightly themselves, but if needed these can be fixed with screws.



Cover KRL protects cables from dirt and dust. The cover is attached with screws.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1431830	KRL-50 L=3000 M	1.12	52	3000	20 PCE / 60 MTR
1431831	KRL-100 L=3000 M	2.05	102	3000	10 PCE / 30 MTR
1431832	KRL-200 L=3000 M	3.77	202	3000	20 PCE / 60 MTR
1431833	KRL-300 L=3000 M	7.38	302	3000	20 PCE / 60 MTR
1431834	KRL-400 L=3000 M	12.24	403	3000	20 PCE / 60 MTR
1431835	KRL-500 L=3000 M	15.16	503	3000	20 PCE / 60 MTR
1431836	KRL-600 L=3000 M	18.09	603	3000	20 PCE / 60 MTR

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	L mm	PACKAGE
1431820	KRL-50 L=3000 PG	1.11	52	3000	20 PCE / 60 MTR
1431821	KRL-100 L=3000 PG	2.03	102	3000	10 PCE / 30 MTR
1431822	KRL-200 L=3000 PG	3.73	202	3000	20 PCE / 60 MTR
1431823	KRL-300 L=3000 PG	7.31	302	3000	20 PCE / 60 MTR
1431824	KRL-400 L=3000 PG	12.12	403	3000	20 PCE / 60 MTR
1431825	KRL-500 L=3000 PG	15.01	503	3000	20 PCE / 60 MTR
1431826	KRL-600 L=3000 PG	17.91	603	3000	20 PCE / 60 MTR

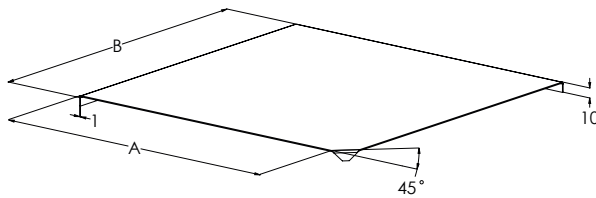
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

The products KRL-100...600 L=3000 are available by order in the atmospheric-corrosivity category C4.

Cover KRL-RS90



Covers KRL-RS90 are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for KRA and KRB cable trays' RS90 corner pieces. In horizontal installation covers stay at place quite tightly themselves, but if needed these can be fixed with screws.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	PACKAGE
1431721	KRL-RS90-100 M	0.12	100	119	2 PCE
1431722	KRL-RS90-200 M	0.4	200	219	2 PCE
1431723	KRL-RS90-300 M	0.84	300	319	2 PCE
1431724	KRL-RS90-400 M	1.43	400	419	2 PCE
1431725	KRL-RS90-500 M	2.18	500	519	2 PCE
1431726	KRL-RS90-600 M	3.08	600	619	2 PCE

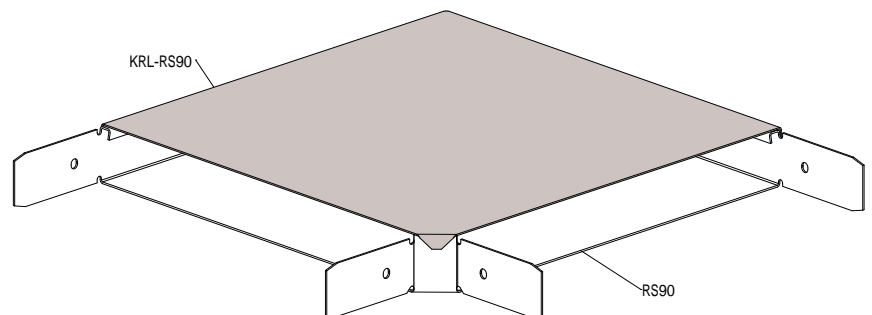
M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	PACKAGE
1431881	KRL-RS90-100 PG	0.12	100	119	2 PCE
1431882	KRL-RS90-200 PG	0.4	200	219	2 PCE
1431883	KRL-RS90-300 PG	0.83	300	319	2 PCE
1431884	KRL-RS90-400 PG	1.42	400	419	2 PCE
1431885	KRL-RS90-500 PG	2.16	500	519	2 PCE
1431886	KRL-RS90-600 PG	3.05	600	619	2 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

The products KRL-RS90-100...600 are available by order in the atmospheric-corrosivity category C4.

Cover KRL-RS protects cables from dirt and dust. The cover is attached with screws.



Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu

Cover KRL-RT

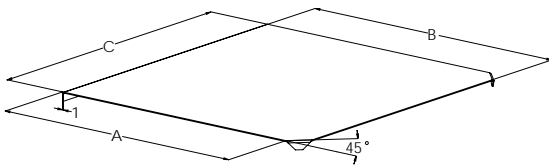


Covers KRL-RT are used to protect cables from damage, dirt and UV radiation as well as finishes the installation for KRA and KRB cable trays' RT T-pieces. In horizontal installation covers stay at place quite tightly themselves, but if needed these can be fixed with screws.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	C mm	PACKAGE
1431811	KRL-RT-100 M	0.14	100	119	138	2 PCE
1431812	KRL-RT-200 M	0.42	200	219	238	2 PCE
1431813	KRL-RT-300 M	0.85	300	319	338	2 PCE
1431814	KRL-RT-400 M	1.44	400	419	438	2 PCE
1431815	KRL-RT-500 M	2.18	500	519	538	2 PCE
1431816	KRL-RT-600 M	3.07	600	619	638	2 PCE

M White RAL 9010 polyester paint coating : C1-C2

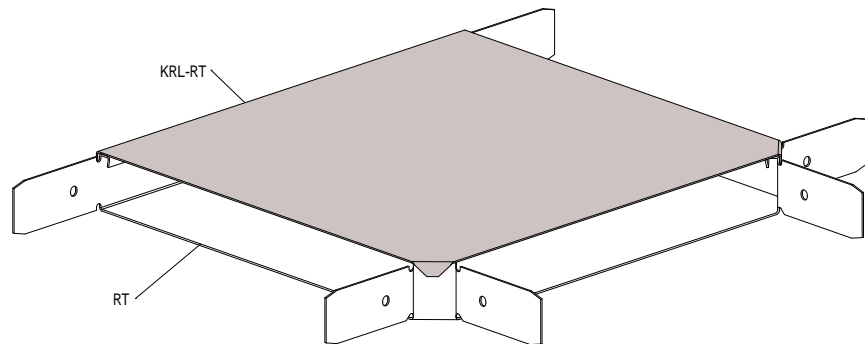


CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	A mm	B mm	C mm	PACKAGE
1431891	KRL-RT-100 PG	0.13	100	119	138	2 PCE
1431892	KRL-RT-200 PG	0.41	200	219	238	2 PCE
1431893	KRL-RT-300 PG	0.84	300	319	338	2 PCE
1431894	KRL-RT-400 PG	1.42	400	419	438	2 PCE
1431895	KRL-RT-500 PG	2.16	500	519	538	2 PCE
1431896	KRL-RT-600 PG	3.04	600	619	638	2 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

The products KRL-RT-100...600 are available by order in the atmospheric-corrosivity category C4.

Cover KRL-RT protects cables from dirt and dust. The cover is attached with screws.



Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu



Repair paint SPRAY

Spray paint is used to repair smaller scratches and damages of surface.



CODE	PRODUCT x = stock product	WGT. kg / pcl	PACKAGE
1449709	x MEKA SPRAY ZN	0.38	12 PCE
1431809	x MEKA SPRAY RAL9010	0.4	12 PCE

Threaded rod GT



Threaded rods GT are used for suspending cable ladders and -trays with different types of supports as MK, PRT, HK13, TPK, RMK, MEK RK, CT-IS etc. and ceiling brackets as RTF-10, RTF-Z, TFP, TFP-A, for instance.

Threaded rods GT are available for corrosivity categories C1-CX.



CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1459420	GT-6 L=1000 EG	0.15	1000	270	20 PCE / 20 MTR
1449157	GT-8 L=2000 EG	0.5	2000	490	20 PCE / 40 MTR
1449650	x GT-10 L=2000 EG	0.98	2000	600	20 PCE / 40 MTR
1449651	GT-16 L=2000 EG	2.5	2000	1000	10 PCE / 20 MTR

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1449160	x GT-10 L=2000 HDG	0.98	2000	600	20 PCE / 40 MTR
1449161	GT-16 L=2000 HDG	2.5	2000	1000	10 PCE / 20 MTR

HDG HDG or corresponding corrosion protection : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1430418	HST GT-6 L=1000	0.17	1000	270	20 PCE / 40 MTR
1430420	HST GT-10 L=2000	1	2000	600	20 PCE / 40 MTR
1430421	HST GT-16 L=2000	2.63	2000	1000	10 PCE / 20 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Protective sleeve SS

White plastic protective sleeves SS are used to cover threaded rods GT. The protection is generally needed from design but using protective sleeves also prevents the accumulation of dust and dirt on the threaded rods, which is important from hygienic point of view.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459426	SS-6 W	5.04	1 PCE / 250 MTR
1431800	x SS-10	3.16	1 PCE / 100 MTR
1431801	SS-16	6.18	1 PCE / 100 MTR

White plastic

Bolt set RS



Bolt sets RS include nut and bolt and are used to connect different Meka products.



CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1449122	x RS TKU M	M5x10	0.01	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1448720	x RS 4 EG	M6x20	0.01	10 PCE
1449108	x RS MEK J 10 EG	M5x10	0.01	10 PCE
1449114	x RS MEK VM EG	M5x12	0.01	100 PCE
1449123	RS SK EG	M8x20	0.03	10 PCE
1449124	x RS MEK SK EG	M5x16	0.03	10 PCE
1431735	x RS K EG	M8x25	0.02	10 PCE
1431731	RS PSF EG	M8x35	0.02	10 PCE
1431734	x RS SVK EG	M10x16	0.03	10 PCE
1470352	x RS 5 EG	M6x12	0.01	10 PCE
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1448721	RS 4 HDG	M6x20	0.01	10 PCE
1449697	x RS 1 HDG	M6x16	0.01	10 PCE
1449698	x RS 2 HDG	M8x40	0.02	10 PCE
1449699	x RS 3 HDG	M8x70	0.03	10 PCE
1449112	x RS VK2 HDG	M8x30	0.02	10 PCE
1449113	RS SMT HDG	M10x40	0.04	10 PCE
1449115	x RS KSF HDG	M10x30	0.04	10 PCE
1449125	RS KAP HDG	M6x30	0.01	10 PCE
1449127	x RS 12 HDG	M8x120	0.06	10 PCE
1449111	x RS SSU HDG	M8x80	0.04	10 PCE
1470353	x RS 5 HDG	M6x12	0.01	10 PCE
HDG	HDG or corresponding corrosion protection : C1-C4			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1430428	x HST RS 1	M6x12	0.01	10 PCE
1430429	x HST RS 2	M8x40	0.02	10 PCE
1430430	x HST RS 3	M8x70	0.03	10 PCE
1430431	HST RS SSU	M8x80	0.04	10 PCE
1430432	HST RS VK2	M8x30	0.02	10 PCE
1430433	x HST RS SMT	M10x40	0.04	10 PCE
1430438	HST RS KSF	M10x30	0.04	10 PCE
1448722	x RS 4 HST	M6x20	0.01	10 PCE
1470354	x RS 5 HST	M6x12	0.01	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX			

Nut MU



Nuts MU are used for fastening intermediate and gate supports to threaded rods.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431740	MU M10 M	0.01	100 PCE
1431741	MU M16 M	0.02	100 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459427	MU M6 EG	0.01	10 PCE
1449991	MU M8 EG	0.015	200 PCE
1449992	MU M10 EG	0.01	50 PCE
1449993	MU M16 EG	0.02	50 PCE
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449168	MU M6 HDG	0.01	200 PCE
1449166	MU M10 HDG	0.01	100 PCE
1449167	MU M16 HDG	0.02	100 PCE
HDG	HDG or corresponding corrosion protection : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430426	HST MU M6	0.01	200 PCE
1430436	x HST MU M10	0.01	200 PCE
1430437	HST MU M16	0.02	50 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

Extension nut JM



Extension nuts are used for connecting GT-type threaded rods. The height of JM extension nuts is 40 mm.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431746	JM M10 M	0.05	50 PCE
1431747	JM M16 M	0.12	100 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431748	JM M10 HDG	0.05	50 PCE / 1 BG
1431749	JM M16 HDG	0.12	50 PCE / 1 BG
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459425	JM M6 EG	0.01	10 PCE / 1 BG
1430062	JM M8 EG	0.02	50 PCE / 1 BG
1449704	JM M10 EG	0.05	50 PCE
1449705	JM M16 EG	0.12	100 PCE

EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2		
----	---	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430427	HST JM M6	0.01	50 PCE / 1 BG
1430434	x HST JM M10	0.05	100 PCE
1430435	HST JM M16	0.12	50 PCE

HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
-----	--	--	--

Washer AL



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342088	AL M6 EG	0.001	200 PCE / 1 BG
1342091	AL M8 EG	0.002	200 PCE / 1 BG
1342094	AL M10 EG	0.004	50 PCE / 1 BG
1342097	AL M16 EG	0.011	50 PCE / 1 BG

EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		
----	---	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342089	AL M6 HDG	0.001	200 PCE / 1 BG
1342095	AL M10 HDG	0.004	100 PCE / 1 BG
1342098	AL M16 HDG	0.011	100 PCE / 1 BG

HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		
-----	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342090	HST AL M6	0.001	200 PCE / 1 BG
1342096	HST AL M10	0.004	200 PCE / 1 BG
1342099	HST AL M16	0.011	50 PCE / 1 BG

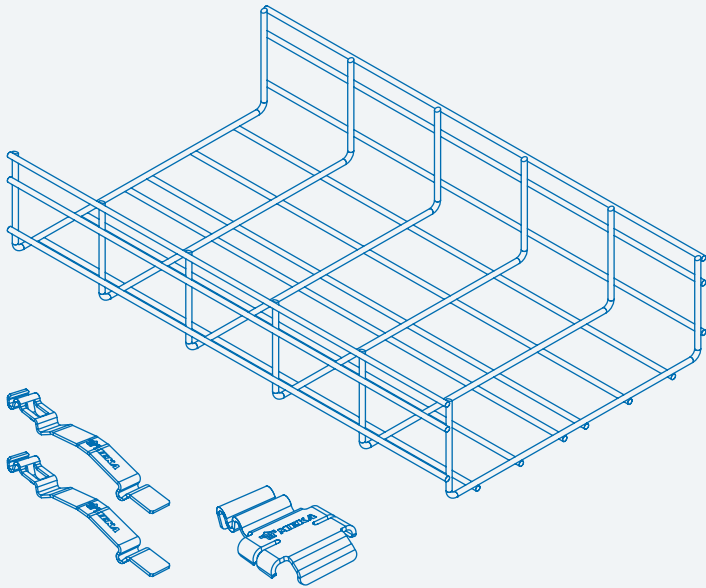
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
-----	--	--	--







Cable Management Systems



Wire Mesh Trays

2023



Easy to modify, enabling optimal space usage.



Snap in connectors speed up installation.



Bevelled wire ends on the sides protect cables from damage as well as construction workers from injury.



Hygienic and safe.

WMT 30

30 mm height wire mesh tray

70 kg/m (1 metre span)

Suitable for a wide range of applications, from offices to heavy industrial sites. Wire mesh trays are particularly good solutions for the food industry, ICT industry and renewable energy sites. Available for all atmospheric-corrosivity categories C1-CX.

WMT 100

100 mm height wire mesh tray

109 kg/m (1 metre span)

Suitable for a wide range of applications, from offices to heavy industrial sites. Wire mesh trays are particularly good solutions for the food industry, ICT industry and renewable energy sites. Available for all atmospheric-corrosivity categories C1-CX.

WMT 50

50 mm height wire mesh tray

94 kg/m (1 metre span)

Suitable for a wide range of applications, from offices to heavy industrial sites. Wire mesh trays are particularly good solutions for the food industry, ICT industry and renewable energy sites. Available for all atmospheric-corrosivity categories C1-CX.

WMT 150

150 mm height wire mesh tray

148 kg/m (1 metre span)

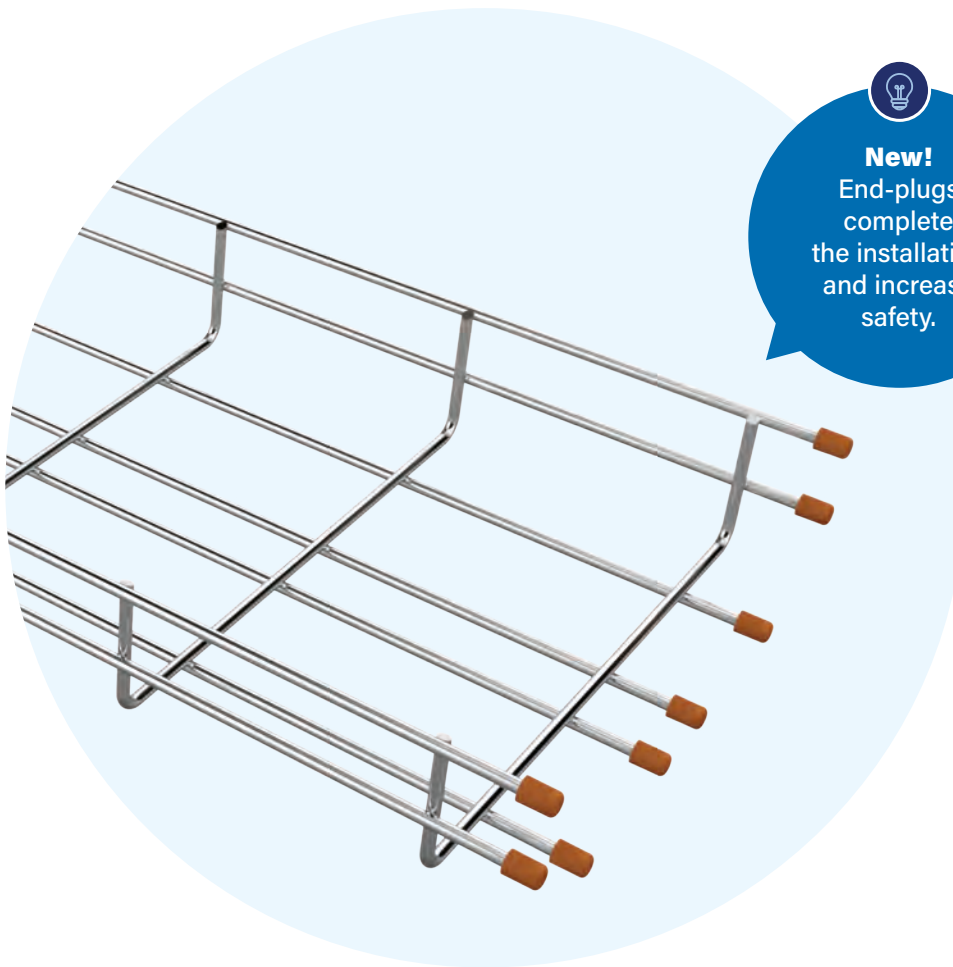
Suitable for a wide range of applications, from offices to heavy industrial sites. Wire mesh trays are particularly good solutions for the food industry, ICT industry and renewable energy sites. Available for all atmospheric-corrosivity categories C1-CX.

Wire mesh trays are available at 50-600 mm widths at 3 metre length.

Wire strength is 4 mm for 70-200 mm wide trays and 5 mm for 300-600 mm wide trays.

Load-carrying capacity of MEKA® wire mesh trays have been tested in compliance with IEC 61537 test type 3.





New!
End-plugs complete the installation and increase safety.

Table of contents

Wire Mesh Trays

Fire-resistant wire mesh trays. . .3-4	Mounting plate WMT IP1.3-14	Ceiling support HK23-22
Potential Equalisation3-5	End plug WMT EP4 and	Ceiling bracket TFP23-23
WMT System.3-6	WMT EP5.3-15	Ceiling bracket TFP33-23
Wire mesh tray WMT-30. . . .3-7	Earthing terminal PE3-15	Gate support PRT3-24
Wire mesh tray WMT-50. . . .3-8	Intermediate support WMT CS .3-16	Cable clamp CCB3-24
Wire mesh tray WMT-100 . . .3-9	Intermediate support WMT CSF3-16	Sliding nut SMT3-25
Wire mesh tray WMT-150 . . .3-10	Wall bracket WMT WB13-17	Repair paint SPRAY.3-26
Snap in connector WMT SC1 .3-11	Wall bracket WMT WB23-17	Threaded rod.3-26
Snap in connector WMT SC2 .3-11	Wall support VKZ3-18	Protective sleeve SS3-26
Connector set WMT CL3-12	Wall support VK3-19	Bolt set RS3-27
Connector plate WMT CL1. . .3-12	Wall support MEK SK.3-19	Nut MU3-27
Connection set WMT UC . . .3-13	Wall support YPK3-20	Extension nut JM3-28
Connection plate WMT UC1. .3-13	Ceiling support TP2.3-21	Washer AL3-28
Connection plate WMT UC1D .3-14	Ceiling support HK1.3-22	

Fire-resistant wire mesh trays

Fire Rating E60

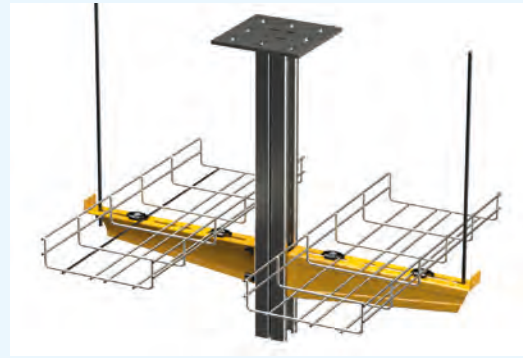
PRODUCT	SPAN LENGTH max (m)	WIDTH max (mm)	LOADING max (kg/m)
WMT	1,25	200	10

All lengths, and all material and surface treatment options up to a 200mm width.
Edge heights 50, 100 and 150 mm.

TYPE	PRODUCTS	
Bends	WMT CL	All products and all material and surface treatment options. Corner installations are made as shown in the example with connector set WMT CL. Corners must be supported in the middle as well as no further than 300mm from both joints.
Brackets	WMT UC1, WMT UC1D, WMT CL1	All products and all material and surface treatment options.
Ceiling brackets	RTF-10, RTF-16, RTF-S, RTF-Z	All products and all material and surface treatment options. Fastening equipment that is rated for fire safety must be used with ceiling brackets.
Ceiling supports	TP1, TP2, TP2-L, TP2-P	All products and all material and surface treatment options. Fastening equipment size M10 that is rated for fire safety must be used with ceiling supports.
Connection plate	WMT UC1	All material and surface treatment options. Intermediate supports are done as shown in the example with connection plate WMT UC1, threaded rod GT-6 and MU M6 nuts.
Gate supports	TPK, PRT	All products and all material and surface treatment options. Gate supports must be attached to the ceiling with two threaded rods.
Joints	WMT CL, WMT SC1, WMT SC2, WMT UC	All products and all material and surface treatment options.
Mounting rails	AS, AS-WALL, FP	All products and all material and surface treatment options. Mounting rails must be attached to the wall. Fastening equipment that is rated for fire safety must be used with mounting rails.
Nuts	MU 6, MU 10, MU 16	All products and all material and surface treatment options. MU 6 -nut is allowed only in tip attachments and intermediate support E60 with WMT UC1 as shown in examples.
Screw sets	RS1, RS2, RS3, RS4, RS KSF, RS SSU, RS VK2, RS MEK J 10	All products and all material and surface treatment options.
Separation plates	AP, SR	All products and all material and surface treatment options.
Sliding nut	SMT	All material and surface treatment options.
Threaded rods	GT-6, GT-10, GT-16	All products and all material and surface treatment options. GT-6 threaded rod is allowed only in tip attachments and E60 intermediate support with WMT UC1 as shown in examples. Other supports are not allowed by GT-6. Fire-rated fastening equipment is required when using threaded rods.
Wall supports	VK, VKF, VKZ, VKZ-N	All products and all material and surface treatment options. VKZ and VKZ-N must always be supported with a threaded rod from the support's tip to the ceiling. The tip attachment is required to achieve the E60 fire rating, if wall support VK or VKF is attached with a sliding nut SMT to mounting rail AS. In this case, a support that is wider than the wire mesh tray is required in order to attach the M6 threaded rod to the outermost hole. The tip attachment is not required to achieve the E60 fire rating, if VK or VKF are attached together through a ceiling support TP2 with a bolt. VK and VKF may be attached to the wall directly with fire-rated fastening equipment, without the need for the tip to be attached. When a support is attached from the tip, the support must be wider than the wire mesh tray. Maximum allowed widths without tip-support are: VKF 600 mm and VK 500 mm. With a tip-support 100 mm wider wall support is accepted.



Tip attachment E60



The tip attachment is required to achieve the E60 fire rating, if wall support VK or VKF is attached with a sliding nut SMT to mounting rail AS. In this case, a support that is wider than the wire mesh tray is required in order to attach the M6 threaded rod to the outermost hole.

The tip attachment is not required to achieve the E60 fire rating, if VK or VKF are attached together through a ceiling support TP2 with a bolt.



Intermediate support E60



Intermediate supports that are compliant with the E60 fire rating are done as shown in the example with connection plate WMT UC1, threaded rod GT-6 and nut MU M6.

Intermediate supports that are compliant with the E60 fire rating are made with a wire mesh tray no wider than 100 mm.



Gate support E60



Gate support PRT is used to create E60 compliant gate supports with two threaded rods. Threaded rod GT-10 is attached to the intermediate support with two MU M10 nuts.



Installation of a corner E60



Fire rating E60 compliant 90° angles are achieved by cutting the wire mesh tray as shown in the example and joining the edges together with connector set WMT CL. The corner must be supported in the middle as well as no further than 300 mm on both sides of the corner.

Potential Equalisation

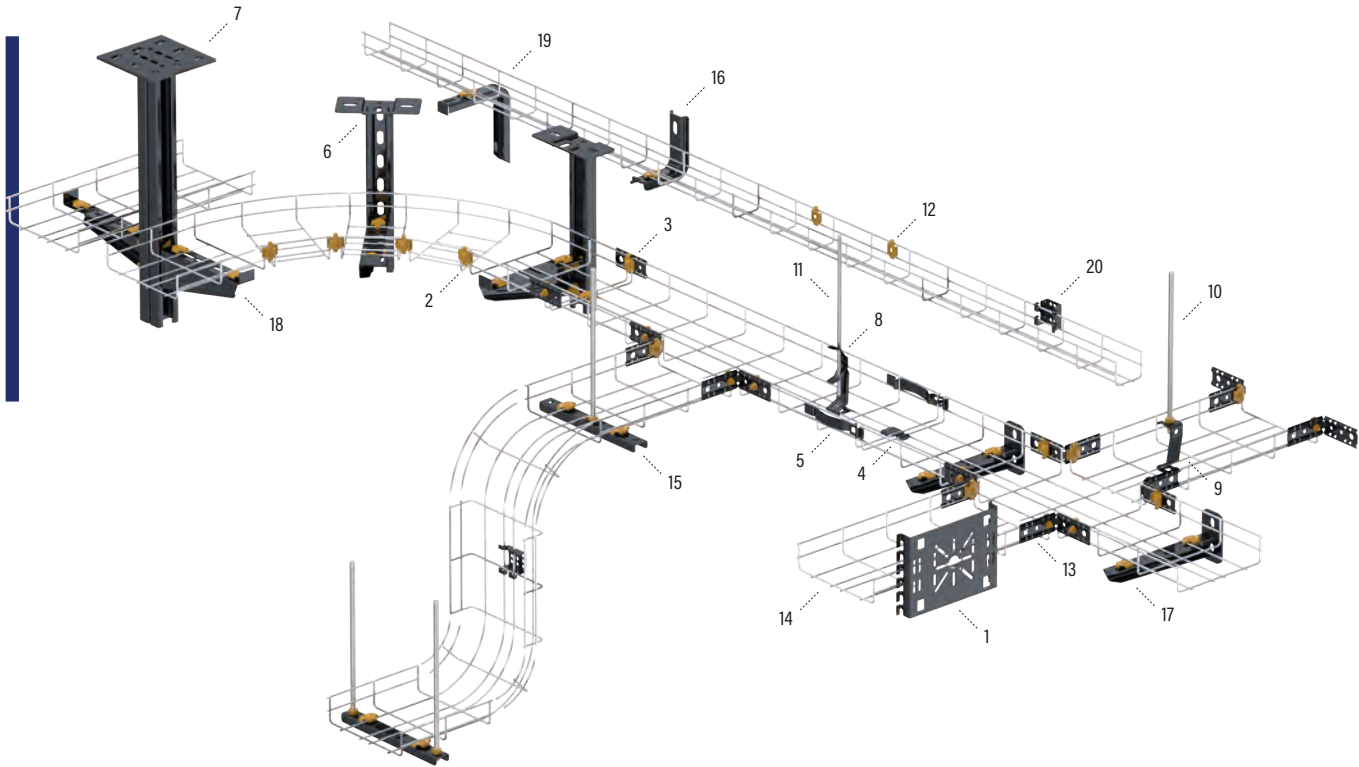
IEC 61537

PRODUCT	IMPEDANCE mΩ/m
WMT-30-70 EG	≤6,29
WMT-30-70 HDG	≤6,18
WMT-30-70 HST	≤14,58
WMT-30-100 EG	≤5,50
WMT-30-100 HDG	≤5,21
WMT-30-100 HST	≤14,31
WMT-30-200 EG	≤3,65
WMT-30-200 HDG	≤2,93
WMT-30-200 HST	≤9,86
WMT-30-300 EG	≤1,46
WMT-30-300 HST	≤4,76
WMT-50-70 EG	≤3,67
WMT-50-70 HDG	≤3,16
WMT-50-70 HST	≤9,69
WMT-50-100 EG	≤3,50
WMT-50-100 HDG	≤3,37
WMT-50-100 HST	≤9,36
WMT-50-200 EG	≤2,36
WMT-50-200 HDG	≤1,88
WMT-50-200 HST	≤7,25
WMT-50-300 EG	≤1,28
WMT-50-300 HST	≤3,86
WMT-50-400 HDG	≤0,91

PRODUCT + JOINT measured 50mm from the joint	IMPEDANCE mΩ
WMT-30-70 EG + SC1+SC2	≤3,30
WMT-30-70 EG + UC+CL	≤1,16
WMT-30-70 HDG + SC1+SC2	≤22,83
WMT-30-70 HDG + UC+CL	≤13,78
WMT-30-70 HST + UC+CL	≤3,35

PRODUCT + JOINT measured 50mm from the joint	IMPEDANCE mΩ
WMT-30-100 EG + SC1+SC2	≤2,57
WMT-30-100 EG + UC+CL	≤1,30
WMT-30-100 HDG + SC1+SC2	≤15,88
WMT-30-100 HDG + UC+CL	≤6,32
WMT-30-100 HST + UC+CL	≤3,06
WMT-30-200 EG + UC+CL	≤0,73
WMT-30-200 HDG + UC+CL	≤4,15
WMT-30-200 HST + UC+CL	≤2,32
WMT-30-300 HST + SC1+SC2	≤0,96
WMT-30-300 HST + CL+UC	≤1,36
WMT-50-70 EG + SC1+SC2	≤0,50
WMT-50-70 EG + UC+CL	≤0,57
WMT-50-70 HDG + UC+CL	≤5,02
WMT-50-70 HST + UC+CL	≤2,11
WMT-50-100 EG + SC1+SC2	≤0,48
WMT-50-100 EG + CL+UC	≤0,58
WMT-50-100 HDG + SC1+SC2	≤12,66
WMT-50-100 HDG + CL+UC	≤5,06
WMT-50-100 HST UC + CL	≤2,12
WMT-50-200 EG + SC1+SC2	≤0,51
WMT-50-200 EG + CL+UC	≤0,41
WMT-50-200 HDG + SC1+SC2	≤11,47
WMT-50-200 HDG + CL+UC	≤1,77
WMT-50-300 HST + SC1+SC2	≤1,13
WMT-50-300 HST + CL+UC	≤1,09
WMT-50-400 HDG + SC1+SC2	≤6,52
WMT-50-400 HDG + CL+UC	≤2,69
WMT-100-100 EG + UC+CL	≤0,41
WMT-100-100 HDG + UC CL	≤7,30
WMT-100-100 HST + UC CL	≤1,82
WMT-100-300 EG + SC1+SC2	≤0,48
WMT-100-300 EG + CL+UC	≤0,26

The joints in the chart create a sufficient electrical joint, which eliminates the need to install a separate grounding wire between trays.



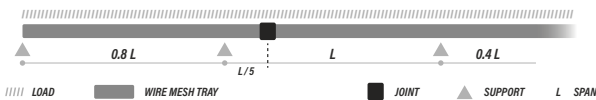
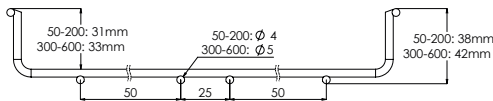
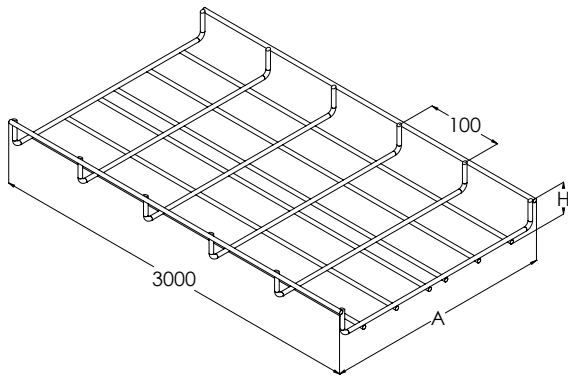
NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Mounting plate	WMT IP1	PG HDG HST	3-14
2	Connector set	WMT CL	EG HDG HST	3-12
3	Connection set	WMT UC	EG HDG HST	3-13
4	Snap in connector	WMT SC1	EG HDG HST	3-11
5	Snap in connector	WMT SC2	EG HDG HST	3-11
6	Ceiling support	HK1	HDG	3-22
7	Ceiling support	TP2	HDG HST	3-21
8	Intermediate support	WMT CSF	EG HDG	3-16
9	Intermediate support	WMT CS	EG HDG	3-16
10	Threaded rod	GT-10	EG HDG HST	3-26
11	Threaded rod	GT-6	EG	3-26
12	Connector plate	WMT CL1	EG HDG HST	3-12
13	Connection plate	WMT UC1D	EG HDG HST	3-14
14	Wire mesh tray	WMT-50	EG HDG HST	3-8
15	Gate support	PRT	PG XPG	3-26
16	Wall support	MEK SK	M PG	3-19
17	Wall support	VK	HDG	3-19
18	Wall support	VKZ-N	PG HDG HST	3-18
19	Wall support	YPK	M EG PG	3-20
20	Wall bracket	WMT WB1	PG HDG HST	3-17

- M White paint coat. Atmospheric-corrosivity category C1-C2
- B Black paint coat. Atmospheric-corrosivity category C1-C2
- G Grey paint coat. Atmospheric-corrosivity category C1-C2
- AD Anodized aluminum. Atmospheric-corrosivity category C1-C2
- AL Aluminum. Atmospheric-corrosivity category C1-C2
- EG Electro-galvanized steel. Atmospheric-corrosivity category C1-C2
- PG Pre-galvanized steel. Atmospheric-corrosivity category C1-C2
- HDG Hot-dip galvanized after manufacturing. Atmospheric-corrosivity category C1-C4
- XPG XPG coated. Atmospheric-corrosivity category C1-C4
- HST Acid-proof steel. Atmospheric-corrosivity category C1-CX

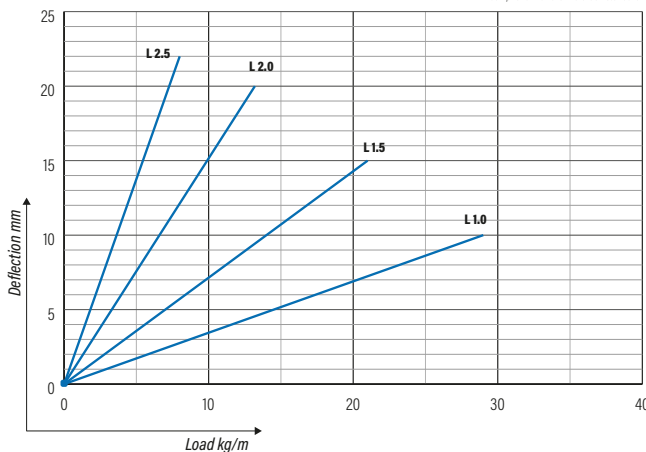
Wire mesh tray WMT-30



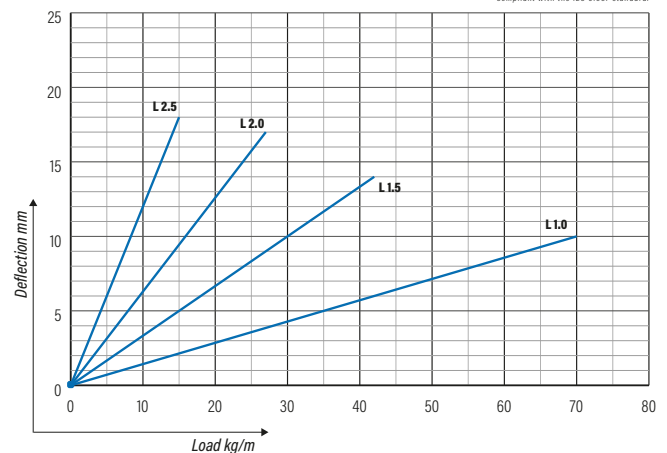
30 mm height wire mesh trays. Wire mesh trays are used mainly for lower load capacities, lightweight cables, angular lines or at places with special requirements for ventilation or hygienic e.g. ICT, food industry and renewable energy solutions.



WMT 30 | WIDTHS 50, 70, 100, 200



WMT 30 | WIDTHS 300, 400, 500, 600



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1444999	WMT-30-50 L=3000 EG	1.5	50	38	120 PCE / 360 MTR
1448400	WMT-30-70 L=3000 EG	1.55	70	38	88 PCE / 264 MTR
1448401	WMT-30-100 L=3000 EG	1.64	100	38	64 PCE / 192 MTR
1448402	WMT-30-200 L=3000 EG	2.55	200	38	80 PCE / 240 MTR
1448403	WMT-30-300 L=3000 EG	5.39	300	42	60 PCE / 180 MTR
1448404	WMT-30-400 L=3000 EG	6.81	400	42	40 PCE / 120 MTR
1448405	WMT-30-500 L=3000 EG	8.22	500	42	40 PCE / 120 MTR
1448406	WMT-30-600 L=3000 EG	9.63	600	42	40 PCE / 120 MTR

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448499	WMT-30-50 L=3000 HDG	1.7	50	38	120 PCE / 360 MTR
1448500	WMT-30-70 L=3000 HDG	1.75	70	38	88 PCE / 264 MTR
1448501	WMT-30-100 L=3000 HDG	1.85	100	38	64 PCE / 192 MTR
1448502	WMT-30-200 L=3000 HDG	2.88	200	38	80 PCE / 240 MTR
1448503	WMT-30-300 L=3000 HDG	6.09	300	42	60 PCE / 180 MTR
1448504	WMT-30-400 L=3000 HDG	7.7	400	42	40 PCE / 120 MTR
1448505	WMT-30-500 L=3000 HDG	9.29	500	42	40 PCE / 120 MTR
1448506	WMT-30-600 L=3000 HDG	10.88	600	42	40 PCE / 120 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

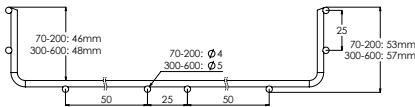
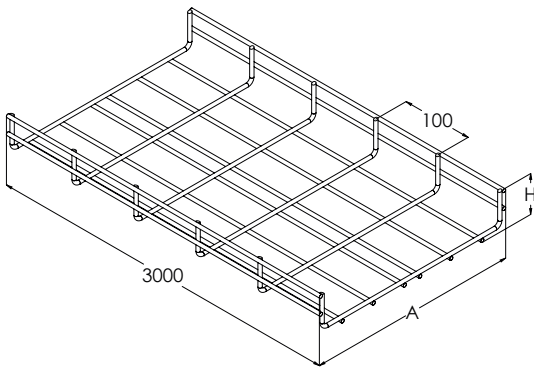
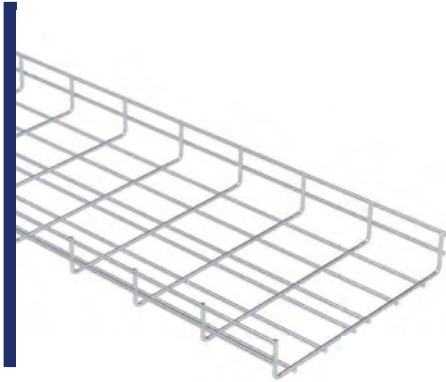
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448599	WMT-30-50 L=3000 HST	1.54	50	38	120 PCE / 360 MTR
1448600	WMT-30-70 L=3000 HST	1.59	70	38	88 PCE / 264 MTR
1448601	WMT-30-100 L=3000 HST	1.68	100	38	64 PCE / 192 MTR
1448602	WMT-30-200 L=3000 HST	2.62	200	38	80 PCE / 240 MTR
1448603	WMT-30-300 L=3000 HST	5.53	300	42	60 PCE / 180 MTR
1448604	WMT-30-400 L=3000 HST	6.99	400	42	40 PCE / 120 MTR
1448605	WMT-30-500 L=3000 HST	8.43	500	42	40 PCE / 120 MTR
1448606	WMT-30-600 L=3000 HST	9.88	600	42	40 PCE / 120 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Wire mesh tray WMT-50



50 mm height wire mesh trays. Wire mesh trays are used mainly for lower load capacities, lightweight cables, angular lines or at places with special requirements for ventilation or hygienic e.g. ICT, food industry and renewable energy solutions.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448407	x WMT-50-70 L=3000 EG	2.23	70	53	88 PCE / 264 MTR
1448408	x WMT-50-100 L=3000 EG	2.32	100	53	64 PCE / 192 MTR
1448409	x WMT-50-200 L=3000 EG	3.23	200	53	64 PCE / 192 MTR
1448410	WMT-50-300 L=3000 EG	6.46	300	57	48 PCE / 144 MTR
1448411	WMT-50-400 L=3000 EG	7.87	400	57	32 PCE / 96 MTR
1448412	WMT-50-500 L=3000 EG	9.29	500	57	32 PCE / 96 MTR
1448413	WMT-50-600 L=3000 EG	10.7	600	57	32 PCE / 96 MTR

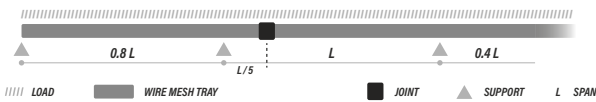
EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448507	x WMT-50-70 L=3000 HDG	2.52	70	53	88 PCE / 264 MTR
1448508	x WMT-50-100 L=3000 HDG	2.62	100	53	64 PCE / 192 MTR
1448509	x WMT-50-200 L=3000 HDG	3.65	200	53	64 PCE / 192 MTR
1448510	WMT-50-300 L=3000 HDG	7.3	300	57	48 PCE / 144 MTR
1448511	WMT-50-400 L=3000 HDG	8.89	400	57	32 PCE / 96 MTR
1448512	WMT-50-500 L=3000 HDG	10.5	500	57	32 PCE / 96 MTR
1448513	WMT-50-600 L=3000 HDG	12.09	600	57	32 PCE / 96 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

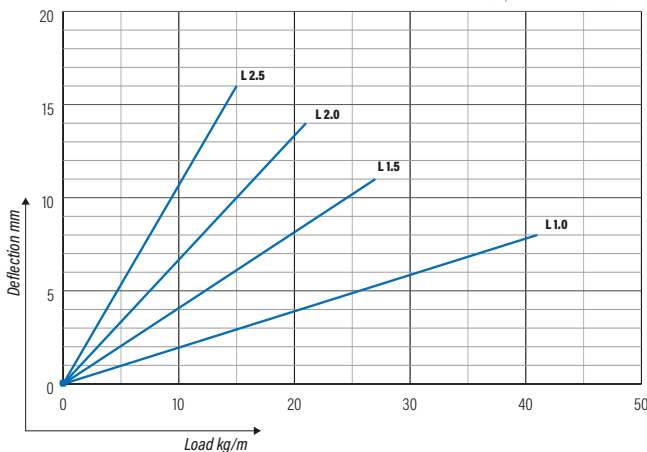
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448607	WMT-50-70 L=3000 HST	2.29	70	53	88 PCE / 264 MTR
1448608	WMT-50-100 L=3000 HST	2.38	100	53	64 PCE / 192 MTR
1448609	WMT-50-200 L=3000 HST	3.31	200	53	64 PCE / 192 MTR
1448610	WMT-50-300 L=3000 HST	6.63	300	57	48 PCE / 144 MTR
1448611	WMT-50-400 L=3000 HST	8.08	400	57	32 PCE / 96 MTR
1448612	WMT-50-500 L=3000 HST	9.53	500	57	32 PCE / 96 MTR
1448613	WMT-50-600 L=3000 HST	10.98	600	57	32 PCE / 96 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



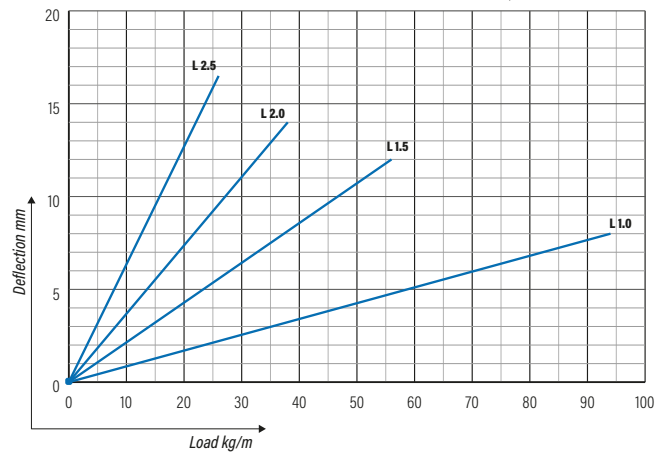
WMT 50 | WIDTHS 70, 100, 200

Compliant with the IEC 61537 standard.



WMT 50 | WIDTHS 300, 400, 500, 600

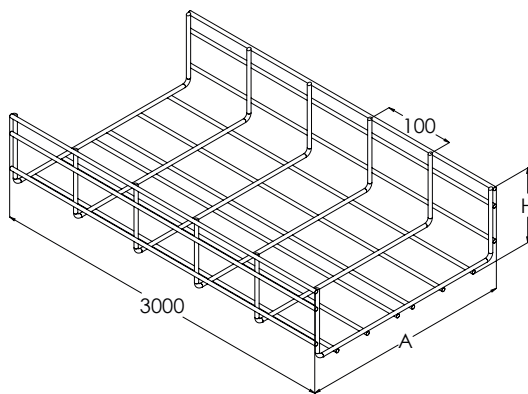
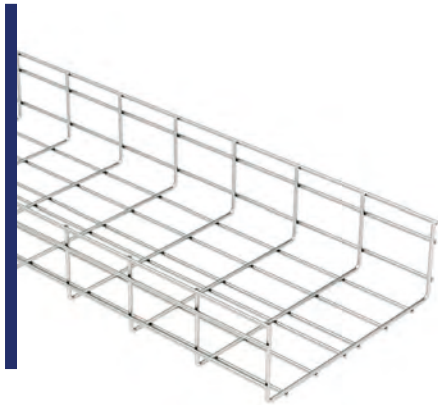
Compliant with the IEC 61537 standard.



Wire mesh tray WMT-100



100 mm height wire mesh trays. Wire mesh trays are used mainly for lower load capacities, lightweight cables, angular lines or at places with special requirements for ventilation or hygienic e.g. ICT, food industry and renewable energy solutions.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448415	WMT-100-100 L=3000 EG	3.23	100	103	75 PCE / 225 MTR
1448416	WMT-100-200 L=3000 EG	4.13	200	103	40 PCE / 120 MTR
1448417	WMT-100-300 L=3000 EG	7.88	300	107	30 PCE / 90 MTR
1448418	WMT-100-400 L=3000 EG	9.29	400	107	20 PCE / 60 MTR
1448419	WMT-100-500 L=3000 EG	10.7	500	107	20 PCE / 60 MTR
1448420	WMT-100-600 L=3000 EG	12.12	600	107	20 PCE / 60 MTR

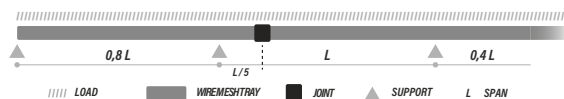
EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448515	WMT-100-100 L=3000 HDG	3.65	100	103	75 PCE / 225 MTR
1448516	WMT-100-200 L=3000 HDG	4.67	200	103	40 PCE / 120 MTR
1448517	WMT-100-300 L=3000 HDG	8.9	300	107	30 PCE / 90 MTR
1448518	WMT-100-400 L=3000 HDG	10.5	400	107	20 PCE / 60 MTR
1448519	WMT-100-500 L=3000 HDG	12.09	500	107	20 PCE / 60 MTR
1448520	WMT-100-600 L=3000 HDG	13.69	600	107	20 PCE / 60 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 :C1-C4

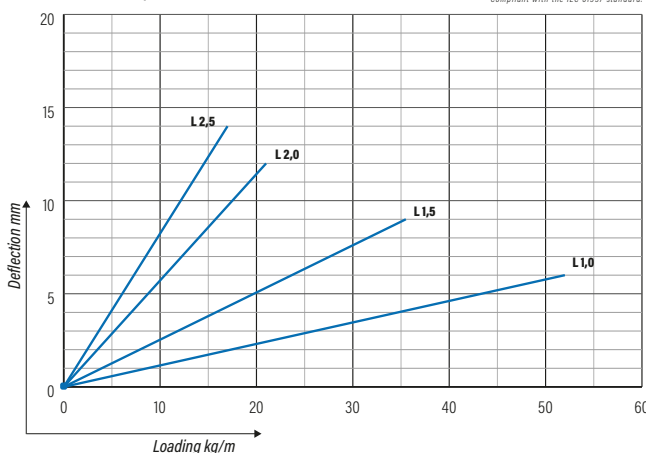
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448615	WMT-100-100 L=3000 HST	3.31	100	103	75 PCE / 225 MTR
1448616	WMT-100-200 L=3000 HST	4.24	200	103	40 PCE / 120 MTR
1448617	WMT-100-300 L=3000 HST	8.08	300	107	30 PCE / 90 MTR
1448618	WMT-100-400 L=3000 HST	9.53	400	107	20 PCE / 60 MTR
1448619	WMT-100-500 L=3000 HST	10.98	500	107	20 PCE / 60 MTR
1448620	WMT-100-600 L=3000 HST	12.43	600	107	20 PCE / 60 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



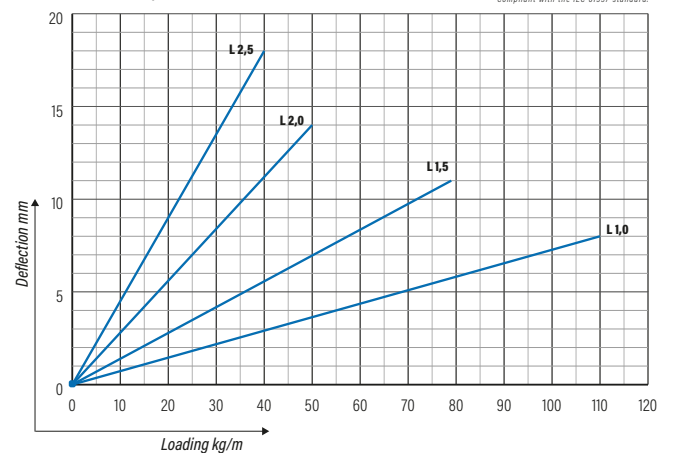
WMT 100 | WIDTHS 100, 200

Compliant with the IEC 61537 standard.



WMT 100 | WIDTHS 300, 400, 500, 600

Compliant with the IEC 61537 standard.



Wire mesh tray WMT-150

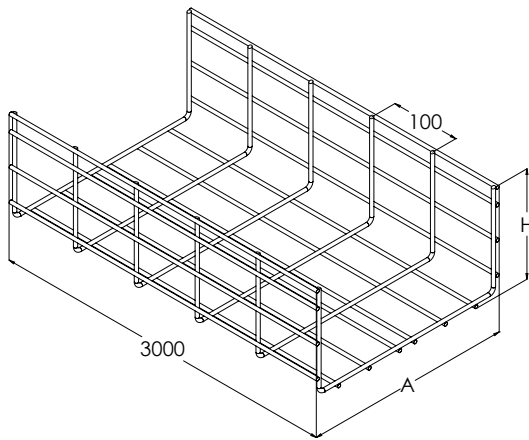


150 mm height wire mesh trays. Wire mesh trays are used mainly for lower load capacities, lightweight cables, angular lines or at places with special requirements for ventilation or hygienic e.g. ICT, food industry and renewable energy solutions.



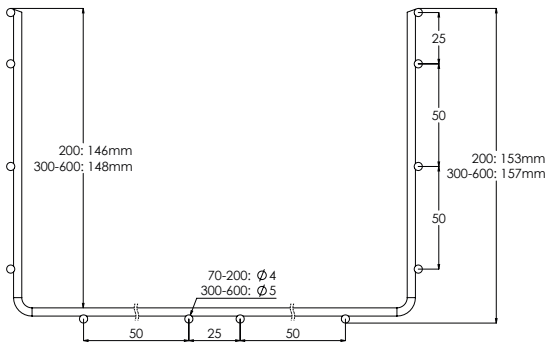
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448423	WMT-150-200 L=3000 EG	5.04	200	153	32 PCE / 96 MTR
1448424	WMT-150-300 L=3000 EG	9.29	300	157	24 PCE / 72 MTR
1448425	WMT-150-400 L=3000 EG	10.7	400	157	16 PCE / 48 MTR
1448426	WMT-150-500 L=3000 EG	12.12	500	157	16 PCE / 48 MTR
1448427	WMT-150-600 L=3000 EG	13.53	600	157	16 PCE / 48 MTR

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2



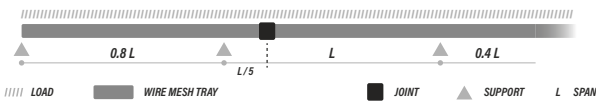
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448523	WMT-150-200 L=3000 HDG	5.7	200	153	32 PCE / 96 MTR
1448524	WMT-150-300 L=3000 HDG	10.5	300	157	24 PCE / 72 MTR
1448525	WMT-150-400 L=3000 HDG	12.09	400	157	16 PCE / 48 MTR
1448526	WMT-150-500 L=3000 HDG	13.7	500	157	16 PCE / 48 MTR
1448527	WMT-150-600 L=3000 HDG	15.29	600	157	16 PCE / 48 MTR

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4



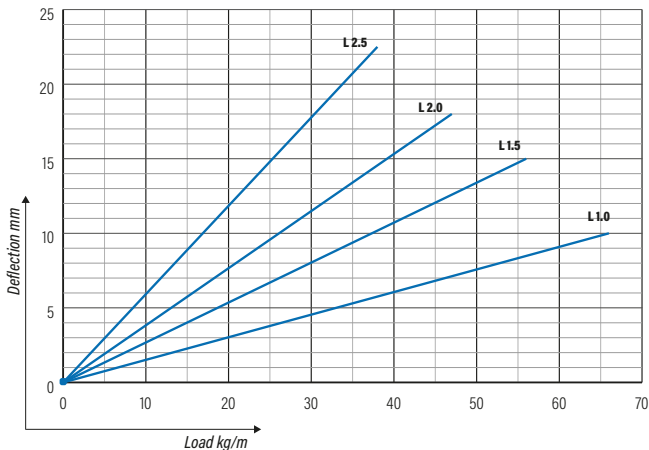
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	H mm	PACKAGE
1448623	WMT-150-200 L=3000 HST	5.17	200	153	32 PCE / 96 MTR
1448624	WMT-150-300 L=3000 HST	9.53	300	157	24 PCE / 72 MTR
1448625	WMT-150-400 L=3000 HST	10.98	400	157	16 PCE / 48 MTR
1448626	WMT-150-500 L=3000 HST	12.44	500	157	16 PCE / 48 MTR
1448627	WMT-150-600 L=3000 HST	13.88	600	157	16 PCE / 48 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



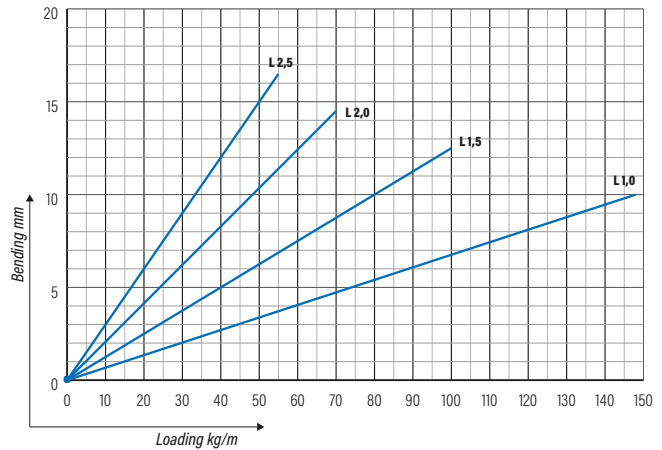
WMT 150-200

Compliant with the IEC 61537 standard.



WMT 150 | WIDTHS 300, 400, 500, 600

Compliant with the IEC 61537 standard.

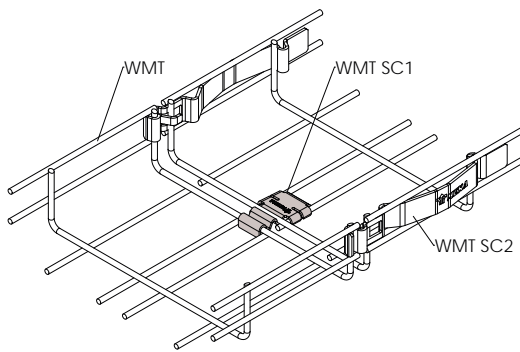
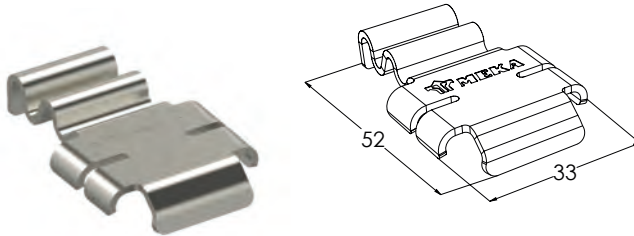


Snap in connector WMT SC1



Snap in connectors WMT SC1 are used for fast extension of 70-200 mm wide and 50-150 mm height wire mesh trays. Installation on bottom of trays. Correctly installed connectors create a sufficient electrical conductivity, which eliminates the need to install a separate grounding wire between wire mesh trays.

Sales unit of WMT SC1 is package that includes 10 connectors.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448723	WMT SC1 EG	0.02	10 PCE / 1 BG
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448724	x WMT SC1 HDG	0.02	10 PCE / 1 BG
HDG	HDG or corresponding corrosion protection : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448725	WMT SC1 HST	0.02	10 PCE / 1 BG
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

Snap in connector WMT SC1 is compatible with wire mesh trays that are 70-200 mm wide.

Wire mesh quick joints are made by first slotting and pushing snap in connector WMT SC1 in to the bottom of the tray, to the joint of the wire mesh trays, and then slotting and pushing in snap in connector WMT SC2 on both sides of the tray.



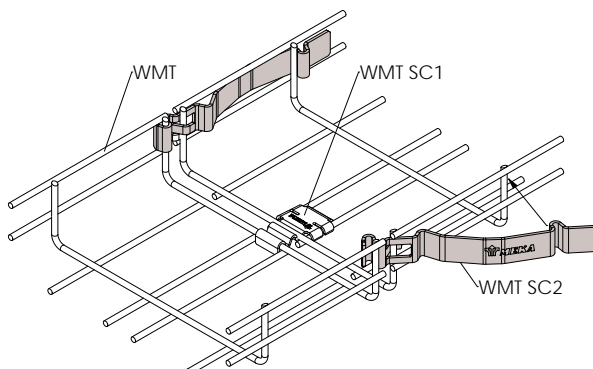
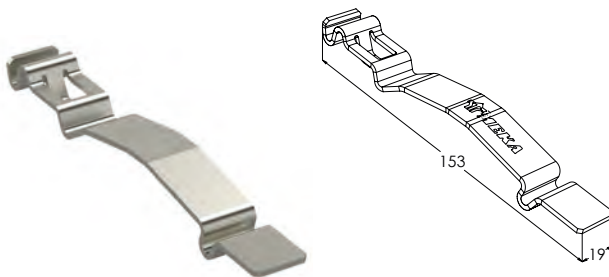
See the installation video.

Snap in connector WMT SC2



Snap in connectors WMT SC2 are used for fast extension of 70-200 mm wide and 50-150 mm height wire mesh trays. Installation on both sides of trays. Correctly installed connectors create a sufficient electrical conductivity, which eliminates the need to install a separate grounding wire between wire mesh trays.

Sales unit of WMT SC2 is package that includes 10 connectors.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448726	x WMT SC2 EG	0.06	10 PCE / 1 BG
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448727	x WMT SC2 HDG	0.06	10 PCE / 1 BG
HDG	HDG or corresponding corrosion protection : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448728	WMT SC2 HST	0.06	10 PCE / 1 BG
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

Snap in connector WMT SC2 is compatible with wire mesh trays that are 70-200mm wide.

Wire mesh quick joints are made by first slotting and pushing snap in connector WMT SC1 in to the bottom of the tray, to the joint of the wire mesh trays, and then slotting and pushing in snap in connector WMT SC2 on both sides of the tray.



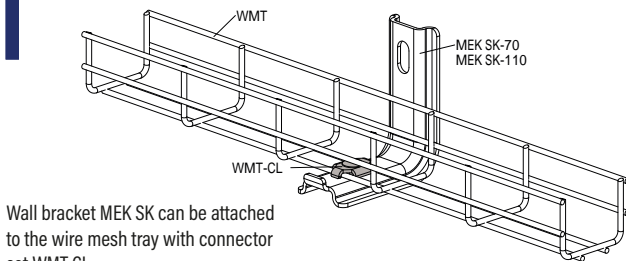
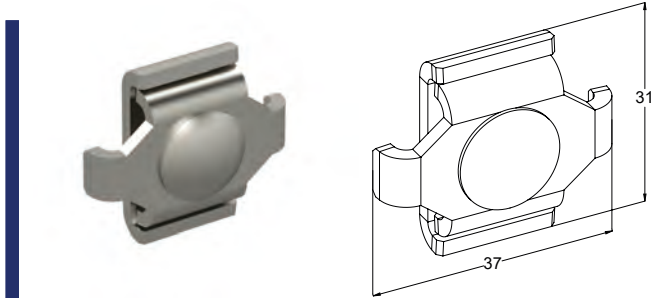
See the installation video.

Connector set WMT CL

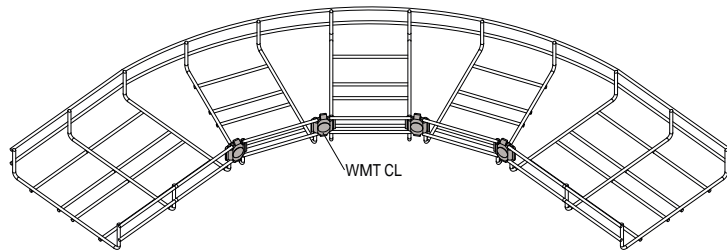


Connector sets WMT CL are used to extend wire mesh trays, attach trays to supports as well as make horizontal bends. Correctly installed joints create a sufficient electrical conductivity, which eliminates the need to install a separate grounding wire between wire mesh trays. Product set includes two plates, bolt and nut for fixing.

Sales unit of WMT CL is package that includes 20 product sets.



Wall bracket MEK SK can be attached to the wire mesh tray with connector set WMT CL.



90° bends can be formed with connector set WMT CL by cutting the wire mesh tray as shown in the image and joining the edges together.

CODE	PRODUCT	WGT.	PACKAGE
1448710	X WMT CL EG <small>x = stock product</small>	0.032 kg / pc	20 PCE / 1 BG
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		
<i>Product includes screw set: 1448720 RS 4 EG (1 PCE)</i>			

CODE	PRODUCT	WGT.	PACKAGE
1448703	X WMT CL HDG <small>x = stock product</small>	0.033 kg / pc	20 PCE / 1 BG
HDG	HDG or corresponding corrosion protection : C1-C4		
<i>Product includes screw set: 1448721 RS 4 HDG (1 PCE)</i>			

CODE	PRODUCT	WGT.	PACKAGE
1448706	X WMT CL HST <small>x = stock product</small>	0.032 kg / pc	20 PCE / 1 BG
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
<i>Product includes screw set: 1448722 RS 4 HST (1 PCE)</i>			



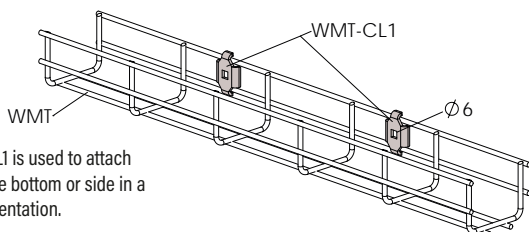
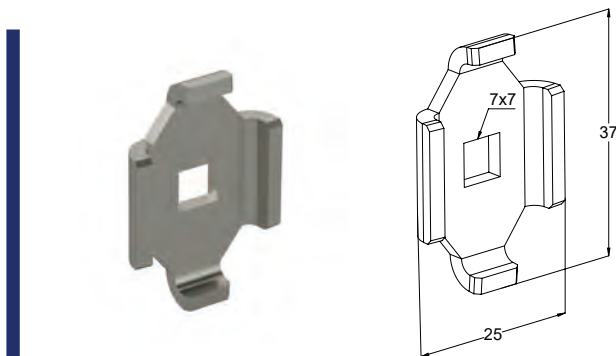
[See the installation video.](#)

Connector plate WMT CL1



Connector plates WMT CL1 are used for mounting wire mesh trays to wall or floor. The plates are suitable for 70-100 mm width and 50-150 mm height trays.

Sales unit of WMT CL1 is package that includes 20 pieces of WMT CL1.



Connector plate WMT CL1 is used to attach wire mesh trays from the bottom or side in a vertical or horizontal orientation.

CODE	PRODUCT	WGT.	PACKAGE
1448712	X WMT CL1 EG <small>x = stock product</small>	0.013 kg / pc	20 PCE / 1 BG
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		

CODE	PRODUCT	WGT.	PACKAGE
1448709	X WMT CL1 HDG <small>x = stock product</small>	0.014 kg / pc	20 PCE / 1 BG
HDG	HDG or corresponding corrosion protection : C1-C4		

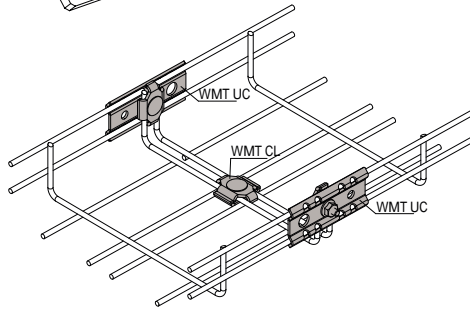
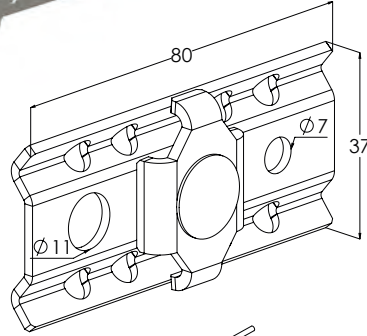
CODE	PRODUCT	WGT.	PACKAGE
1448700	X WMT CL1 HST <small>x = stock product</small>	0.013 kg / pc	20 PCE / 1 BG
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

Connection set WMT UC



Connection sets WMT UC are used to extend 50, 100 and 150 mm height wire mesh trays. Installation on both sides of trays. Correctly installed joints create a sufficient electrical conductivity, which eliminates the need to install a separate grounding wire between wire mesh trays. Product set includes plates UC1 and CL1, M6x20 bolt and M6 nut for fixing.

Sales unit of WMT UC is package that includes 10 product sets.



Two wire mesh trays can be joined together with two WMT UC connection sets and one WMT CL connector set.

CODE	PRODUCT	WGT.	PACKAGE
1448711	x WMT UC EG	0.061	10 PCE / 1 BG

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

Product includes screw set: 1448720 RS 4 EG (1 PCE)

CODE	PRODUCT	WGT.	PACKAGE
1448701	x WMT UC HDG	0.062	10 PCE / 1 BG

HDG HDG or corresponding corrosion protection : C1-C4

Product includes screw set: 1448721 RS 4 HDG (1 PCE)

CODE	PRODUCT	WGT.	PACKAGE
1448702	x WMT UC HST	0.061	10 PCE / 1 BG

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Product includes screw set: 1448722 RS 4 HST (1 PCE)



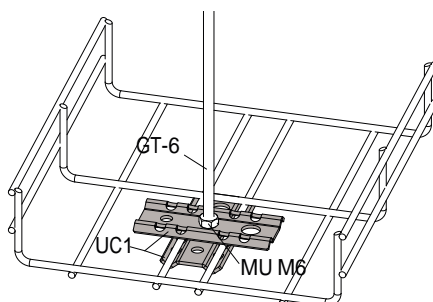
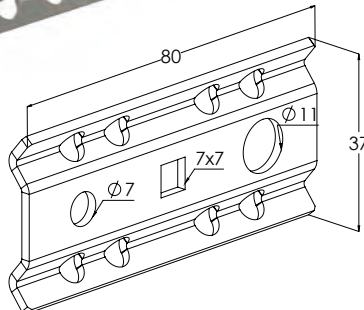
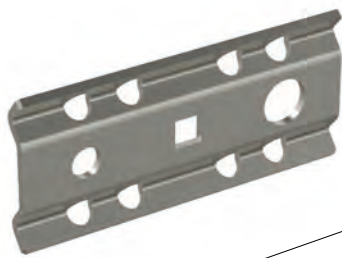
See the installation video.

Connection plate WMT UC1



Connection plates WMT UC1 are used to support wire mesh trays from the bottom.

Sales unit of WMT UC1 is package that includes 10 pieces of WMT UC1.



Wire mesh brackets can be suspended to the ceiling with two WMT UC1 connection plates. The wire mesh tray is attached between connection plates with threaded rod GT-6 and two MU M6 nuts.

CODE	PRODUCT	WGT.	PACKAGE
1448713	x WMT UC1 EG	0.041	10 PCE / 1 BG

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 :C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1448704	x WMT UC1 HDG	0.042	10 PCE / 1 BG

HDG HDG or corresponding corrosion protection :

CODE	PRODUCT	WGT.	PACKAGE
1448707	x WMT UC1 HST	0.041	10 PCE / 1 BG

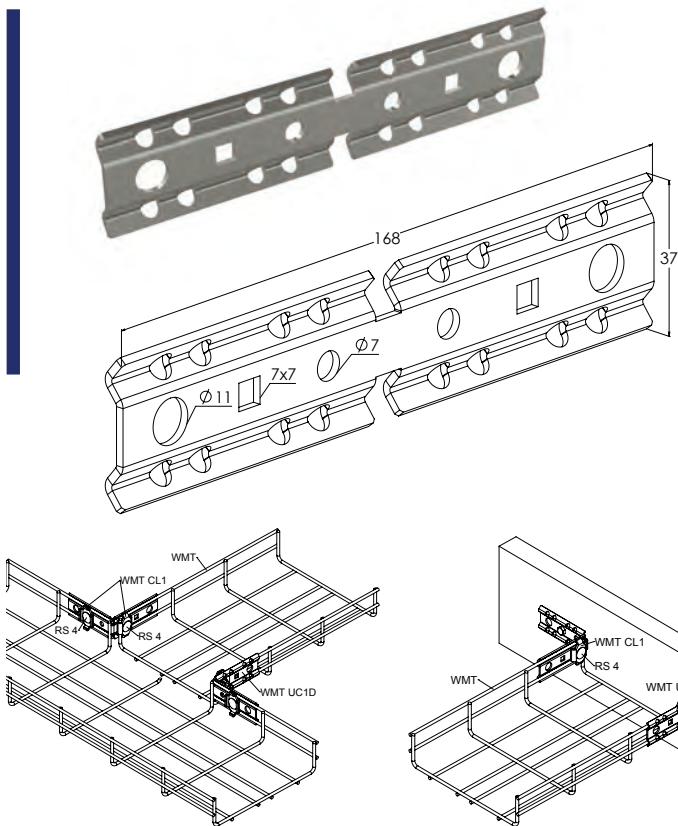
HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Connection plate WMT UC1D



WMT UC1D connection plates are used to make T- and X-connections in wire mesh trays as well as for mounting the ends of trays to a wall, floor or ceiling. Two WMT UC1D plates are needed for one connection or attachment. For fixing WMT UC1D to wire mesh trays plates WMT CL1 together with RS 4 bolt sets are suitable.

Sales unit of WMT UC1D is package that includes 10 plates.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448714	x WMT UC1D EG	0.083	10 PCE / 1 BG
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448705	x WMT UC1D HDG	0.084	10 PCE / 1 BG
HDG	HDG or corresponding corrosion protection : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448708	x WMT UC1D HST	0.083	10 PCE / 1 BG
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

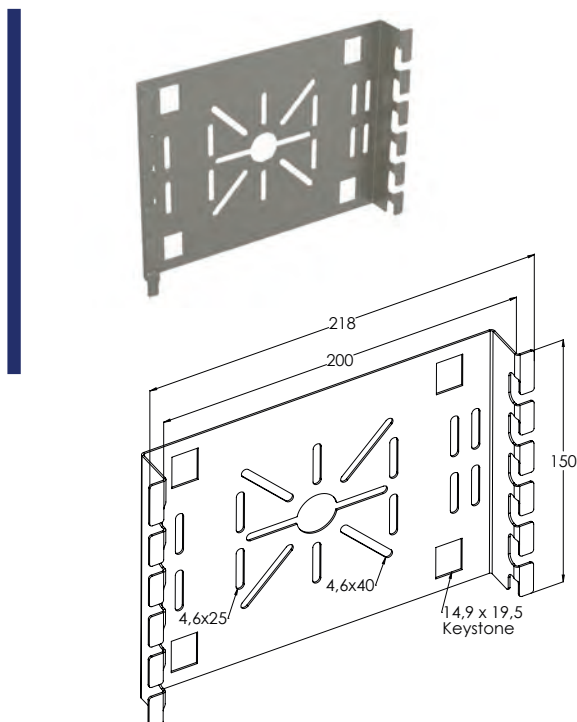
Connection plates WMT UC1D, WMT CL1 and screw set RS 4 can be used to make T-and X-junctions to the wire mesh trays or attach the tray to the wall, as shown in the images.

Mounting plate WMT IP1



Mounting plates WMT IP1 are used for mounting junction boxes and other devices to wire mesh trays. Mounting plates can be fixed to wire mesh trays by bending plates' hooks around the trays' wires. The useful space of WMT IP plate is 20x15 cm.

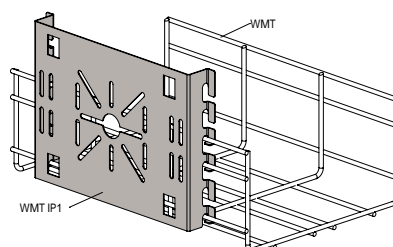
Devices mounted on the plates are clearly visible and easy to access later.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448730	x WMT IP1 PG	0.261	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448731	x WMT IP1 HDG	0.277	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448732	WMT IP1 HST	0.267	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		



Mounting plate WMT IP1 can be attached to wire mesh trays with the plate's hooks. Bend the hooks into the wire.

End plug WMT EP4 and WMT EP5

End plugs WMT EP are used to cover wire mesh trays wires' ends. Depending on WMT-tray's type the 4 or 5 mm diameter end plugs have to be selected.

End plugs are made of LDPE plastic, which is suitable for food and beverage applications. Orange colour plugs are visible in dim light that is important for security reason.

Sales unit of WMT EP is package that includes 100 end plugs.



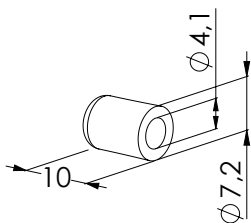
CODE	PRODUCT	PACKAGE
1448718	x WMT EP4	100 PCE / 1 BG

Orange plastic

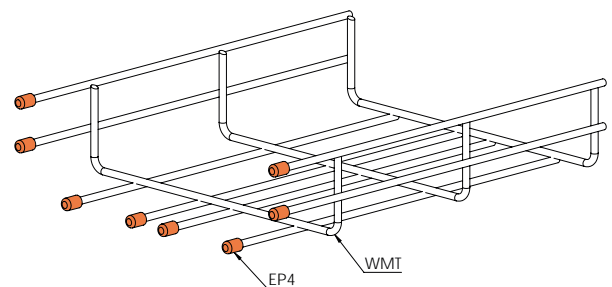
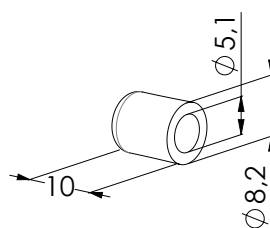
CODE	PRODUCT	PACKAGE
1448719	x WMT EP5	100 PCE / 1 BG

Orange plastic

WMT EP4



WMT EP5



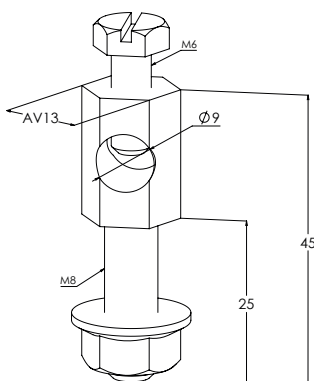
Press the plug on the ends of the cut wires.

Earthing terminal PE



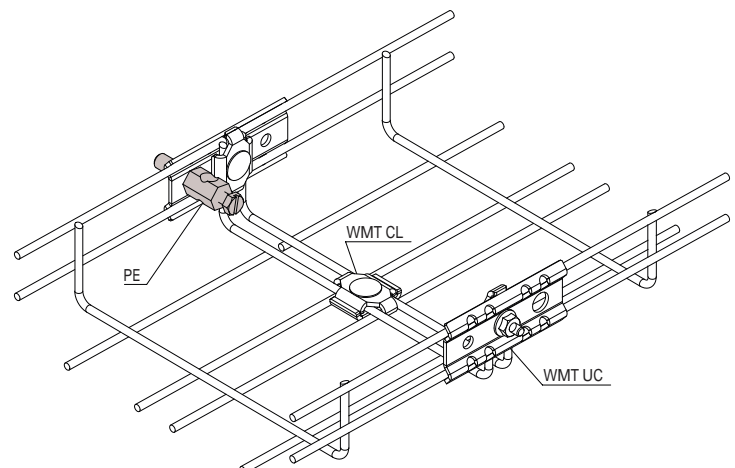
Earthing terminals PE are used to ground cable ladders, lighting support rails, cable trays and wire mesh trays at places where it is especially needed. PE terminal has $\varnothing 9$ mm hole for fixing the earthing wire.

Mounting can be done easily into cable ladders' rungs or cable trays' perforation. Product set includes bolt and nut.



CODE	PRODUCT	WGT.	PACKAGE
1449799	x PE HDG	0.033 kg / pc	10 PCE

HDG HDG or corresponding corrosion protection : C1-C4



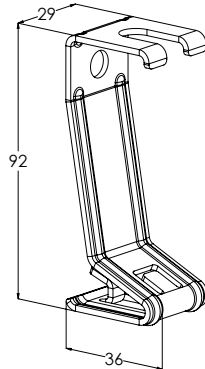
The earthing terminal is used to connect an earthing cable to the wire mesh tray's joints. Earthing screw PE is attached to the hole on connection set WMT UC.

Intermediate support WMT CS



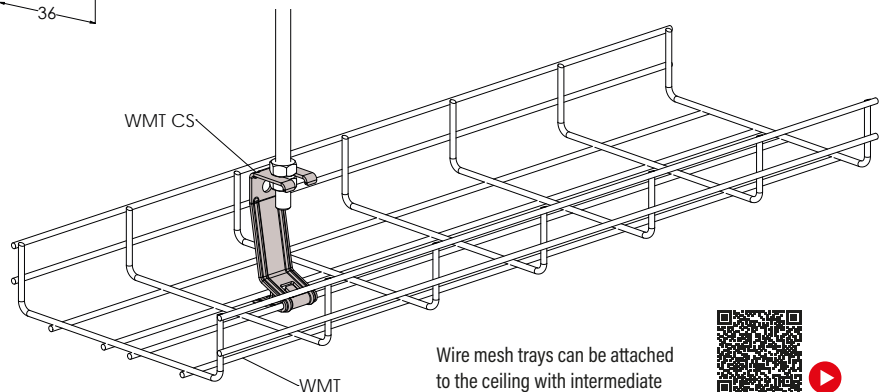
Intermediate supports WMT CS are used for mounting wire mesh trays to the ceiling with 10 mm threaded rods. If threaded rods are smaller than suitable washers and nuts have to be used. The adjustment range of WMT CS is ~50mm. Wire mesh trays can be fixed to supports by bending supports' hooks around the trays' wires. The safe working load of the WMT CS up to 30 kg.

Sales unit of WMT CS is package that includes 10 supports.



CODE	PRODUCT	WGT.	PACKAGE
1448753	x WMT CS-10 EG	0.07 kg / pc	10 PCE / 1 BG
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		

CODE	PRODUCT	WGT.	PACKAGE
1448754	x WMT CS-10 HDG	0.07 kg / pc	10 PCE / 1 BG
HDG	HDG or corresponding corrosion protection : C1-C4		



Wire mesh trays can be attached to the ceiling with intermediate WMT CS and threaded rod GT-10.



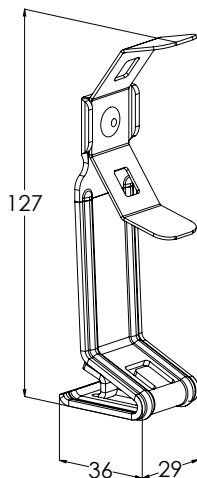
[See the installation video.](#)

Intermediate support WMT CSF



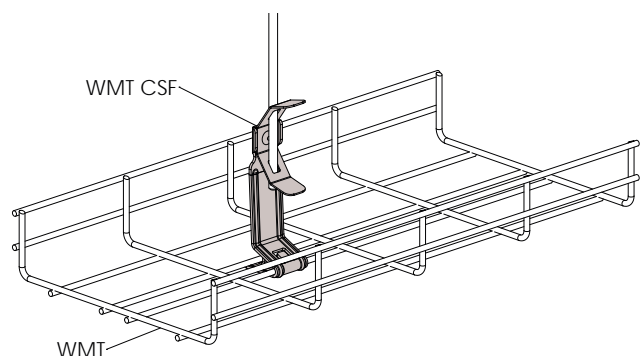
Intermediate supports WMT CSF are used for mounting wire mesh trays to the ceiling with 6 mm threaded rods. When using WMT CSF the height adjustment of trays is fast and easy by bending with fingers support's spring plates and fixing the support at the suitable level. Wire mesh trays can be fixed to supports by bending supports' hooks around the trays' wires. The safe working load of the WMT CSF up to 30 kg.

Sales unit of WMT CSF is package that includes 10 supports.



CODE	PRODUCT	WGT.	PACKAGE
1448750	x WMT CSF-6 EG	0.08 kg / pc	10 PCE / 1 BG
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		

CODE	PRODUCT	WGT.	PACKAGE
1448751	x WMT CSF-6 HDG	0.08 kg / pc	10 PCE / 1 BG
HDG	HDG or corresponding corrosion protection : C1-C4		

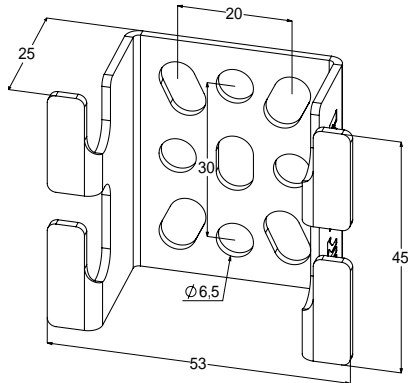


Wire mesh trays can be attached to the ceiling with intermediate WMT CSF and threaded rod GT-6.

Wall bracket WMT WB1



Wall brackets WMT WB1 are used for mounting wire mesh trays to wall or floor. Suitable for 70-100 mm width and 50-150 mm height trays. Wire mesh trays can be fixed to wall brackets by bending brackets' hooks around the trays' wires.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448740	x WMT WB1 PG	0.04	10 PCE

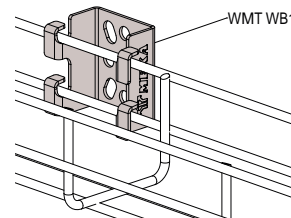
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		
----	---	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448741	x WMT WB1 HDG	0.042	10 PCE

HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		
-----	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448742	x WMT WB1 HST	0.041	10 PCE

HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
-----	--	--	--

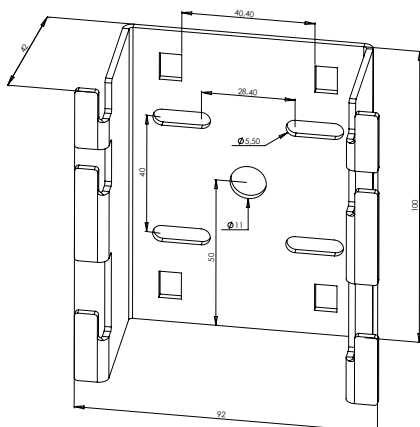
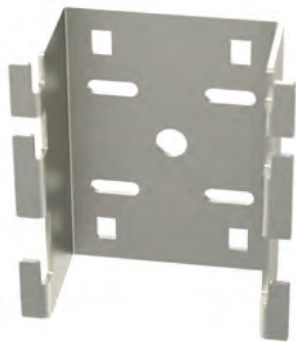


Wire mesh trays can be attached to the wall or floor with wall bracket WMT WB1. Attach the wire mesh tray to the hooks on the bracket and bend the hooks into the wire.

Wall bracket WMT WB2

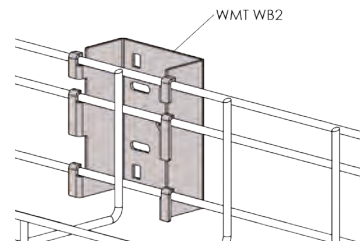


Wall brackets WMT WB2 are used for mounting wire mesh trays to wall or floor. Suitable for 100-600 mm width and 30-150 mm height trays. Wire mesh trays can be fixed to wall brackets by bending brackets' hooks around the trays' wires.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1448744	WMT WB2 XPG	0.232	10 PCE

XPG	Manufactured of coated steel in accordance with standard EN 10346 :C1-C4		
-----	--	--	--



Wire mesh trays can be attached to the wall or floor with wall bracket WMT WB2. Attach the wire mesh tray to the hooks on the bracket and bend the hooks into the wire.



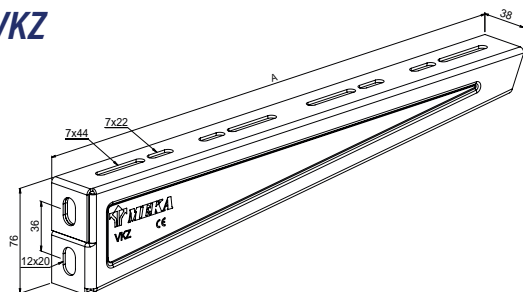
Wall support VKZ



Wall supports VKZ are used for mounting cable ladders, cable trays and wire mesh trays directly to wall, AS-type mounting rails, HK- and TP2-type ceiling supports. For fastening to rails and supports sliding nuts SMT, TB and AKM and bolt sets RS can be used.

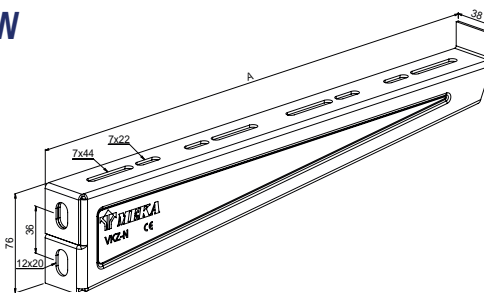
The safe working load of VKZ wall supports depends on type and is from 100 to 250 kg.

VKZ



The HST product differs in appearance from the PG and HDG products.

VKZ-N



The HST product differs in appearance from the PG and HDG products.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429105	VKZ-100 PG	0.15	111	250	10 PCE
1429106	VKZ-200 PG	0.25	211	250	10 PCE
1429107	VKZ-300 PG	0.48	311	150	10 PCE
1429108	VKZ-400 PG	0.6	411	150	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2				

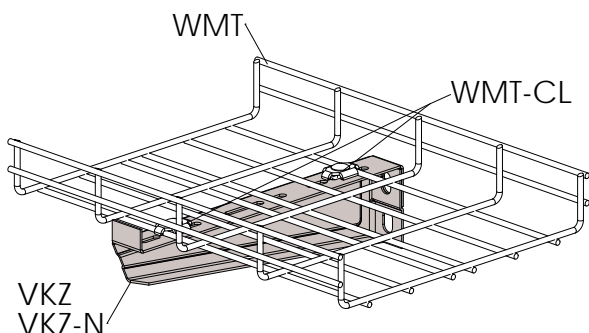
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429109	VKZ-100 HDG	0.17	111	250	10 PCE
1429110	VKZ-200 HDG	0.28	211	250	10 PCE
1429111	VKZ-300 HDG	0.54	311	150	10 PCE
1429112	VKZ-400 HDG	0.68	411	150	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4				

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429113	VKZ-100 HST	0.15	111	100	10 PCE
1429114	VKZ-200 HST	0.25	211	100	10 PCE
1429115	VKZ-300 HST	0.49	311	100	10 PCE
1429116	VKZ-400 HST	0.61	411	100	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX				

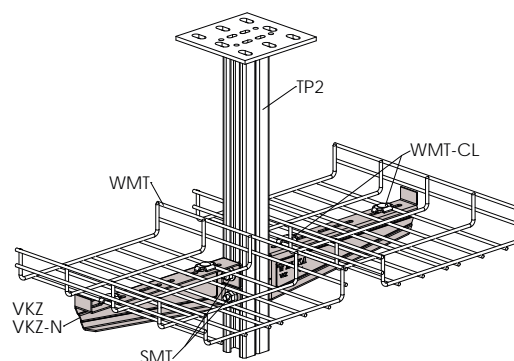
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429117	VKZ-N-100 PG	0.17	114	250	10 PCE
1429118	VKZ-N-200 PG	0.28	214	250	10 PCE
1429119	VKZ-N-300 PG	0.55	314	150	10 PCE
1429121	VKZ-N-400 PG	0.68	414	150	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2				

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429122	VKZ-N-100 HDG	0.2	114	250	10 PCE
1429123	VKZ-N-200 HDG	0.31	214	250	10 PCE
1429124	VKZ-N-300 HDG	0.62	314	150	10 PCE
1429125	VKZ-N-400 HDG	0.76	414	150	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4				

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1429126	VKZ-N-100 HST	0.18	114	100	10 PCE
1429127	VKZ-N-200 HST	0.29	214	100	10 PCE
1429128	VKZ-N-300 HST	0.56	314	100	10 PCE
1429129	VKZ-N-400 HST	0.69	414	100	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX				



Wall support VKZ can be attached directly to the wall with the applicable fasteners.



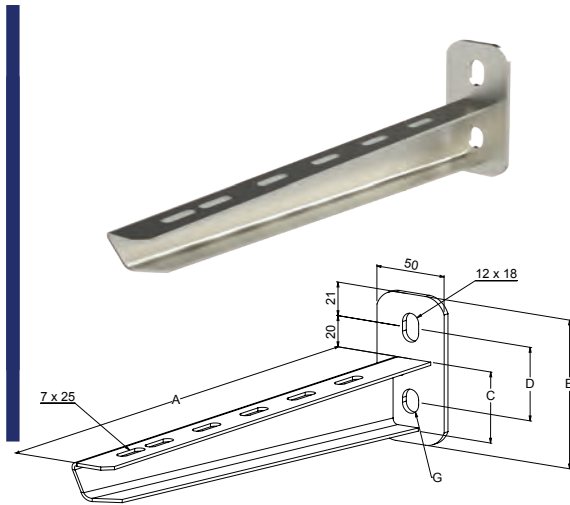
Wall support VKZ is attached to ceiling support TP2 with sliding nut SMT.

Wall support VK



Wall supports VK are used for mounting cable ladders, cable trays and wire mesh trays directly to wall, AS-type mounting rails, HK- and TP2-type ceiling supports. For fastening to rails and supports sliding nuts SMT, TB and AKM and bolt sets RS can be used.

The safe working load of VK wall supports is up to 200 kg.

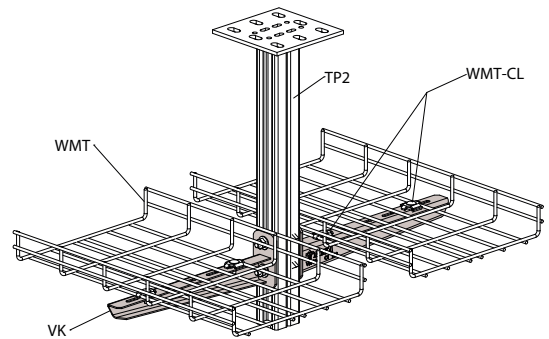
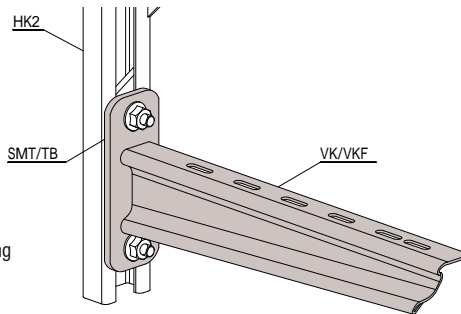


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	B mm	C mm	D mm	G mm	LOADING max. kg	PACKAGE
1449590	x VK-150 2KN HDG	0.35	190	93	37	46	12x15	200	10 PCE
1449591	x VK-200 2KN HDG	0.41	240	93	40	46	12x15	200	10 PCE
1449592	x VK-300 2KN HDG	0.55	340	93	45	46	12x15	200	10 PCE
1449593	x VK-400 2KN HDG	0.79	440	108	50	56	12x18	200	10 PCE
1449594	x VK-500 2KN HDG	1.12	540	155	74	118	12x18	200	10 PCE
1449595	x VK-600 2KN HDG	1.29	640	155	80	118	12x18	200	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

Wall support VK can be attached to the ceiling support TP2 with a sliding nut SMT.

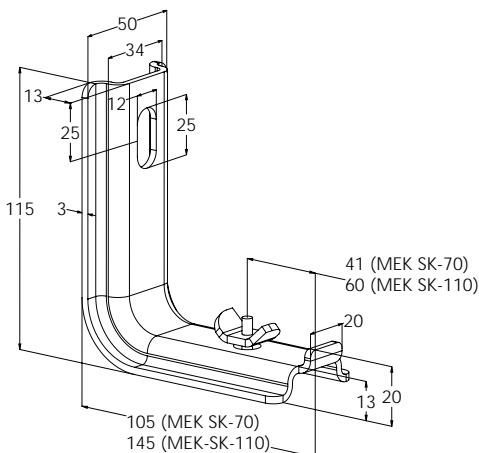
Wall support VK can be attached to the ceiling support HK2 with a sliding nut SMT or TB.



Wall support MEK SK



Wall supports MEK SK are used for mounting MEK-type lighting support rails and wire mesh trays WMT to wall. Product set includes bolt and nut for fixing lighting supports rails to wall supports, but for mounting wire mesh trays connectors WMT CL can be ordered separately.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449379	MEK SK-70 M	0.27	140	10 PCE
1449380	MEK SK-110 M	0.31	140	10 PCE

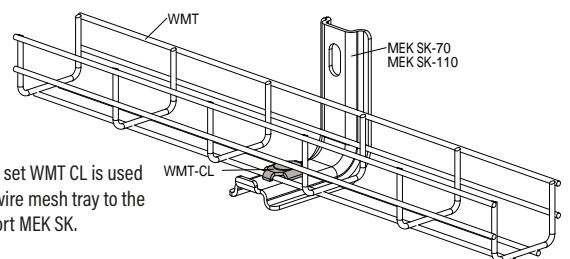
M White RAL 9010 polyester paint coating C1-C2

Product includes screw set: 1449124 RS MEK SK EG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449361	x MEK SK-70 PG	0.27	140	10 PCE
1449362	x MEK SK-110 PG	0.3	140	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449124 RS MEK SK EG (1 PCE)



Connector set WMT CL is used to attach wire mesh tray to the wall support MEK SK.

Wall support YPK



Wall supports YPK are used for mounting wire mesh trays WMT and KR-type cable trays to wall. YPK supports are suitable especially at places with limited space under the trays.



CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1431601	YPK-100 M	0.24	149	25	75	10 PCE
1431602	YPK-200 M	0.33	249	65	75	10 PCE
1431603	YPK-300 M	0.42	349	115	75	10 PCE
1431604	YPK-400 M	1.57	453	165	200	10 PCE
1431605	YPK-500 M	1.82	553	215	200	10 PCE
1431606	YPK-600 M	2.07	653	265	200	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

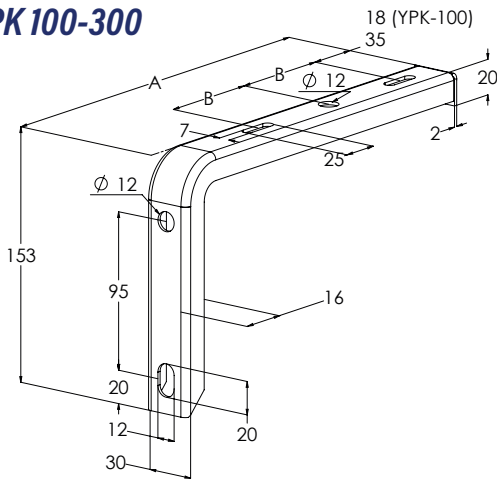
CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1431591	YPK-100 PG	0.24	149	25	75	10 PCE
1431592	YPK-200 PG	0.33	249	65	75	10 PCE
1431593	YPK-300 PG	0.41	349	115	75	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

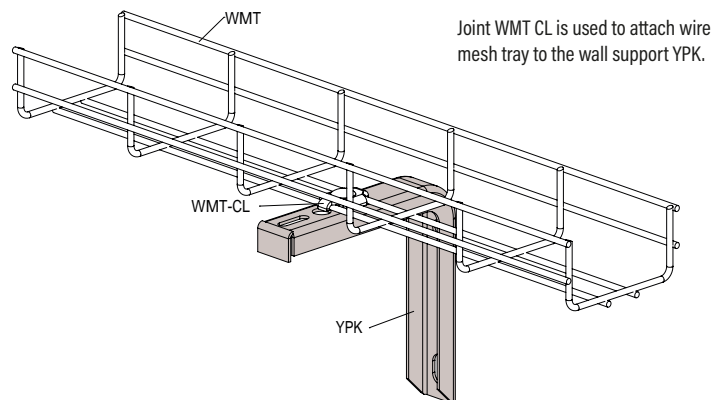
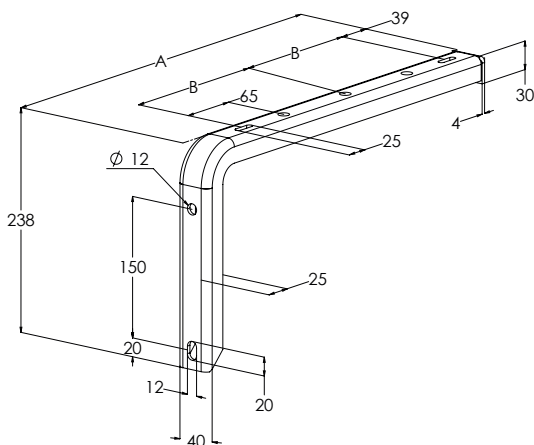
CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	A mm	B mm	LOADING max. kg	PACKAGE
1431594	YPK-400 EG	1.55	453	165	200	10 PCE
1431595	YPK-500 EG	1.81	553	215	200	10 PCE
1431596	YPK-600 EG	2.05	653	265	200	10 PCE

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

YPK 100-300



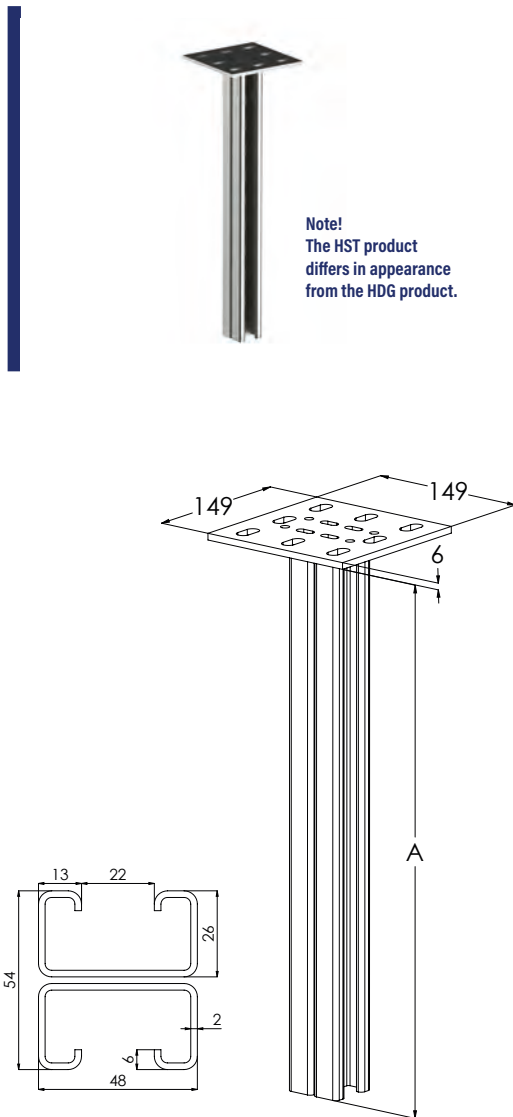
YPK 400-600



Ceiling support TP2



Ceiling supports TP2 are used for mounting cable ladders, cable trays and wire mesh trays to ceiling or floor. Cable ladders and trays can be mounted on both sides of TP2 at various level by using VK-type wall supports and sliding nuts SMT, AKM, TB or bolt sets RS.

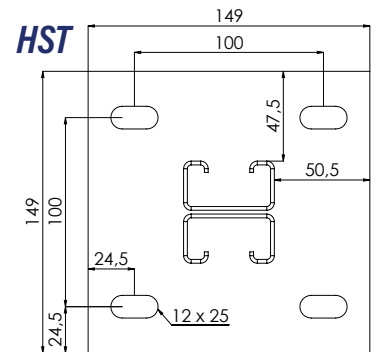
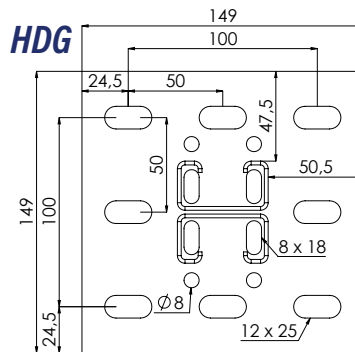


CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1449610	x TP2-500 HDG	2.81	495	5000	1 PCE
1449613	x TP2-1000 HDG	4.46	990	5000	1 PCE
1449615	x TP2-1500 HDG	6.23	1485	5000	1 PCE
1449617	x TP2-2000 HDG	8.27	1980	5000	1 PCE
1449618	x TP2-3000 HDG	11.71	3015	5000	1 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1430200	HST TP2-500	2.8	495	5000	1 PCE
1430201	HST TP2-1000	4.45	990	5000	1 PCE
1430202	HST TP2-1500	6.29	1485	5000	1 PCE
1430203	HST TP2-2000	8.07	1980	5000	1 PCE
1430204	HST TP2-3000	12	3015	5000	1 PCE

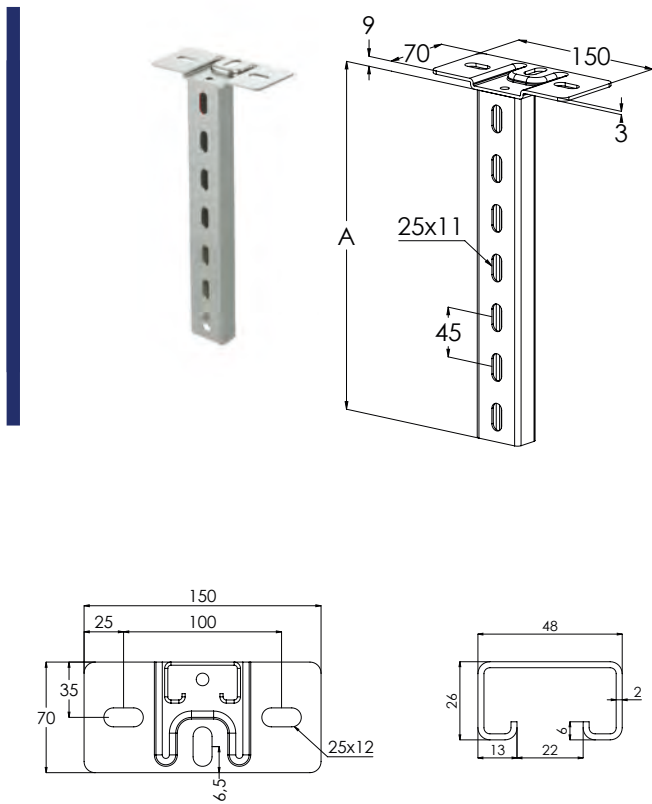
HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX



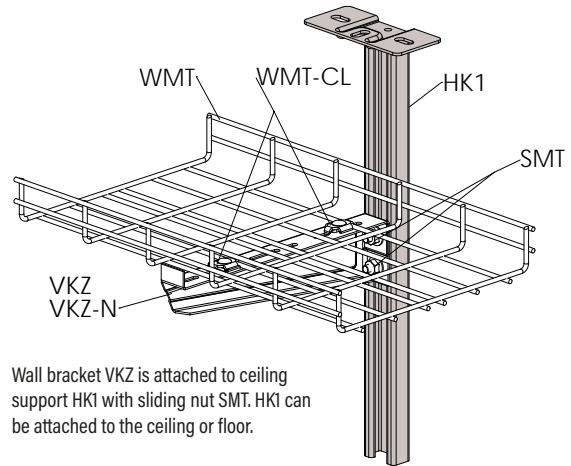
Ceiling support HK1



Ceiling supports HK1 are used to install cable ladders, -trays and wire mesh trays to ceiling or floor. Compatible supports for cable ladders and -trays that can be used together with HK1 are intermediate supports HK13, VK-type wall supports, gate supports TPK and mounting rails AS. HK1 supports can be installed near by walls.



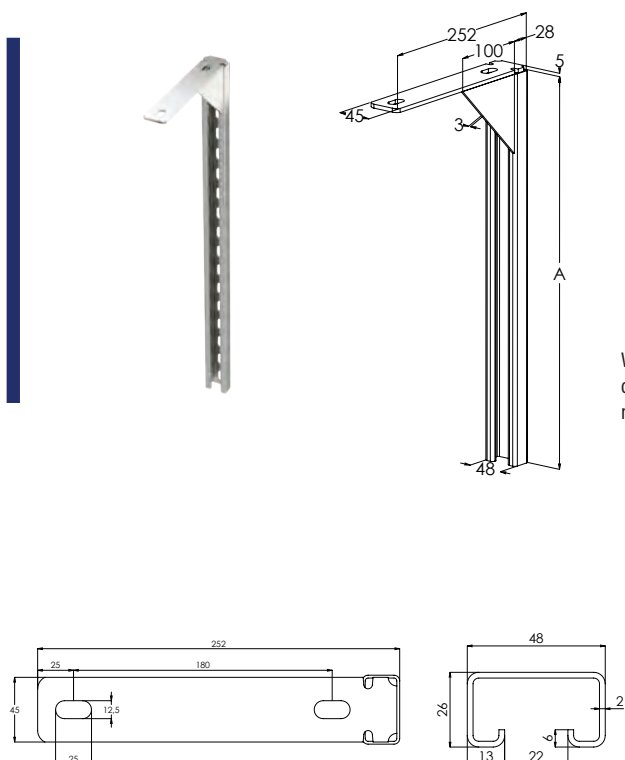
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	LOADING max. kg	PACKAGE
1449497	HK1-300 HDG	0.84	315	750	10 PCE
1449498	x HK1-500 HDG	1.13	495	750	10 PCE
1449499	HK1-750 HDG	1.69	765	750	10 PCE
1449500	HK1-1000 HDG	2.16	990	750	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4				



Ceiling support HK2

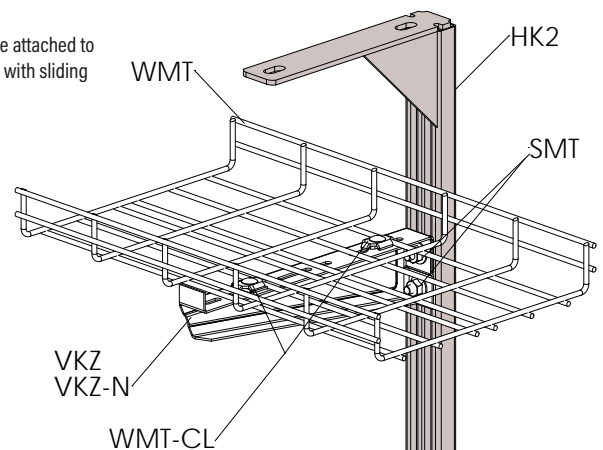


Ceiling supports HK2 are used to install cable ladders, -trays and wire mesh trays to ceiling or floor. Compatible supports for cable ladders and -trays that can be used together with HK2 are intermediate supports HK13, VK-type wall supports, gate supports TPK and mounting rails AS. HK2 supports can be installed near by walls.



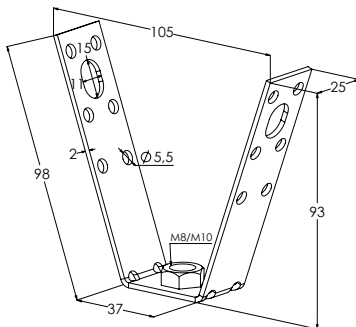
CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1449633	HK2-300 HDG	1.19	315	10 PCE
1449635	HK2-500 HDG	1.44	495	10 PCE
1449637	HK2-750 HDG	2.01	765	10 PCE
1449640	HK2-1000 HDG	2.43	990	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			

Wall brackets can be attached to ceiling support HK2 with sliding nuts SMT or TB.

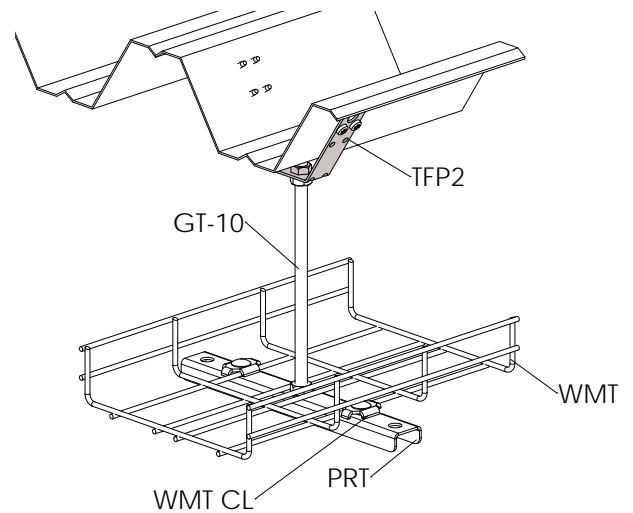


Ceiling bracket TFP2 PG

Ceiling brackets TFP2 are used for mounting GT-8 and GT-10 threaded rods to ceiling profiles and corrugated sheets. Brackets have nuts already at place, that makes fixing threaded rods fast and convenient. Brackets TFP2 have 12 \varnothing 5,5 mm and two 15x11 mm holes for fixing brackets to ceiling.



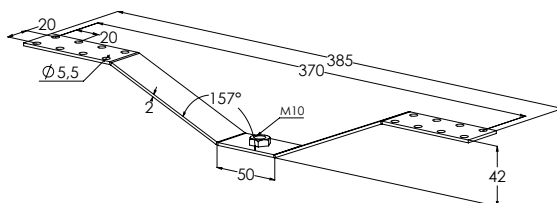
CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449209	TFP2 M8 PG	0.11	195	10 PCE
1449210	x TFP2 M10 PG	0.11	195	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			



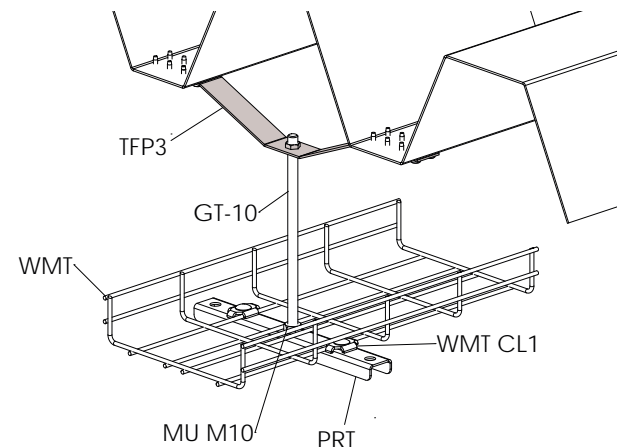
Gate support PRT is attached to ceiling bracket TFP 2 with threaded rod GT-10 and nuts MU M10.

Ceiling bracket TFP3 PG

Ceiling brackets TFP3 are used for mounting GT-10 threaded rods to ceiling profiles and corrugated sheets. Brackets have nuts already at place, that makes fixing threaded rods fast and convenient. Brackets TFP3 have 16 \varnothing 5,5 mm holes for fixing brackets to ceiling.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449240	TFP3 M10 PG	0.19	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

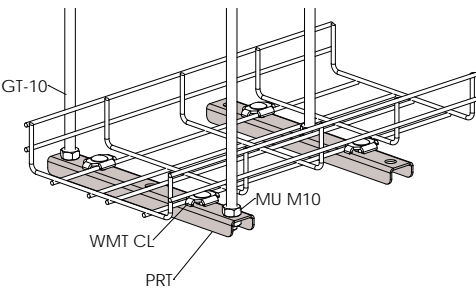
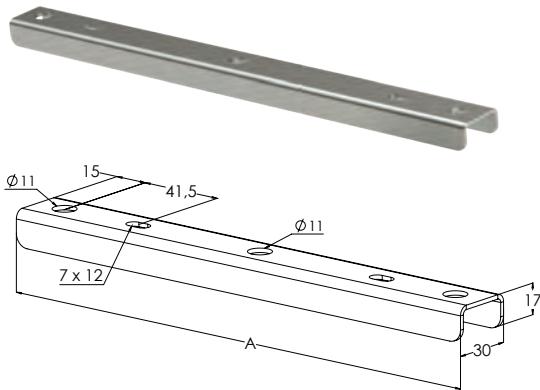


Gate support PRT is attached to ceiling bracket TFP 3 with threaded rod GT-10 and nuts MU M10.

Gate support PRT



Universal gate supports PRT are used as gate or intermediate supports for mounting cable ladders, cable trays and wire mesh trays to ceiling. Depending on loading division and width of trays the mounting can be made by using one or two threaded rods GT. For fixing cable ladders to PRT supports two brackets KK are recommended to use, wire mesh trays can be fixed with WMT CL connector sets and cable trays with bolt sets RS 5, if needed.



Wire mesh trays are attached to gate support PRT with bracket WMT CL or bracket CL1 and screw set RS 4.

Gate support PRT is attached to threaded rod GT-10 with nuts MU M10.

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1449970	x PRT-200 PG	0.21	250	20 PCE
1449971	x PRT-300 PG	0.3	350	20 PCE
1449972	PRT-400 PG	0.38	450	20 PCE
1449973	x PRT-500 PG	0.47	550	20 PCE
1449974	x PRT-600 PG	0.56	650	20 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	PACKAGE
1433448	x PRT-200 XPG	0.21	250	20 PCE
1433449	x PRT-300 XPG	0.3	350	20 PCE
1433450	x PRT-400 XPG	0.38	450	20 PCE
1433451	x PRT-500 XPG	0.47	550	20 PCE
1433452	x PRT-600 XPG	0.56	650	20 PCE

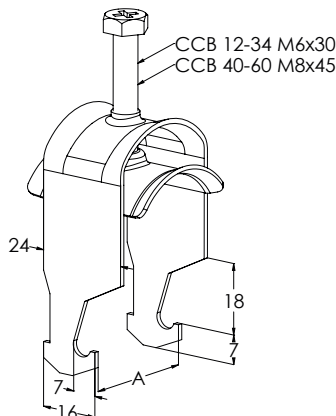
XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Cable clamp CCB



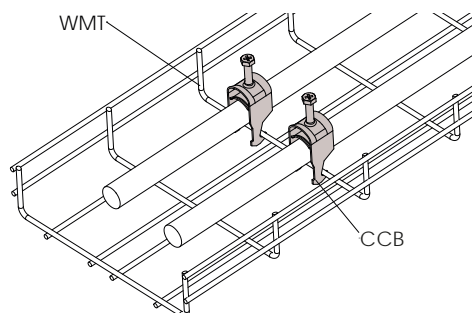
Cable clamps CCB are used to fix cables to cable ladders rungs from underneath, to wire mesh trays WMT and to rails CK. Tightening torque of clamps depends on size of clamps and is between 1 and 3 Nm.

Sales unit of CCB clamps is package that includes 10 pieces of clamps.



CODE	PRODUCT x = stock product	WGT. kg / pc	A mm	MOMENT max. Ø mm	MOMENT max. Nm	PACKAGE
1342020	x CCB-12 PG	0.023	13	5-12 mm	1	10 PCE / 1 BG
1342021	x CCB-14 PG	0.026	15	10-14 mm	1	10 PCE / 1 BG
1342022	x CCB-18 PG	0.029	19	14-18 mm	1	10 PCE / 1 BG
1342023	x CCB-22 PG	0.032	23	17-22 mm	1.5	10 PCE / 1 BG
1342024	x CCB-26 PG	0.036	27	21-26 mm	1.5	10 PCE / 1 BG
1342025	x CCB-30 PG	0.043	31	25-30 mm	1.5	10 PCE / 1 BG
1342026	x CCB-34 PG	0.046	35	29-34 mm	1.5	10 PCE / 1 BG
1342027	x CCB-40 PG	0.083	41	35-40 mm	2	10 PCE / 1 BG
1342028	x CCB-46 PG	0.092	47	41-46 mm	2	10 PCE / 1 BG
1342029	x CCB-52 PG	0.101	53	47-52 mm	2	10 PCE / 1 BG
1342030	x CCB-60 PG	0.111	62	53-60 mm	3	10 PCE / 1 BG

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2



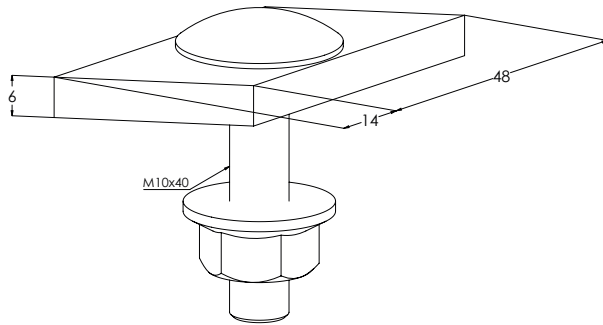
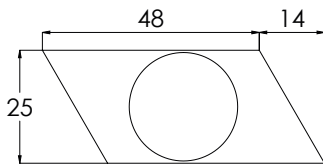
Cable clamp CCB is used to attach cables to wire mesh trays.

Note!
Check the maximum allowed torque for cable clamp CCB from the chart above.

Sliding nut SMT



Sliding nuts SMT are used to fasten VK-type wall supports to mounting rails AS, ASR, ASR-L and ASR-P as well as to ceiling supports HK1, HK2, TP2, TP2-L and TP2-P. Using SMT nuts allow smooth adjustment of the height of supports and setting the cableways straight.



CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1449684	x SMT HDG	0.096	800	10 PCE

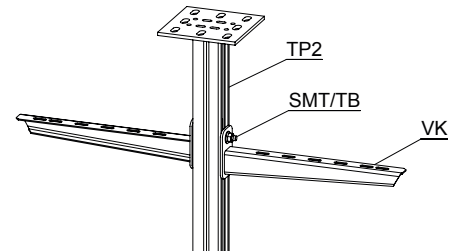
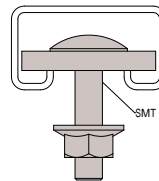
HDG	HDG or corresponding corrosion protection : C1-C4			
-----	---	--	--	--

Product includes screw set: 1449113 RS SMT HDG (1 PCE)

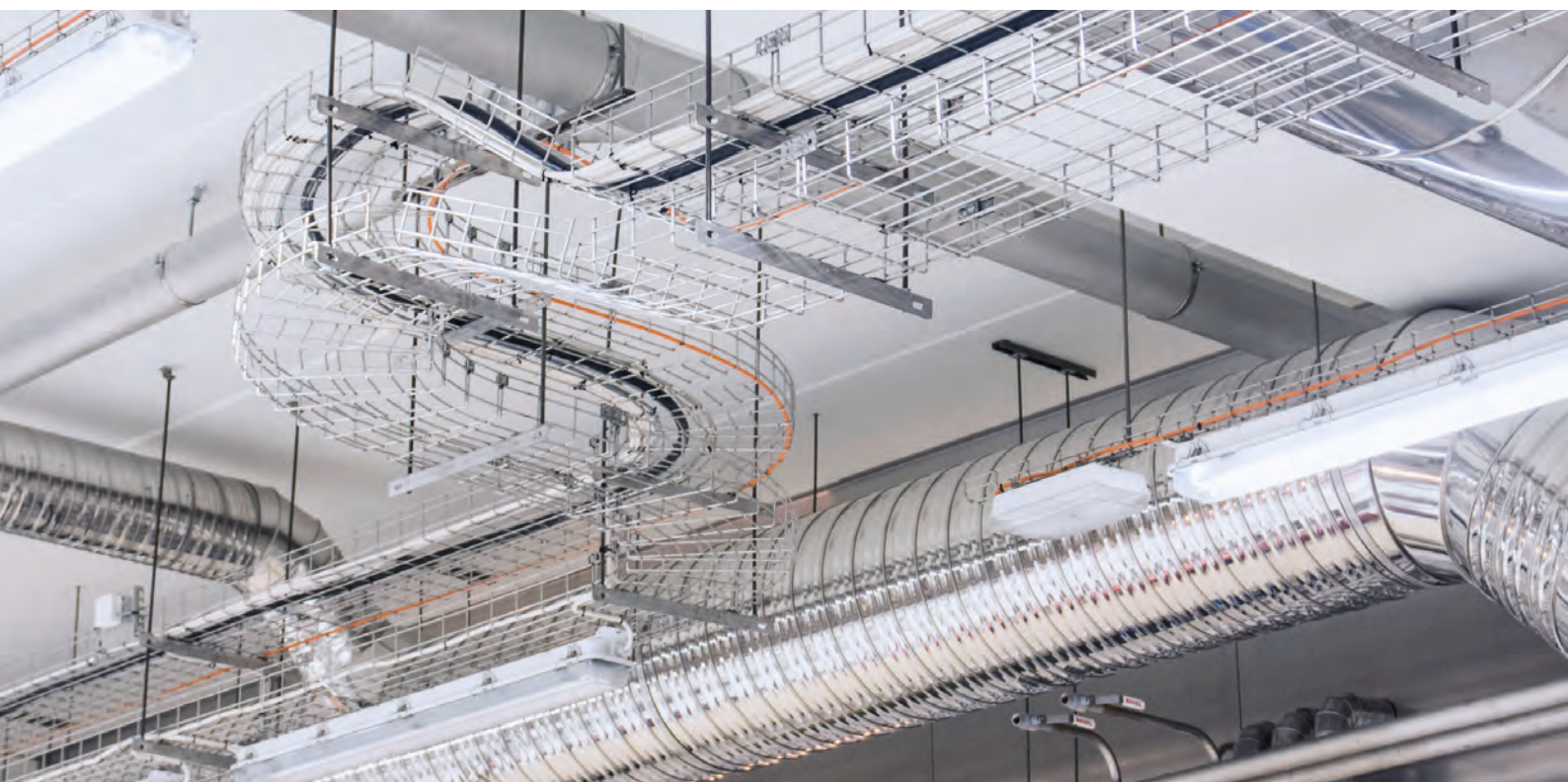
CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1430422	x HST SMT	0.098	800	10 PCE

HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX			
-----	--	--	--	--

Product includes screw set: 1430433 HST RS SMT (1 PCE)



Sliding nut SMT is slotted in the groove of a mounting rail or ceiling support, where it is locked in place by twisting its base inside the rail.



Repair paint SPRAY



Spray paint is used to repair smaller scratches and damages of surface.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	PACKAGE
1449709	x MEKA SPRAY ZN	0.38	12 PCE
1431809	x MEKA SPRAY RAL9010	0.4	12 PCE

Threaded rod



Threaded rods GT are used for suspending cable ladders and -trays with different types of supports as MK, PRT, HK13, TPK, RMK, MEK RK, CT-IS etc. and ceiling brackets as RTF-10, RTF-Z, TFP, TFP-A, for instance.

Threaded rods GT are available for corrosivity categories C1-CX.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1459420	GT-6 L=1000 EG	0.15	1000	270	20 PCE / 20 MTR
1449157	GT-8 L=2000 EG	0.5	2000	490	20 PCE / 40 MTR
1449650	x GT-10 L=2000 EG	0.98	2000	600	20 PCE / 40 MTR
1449651	GT-16 L=2000 EG	2.5	2000	1000	10 PCE / 20 MTR

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1449160	x GT-10 L=2000 HDG	0.98	2000	600	20 PCE / 40 MTR
1449161	GT-16 L=2000 HDG	2.5	2000	1000	10 PCE / 20 MTR

HDG HDG or corresponding corrosion protection : C1-C4

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1430418	HST GT-6 L=1000	0.17	1000	270	20 PCE / 40 MTR
1430420	HST GT-10 L=2000	1	2000	600	20 PCE / 40 MTR
1430421	HST GT-16 L=2000	2.63	2000	1000	10 PCE / 20 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Protective sleeve SS

White plastic protective sleeves SS are used to cover threaded rods GT. The protection is generally needed from design but using protective sleeves also prevents the accumulation of dust and dirt on the threaded rods, which is important from hygienic point of view.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	PACKAGE
1459426	SS-6 W	5.04	1 PCE / 250 MTR
1431800	x SS-10	3.16	1 PCE / 100 MTR
1431801	SS-16	6.18	1 PCE / 100 MTR

White plastic

Bolt set RS



Bolt sets RS include nut and bolt and are used to connect different Meka products.



CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1449122	x RS TKU M	M5x10	0.01	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1448720	x RS 4 EG	M6x20	0.01	10 PCE
1449108	x RS MEK J 10 EG	M5x10	0.01	10 PCE
1449114	x RS MEK VM EG	M5x12	0.01	100 PCE
1449123	RS SK EG	M8x20	0.03	10 PCE
1449124	x RS MEK SK EG	M5x16	0.03	10 PCE
1431735	x RS K EG	M8x25	0.02	10 PCE
1431731	RS PSF EG	M8x35	0.02	10 PCE
1431734	x RS SVK EG	M10x16	0.03	10 PCE
1470352	x RS 5 EG	M6x12	0.01	10 PCE
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1448721	RS 4 HDG	M6x20	0.01	10 PCE
1449697	x RS 1 HDG	M6x16	0.01	10 PCE
1449698	x RS 2 HDG	M8x40	0.02	10 PCE
1449699	x RS 3 HDG	M8x70	0.03	10 PCE
1449112	x RS VK2 HDG	M8x30	0.02	10 PCE
1449113	RS SMT HDG	M10x40	0.04	10 PCE
1449115	x RS KSF HDG	M10x30	0.04	10 PCE
1449125	RS KAP HDG	M6x30	0.01	10 PCE
1449127	x RS 12 HDG	M8x120	0.06	10 PCE
1449111	x RS SSU HDG	M8x80	0.04	10 PCE
1470353	x RS 5 HDG	M6x12	0.01	10 PCE
HDG	HDG or corresponding corrosion protection : C1-C4			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1430428	x HST RS 1	M6x12	0.01	10 PCE
1430429	x HST RS 2	M8x40	0.02	10 PCE
1430430	x HST RS 3	M8x70	0.03	10 PCE
1430431	HST RS SSU	M8x80	0.04	10 PCE
1430432	HST RS VK2	M8x30	0.02	10 PCE
1430433	x HST RS SMT	M10x40	0.04	10 PCE
1430438	HST RS KSF	M10x30	0.04	10 PCE
1448722	x RS 4 HST	M6x20	0.01	10 PCE
1470354	x RS 5 HST	M6x12	0.01	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX			

Nut MU



Nuts MU are used for fastening intermediate and gate supports to threaded rods.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431740	MU M10 M	0.01	100 PCE
1431741	MU M16 M	0.02	100 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459427	MU M6 EG	0.01	10 PCE
1449991	MU M8 EG	0.015	200 PCE
1449992	MU M10 EG	0.01	50 PCE
1449993	MU M16 EG	0.02	50 PCE
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449168	MU M6 HDG	0.01	200 PCE
1449166	MU M10 HDG	0.01	100 PCE
1449167	MU M16 HDG	0.02	100 PCE
HDG	HDG or corresponding corrosion protection : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430426	HST MU M6	0.01	200 PCE
1430436	x HST MU M10	0.01	200 PCE
1430437	HST MU M16	0.02	50 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

Extension nut JM



Extension nuts are used for connecting GT-type threaded rods. The height of JM extension nuts is 40 mm.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431746	JM M10 M	0.05	50 PCE
1431747	JM M16 M	0.12	100 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431748	JM M10 HDG	0.05	50 PCE / 1 BG
1431749	JM M16 HDG	0.12	50 PCE / 1 BG
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459425	JM M6 EG	0.01	10 PCE / 1 BG
1430062	JM M8 EG	0.02	50 PCE / 1 BG
1449704	JM M10 EG	0.05	50 PCE
1449705	JM M16 EG	0.12	100 PCE

EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2		
----	---	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430427	HST JM M6	0.01	50 PCE / 1 BG
1430434	x HST JM M10	0.05	100 PCE
1430435	HST JM M16	0.12	50 PCE

HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
-----	--	--	--

Washer AL



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342088	AL M6 EG	0.001	200 PCE / 1 BG
1342091	AL M8 EG	0.002	200 PCE / 1 BG
1342094	AL M10 EG	0.004	50 PCE / 1 BG
1342097	AL M16 EG	0.011	50 PCE / 1 BG
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342089	AL M6 HDG	0.001	200 PCE / 1 BG
1342095	AL M10 HDG	0.004	100 PCE / 1 BG
1342098	AL M16 HDG	0.011	100 PCE / 1 BG

HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		
-----	--	--	--

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342090	HST AL M6	0.001	200 PCE / 1 BG
1342096	HST AL M10	0.004	200 PCE / 1 BG
1342099	HST AL M16	0.011	50 PCE / 1 BG

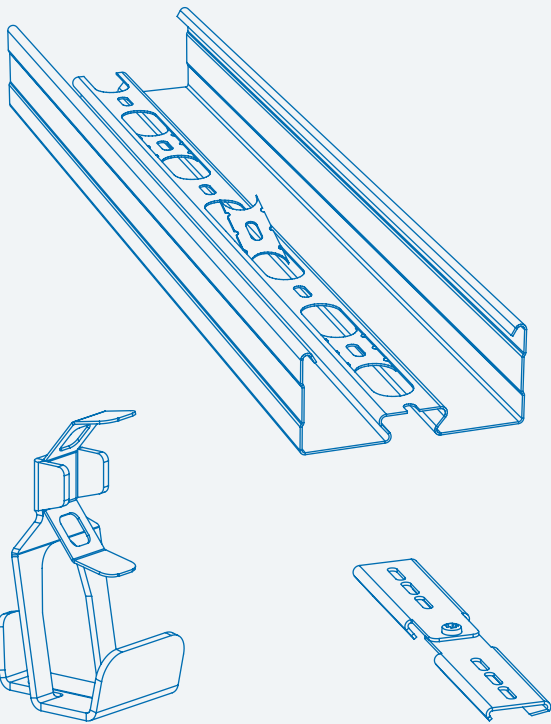
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		
-----	--	--	--







Cable Management Systems



Lighting Support Rails



2023



Available for all atmospheric-corrosivity categories C1-CX.



Products in the MEK® family are compatible amongst themselves.



Thanks to their dovetail profile, MEK® lighting support rails are sufficiently load-bearing and easy to install.

Lighting Support Rails

MEK 70 S

Lightweight lighting support rail

27 kg/m (2 metre span)

MEK 70 S is lightweight, easy to install, and suited to a variety of lighting installations. Typically used in office and commercial buildings, shopping centres, schools and car parks. System parts are compatible with MEK 70 and MEK 70 K systems.

MEK 70 K

Lighting support rail for medium-weight loads

44 kg/m (2 metre span)

MEK 70 K lighting support rail is suited to a wide variety of lighting installations. Typically used in office and commercial buildings, shopping centres, schools and car parks. System parts are compatible with MEK 70 and MEK 70 S systems.

MEK 70

Load-bearing lighting support rail

92 kg/m (2 metre span)

MEK 70 lighting support rail is suited to a variety of demanding lighting installations. Typically used in office and commercial buildings, shopping centres, schools and car parks. System parts are compatible with MEK 70 S and MEK 70 K systems.

MEK 110

Wide, load-bearing lighting support rail

67 kg/m (2 metre span)

MEK 110 lighting support rail is suited to a variety of demanding lighting installations. Typically used in office and commercial buildings, shopping centres, schools and car parks.

AluMEK

Lightweight and rigid aluminium lighting support rail

Applicable uses include office and commercial buildings, shopping centres and schools.

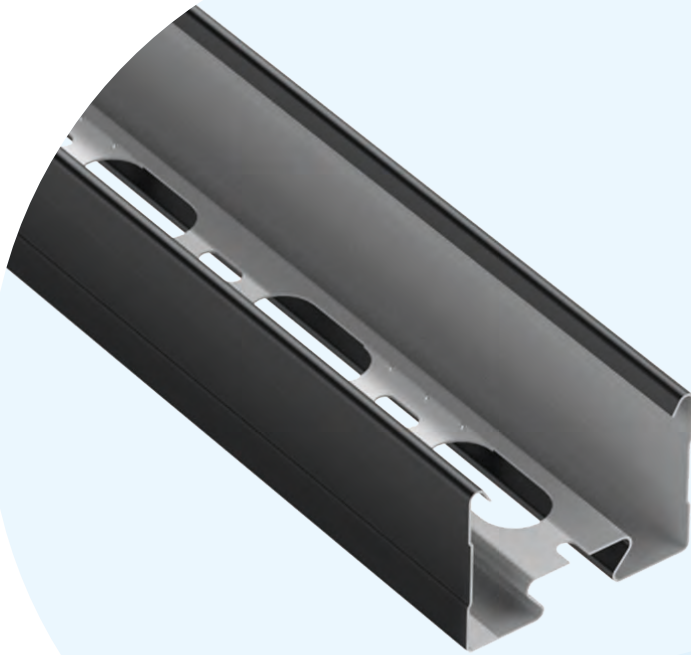


Lighting support rails are available at 70 mm and 110 mm widths and at 3 or 6 metre length.

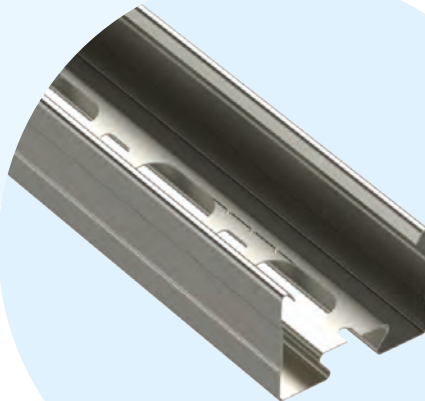
Painted lighting support rails gloss level is 35. Painted lighting support rails are delivered with a protective plastic film.

Load-bearing capacity of MEKA® lighting support rails have been tested in compliance with IEC 61537 test type 3.





New!
Now black lighting support rails as stock item. → Fast deliveries.



New!
XPG® coated lighting support rails to atmospheric-corrosivity category C4.

Table of Contents

Lighting support rails

Fire-resistant lighting support rails	4-4
Potential Equalisation	4-5
MEK® System	4-6
Lighting support rail MEK® 70 S .	4-7
Lighting support rail MEK® 70 K .	4-8
Lighting support rail MEK® 70 .	4-9
Lighting support rail MEK® 110 .	4-10
Corner piece MEK® KR	4-11
Corner piece MEK® KU	4-11
T-piece MEK® TR	4-12
X-piece MEK® XR	4-12
T-branch bracket MEK® T	4-13
End bracket MEK® PK	4-14
Wall support MEK® SK	4-15

Suspension bracket MEK® VR. .	4-15
Adjustable intermediate support MEK® RPF	4-16
Intermediate support MEK® RK .	4-16
Intermediate support MEK® PF .	4-17
Joint MEK® J	4-17
Adjustable joint MEK® NL	4-18
Mounting plate RDP	4-19
Mounting plate RDP-O	4-19
Mounting plate MEK® KL.	4-20
Lighting fixture MEK® VM	4-20
Lighting fixture MEK® VM-L . . .	4-21
Lighting bracket MEK® AH. . . .	4-21
Ceiling bracket RTF-10	4-22
Ceiling bracket RTF-Z	4-22

End plate MEK® P	4-23
Cover MEK® KA	4-23
Lighting support rail ALUMEK .	4-24
Joint ALUMEK J	4-24
Intermediate support ALUMEK RK	4-25
Cover ALUMEK KA	4-25
Repair paint SPRAY.	4-26
Threaded rod GT	4-26
Protective sleeve SS	4-26
Bolt set RS	4-27
Nut MU	4-27
Extension nut JM	4-28
Washer AL.	4-28

Fire-resistant lighting support rails

Fire Rating E60

PRODUCT	SPAN LENGTH max (m)	WIDTH max (mm)	LOADING max (kg/m)
MEK 110	1,25	110	5
MEK 70	1,25	70	5
MEK 70 K	1,25	70	5
MEK 70 S	1,25	70	5

All lengths, and material and surface treatment options.

TYPE	PRODUCTS	
Ceiling brackets	RTF-10, RTF-16, RTF-S, RTF-Z	All products and all material and surface treatment options. Fastening equipment that is rated for fire safety must be used with ceiling brackets.
Corner piece	MEK KR	All surface treatment options. Corner piece is not allowed to be used as a support. Corners must be supported at no further than 300 mm from both corner pieces. Corner piece MEK KR is not required for E60 fire rating compliance in the corner installation, but it can be used in a fire-resistant installation.
Intermediate supports	MEK RK	All material and surface treatment options. Fire-rated fastening equipment is required when using threaded rods.
Joints	MEK J	All material and surface treatment options.
Nuts	MU 10, MU 16	All products and all material and surface treatment options.
Screw sets	RS1, RS2, RS3, RS4, RS KSF, RS SSU, RS VK2, RS MEK J 10	All products and all material and surface treatment options.
Threaded rods	GT-6, GT-10, GT-16	All products and all material and surface treatment options. GT-6 threaded rod is allowed only in tip attachments, not in supports. Fire-rated fastening equipment is required when using threaded rods.
Wall support	MEK SK-70	For MEK 70 only. All material and surface treatment options.



Suspension support E60



MEK lighting support rails are suspended in an E60 fire rating compliant manner with intermediate support MEK RK. The intermediate support is suspended from the ceiling with a threaded rod.



Corner E60



In an E60 fire rating compliant corner installation, the corner must be supported at no further than 300 mm from both joints. The corner piece MEK KR is not required for E60 fire rating compliance in the corner installation, but it can be used in a fire-resistant installation.



Wall support E60



In an E60 fire rating compliant installation, MEK SK-70 is attached to the wall directly with fire-rated fastening equipment.

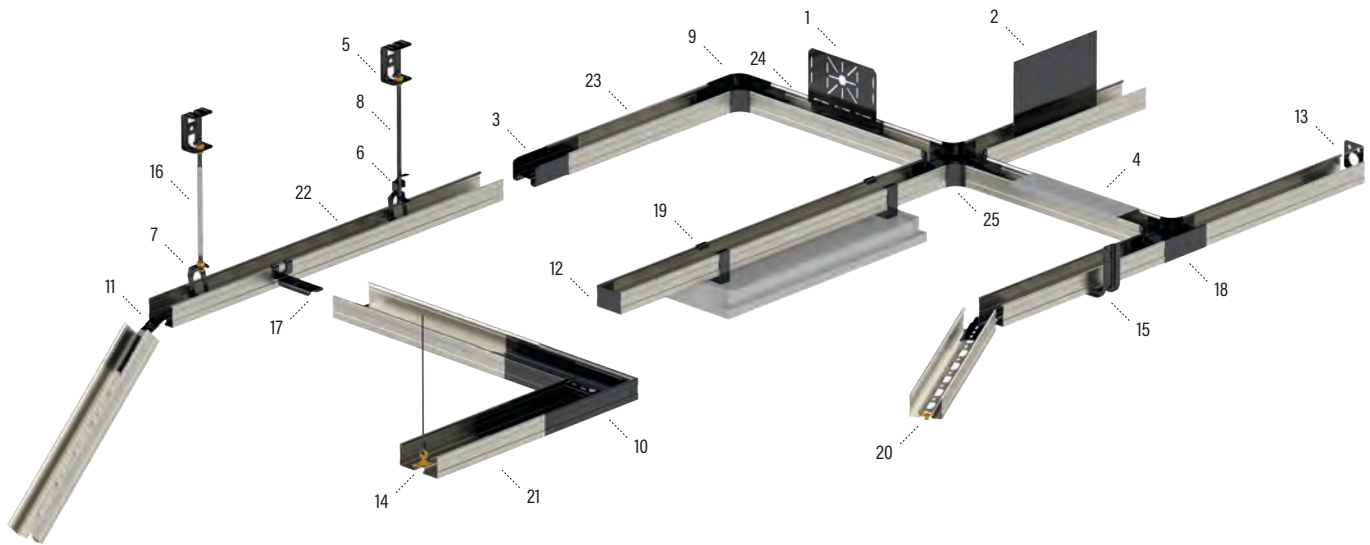
Potential Equalisation

IEC 61537

PRODUCT	IMPEDANCE mΩ/m	PRODUCT + JOINT measured 50mm from the joint	IMPEDANCE mΩ
MEK 70 S	≤1,22	MEK 70 S PG + MEK J-70PG	≤0,5
MEK 70 M / MEK 70 K PG / MEK 70 K XPG	≤0,9	MEK 70 K PG + MEK J PG	≤0,39
MEK 70 PG	≤0,8	MEK 70 K XPG + MEK J PG	≤0,39
MEK 110 PG / M	≤0,58	MEK 70 M + MEK J-70 PG	≤0,51
ALUMEK 50	≤0,16	MEK 70 M + MEK NL PG	≤1,34
ALUMEK 50 M	≤0,18	MEK 70 PG + MEK J-70 PG	≤0,44
		MEK 110 M + MEK J-110 PG	≤0,34
		MEK 110 M + MEK NL PG	≤0,32
		ALUMEK 50 + ALUMEK J	≤0,06
		ALUMEK 50 M + ALUMEK J	≤0,1

The joints in the chart create a sufficient electrical joint, which eliminates the need to install a separate grounding wire between rails.





NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Mounting plate	RDP	(M) (PG) (XPG)	4-19
2	Mounting plate	MEK KL		4-20
3	Joint	MEK J	(PG) (HDG) (XPG) (HST)	4-17
4	Cover	MEK KA	(M) (PG) (XPG)	4-23
5	Ceiling bracket	RTF-10	(M) (PG) (HDG) (HST)	4-22
6	Adjustable intermediate support	MEK RPF	(M) (PG)	4-16
7	Intermediate support	MEK RK	(M) (PG) (XPG) (HST)	4-16
8	Threaded rod	GT-10	(EG) (HDG) (HST)	4-26
9	Corner piece	MEK KR		4-11
10	Corner piece	MEK KU	(M) (PG) (HDG) (HST)	4-11
11	Adjustable joint	MEK NL	(M) (PG) (HDG) (HST)	4-18
12	End plate	MEK P	(M) (PG) (XPG)	4-23
13	End bracket	MEK PK	(M) (PG) (HDG) (HST)	4-14
14	Suspension bracket	MEK VR	(PG)	4-15
15	Wall support	MEK SK	(M) (PG)	4-15
16	Protective sleeve	SS		4-26
17	T-branch bracket	MEK T	(M) (PG) (HDG) (HST)	4-13
18	T-piece	MEK TR		4-12
19	Lighting bracket	MEK AH	(M) (PG) (XPG)	4-21
20	Lighting fixture	MEK VM	(PG) (HST)	4-20
21	Lighting support rail	MEK 110	(M) (PG)	4-10
22	Lighting support rail	MEK 70	(PG) (HST)	4-9
23	Lighting support rail	MEK 70 S	(M) (PG)	4-7
24	Lighting support rail	MEK 70 K	(M) (B) (PG) (XPG)	4-8
25	X-piece	MEK XR		4-12

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

Lighting support rail MEK® 70 S



Lighting support rails MEK 70 S are used for installation of luminaires, cables and other devices in shopping centres, schools, office- and commercial buildings, parking halls as well as in industrial buildings. Unique MEK profile allows longer spans that save time for mounting and reduce costs for installation accessories. For fixing luminaires to rails brackets MEK AH, sliding nuts MEK-VM or nut sets MEK VM-L can be used.

MEK 70 S are suitable for lower and medium loading capacities.

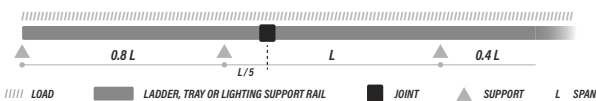
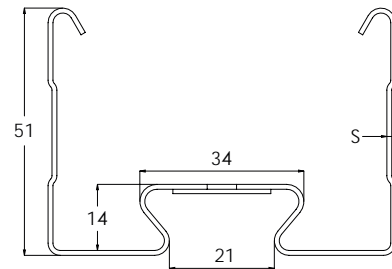
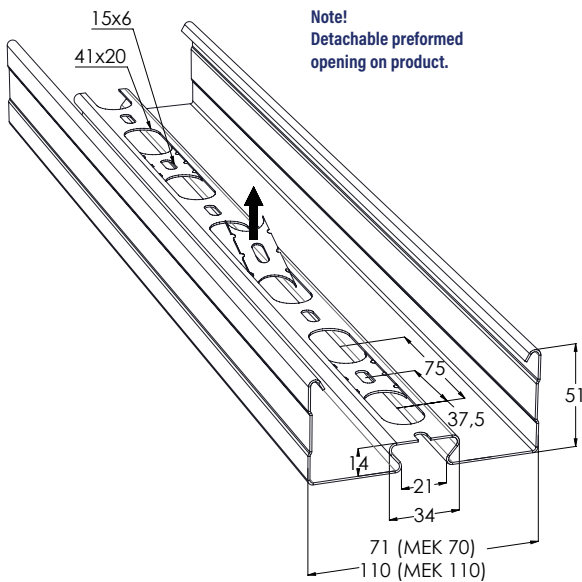


CODE	PRODUCT	WGT. kg / pc	L mm	S mm	PACKAGE
1449303	MEK 70 S L=3000 M	2.33	3000	0.5	28 PCE / 84 MTR
1449310	x MEK 70 S L=6000 M	4.67	6000	0.5	28 PCE / 168 MTR

M White RAL 9010 polyester paint coating : C1-C2
White painted lighting support rails are delivered with a protective plastic film.

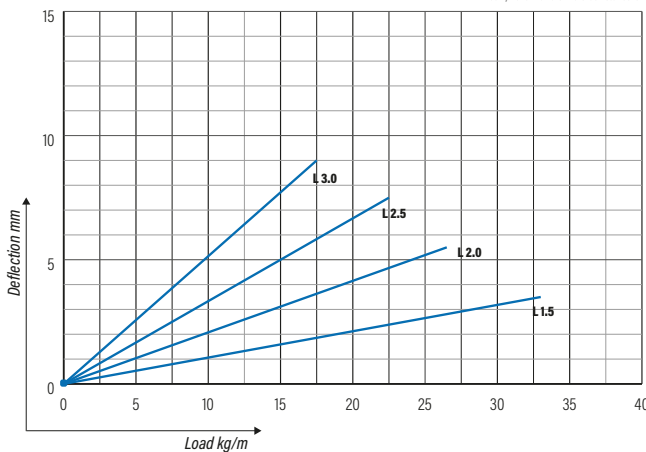
CODE	PRODUCT	WGT. kg / pc	L mm	S mm	PACKAGE
1449304	MEK 70 S L=3000 PG	2.33	3000	0.5	28 PCE / 84 MTR
1449314	x MEK 70 S L=6000 PG	4.67	6000	0.5	28 PCE / 168 MTR

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 :C1-C2



MEK 70 S

Compliant with the IEC 61537 standard.

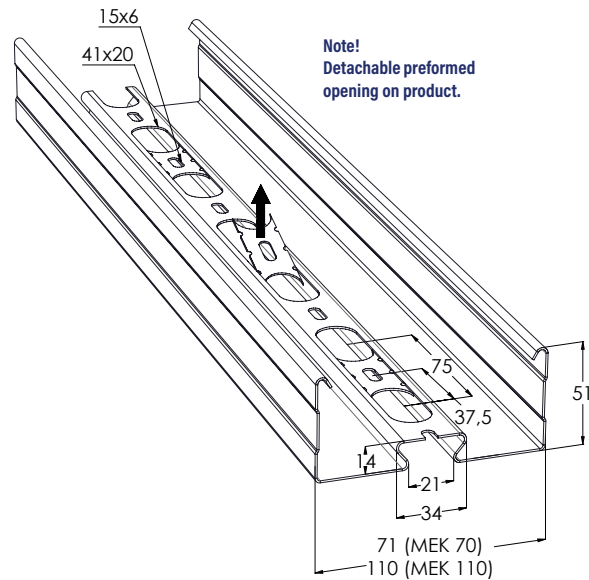
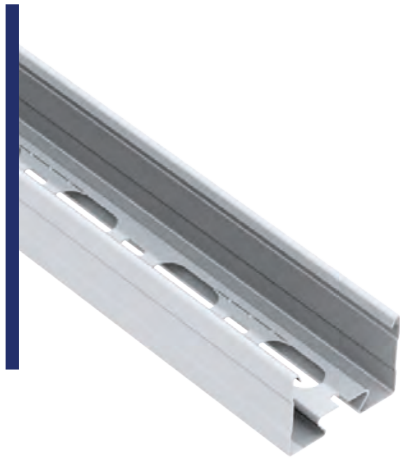


Lighting support rail MEK® 70 K



Lighting support rails MEK 70 are used for installation of luminaires, cables and other devices in shopping centres, schools, office- and commercial buildings, parking halls as well as in industrial buildings. Unique MEK profile allows longer spans that save time for mounting and reduce costs for installation accessories. For fixing luminaires to rails brackets MEK AH, sliding nuts MEK-VM or nut sets MEK VM-L can be used.

MEK 70 are suitable for high loading capacities.

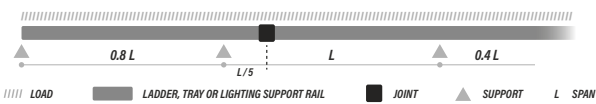
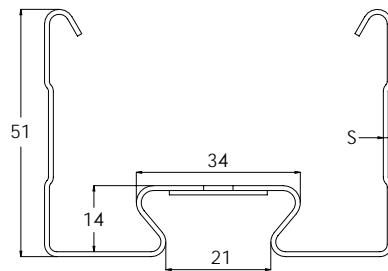


CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	S mm	PACKAGE
1449308	x MEK 70 L=3000 M	3.57	3000	0.75	28 PCE / 84 MTR
1449315	x MEK 70 L=6000 M	7.15	6000	0.75	28 PCE / 168 MTR
M	White RAL 9010 polyester paint coating : C1-C2 White painted lighting support rails are delivered with a protective plastic film.				

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	S mm	PACKAGE
1449268	MEK 70 L=3000 B	3.57	3000	0.75	28 PCE / 84 MTR
1449269	x MEK 70 L=6000 B	7.15	6000	0.75	28 PCE / 168 MTR
B	Black RAL 9005 polyester paint coating : C1-C2 Black painted lighting support rails are delivered with a protective plastic film.				

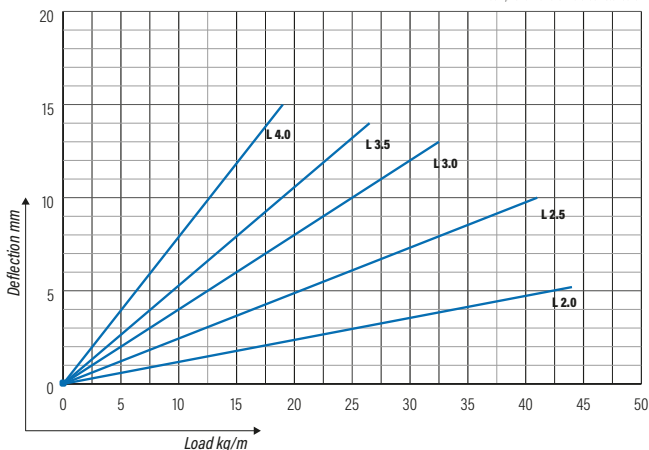
CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	S mm	PACKAGE
1449305	x MEK 70 K L=3000 PG	3.44	3000	0.75	28 PCE / 84 MTR
1449311	x MEK 70 K L=6000 PG	6.88	6000	0.75	28 PCE / 168 MTR
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2				

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	S mm	PACKAGE
1449296	x MEK 70 K L=6000 XPG	6.88	6000	0.75	28 PCE / 168 MTR
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4				



MEK 70 K, MEK 70 M and MEK 70 B

Compliant with the IEC 61537 standard.

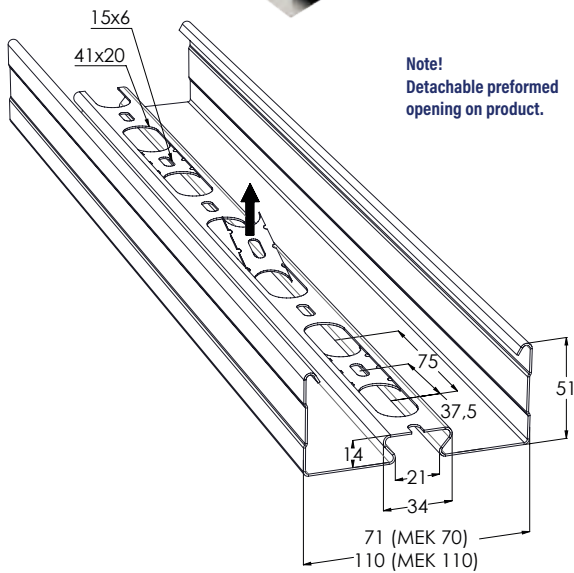


Lighting support rail MEK® 70



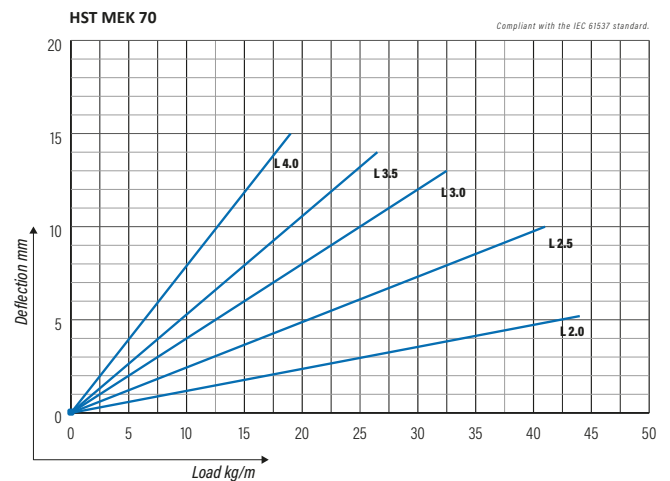
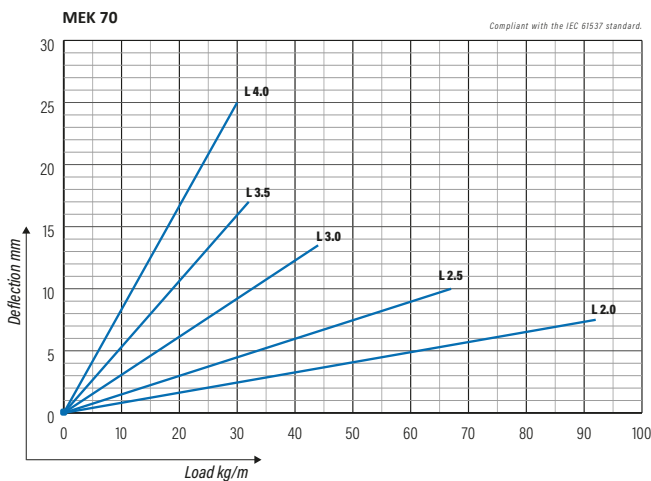
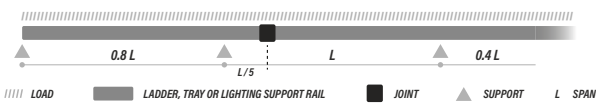
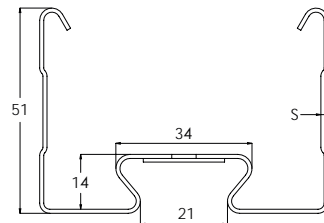
Lighting support rails MEK 70 are used for installation of luminaires, cables and other devices in shopping centres, schools, office- and commercial buildings, parking halls as well as in industrial buildings. Unique MEK profile allows longer spans that save time for mounting and reduce costs for installation accessories. For fixing luminaires to rails brackets MEK AH, sliding nuts MEK-VM or nut sets MEK VM-L can be used.

MEK 70 are suitable for high loading capacities.



CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	S mm	PACKAGE
1449306	MEK 70 L=3000 PG	4.68	3000	1	28 PCE / 84 MTR
1449312	x MEK 70 L=6000 PG	9.35	6000	1	28 PCE / 168 MTR
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2				

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	S mm	PACKAGE
1430570	HST MEK 70 L=6000	7.8	6000	0.8	28 PCE / 168 MTR
HST	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2				



Lighting support rail MEK® 110



Lighting support rails MEK 110 are used for installation of luminaires, cables and other devices in shopping centres, schools, office- and commercial buildings, parking halls, warehouses etc. Unique MEK profile allows longer spans that save time for mounting and reduce costs for installation accessories. For fixing luminaires to rails brackets MEK AH, sliding nuts MEK-VM or nut sets MEK VM-L can be used.

MEK 110 are suitable for high loading capacities and have more space for cables.



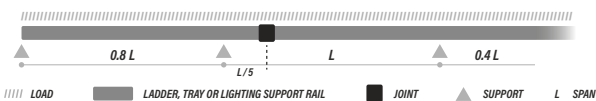
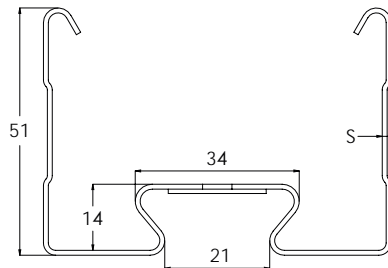
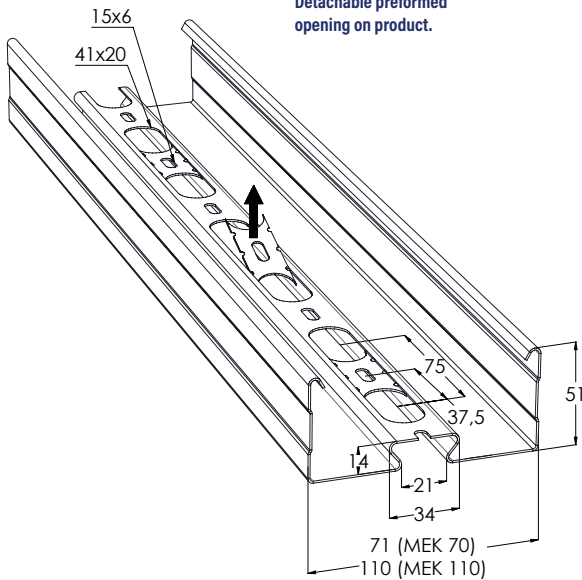
CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	S mm	PACKAGE
1449309	MEK 110 L=3000 M	5.72	3000	1	21 PCE / 63 MTR
1449317	x MEK 110 L=6000 M	11.44	6000	1	21 PCE / 126 MTR

M White RAL 9010 polyester paint coating : C1-C2
White painted lighting support rails are delivered with a protective plastic film.

CODE	PRODUCT x = stock product	WGT. kg / pc	L mm	S mm	PACKAGE
1449307	MEK 110 L=3000 PG	5.67	3000	1	21 PCE / 63 MTR
1449313	x MEK 110 L=6000 PG	11.33	6000	1	21 PCE / 126 MTR

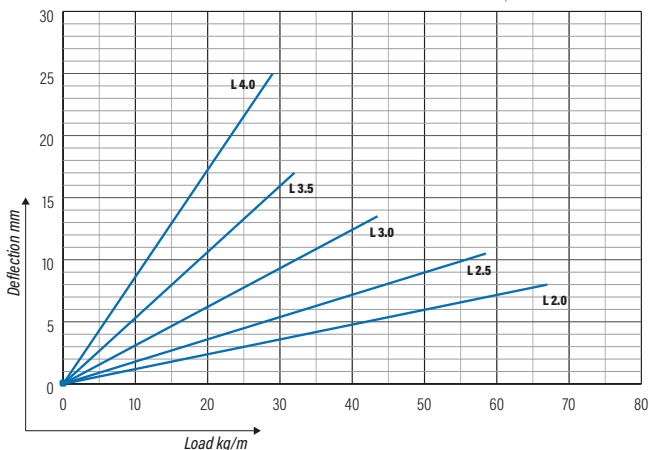
PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Note!
Detachable preformed opening on product.



MEK 110

Compliant with the IEC 61537 standard.



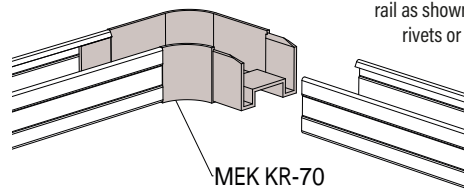
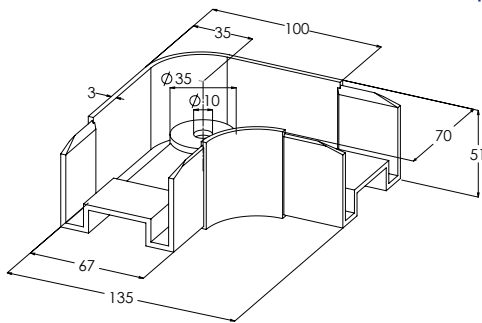
Corner piece MEK® KR



Plastic corner pieces MEK KR are used to make 90° angles for MEK 70-type lighting support rails in indoor mounting. Corners MEK KR have integrated joint parts that allows easily to push corners into lighting support rails. Connections can be fastened with screws or rivets, if necessary. Corners MEK KR cannot be used as lighting rails' supports.



Note!
Plastic products must not be used for support.



Corner piece MEK KR is installed into the lighting support rail as shown in the image. It is secured with blind rivets or screws. Suited for MEK 70 S, MEK 70 K and MEK 70 lighting support rails.



See the installation video.

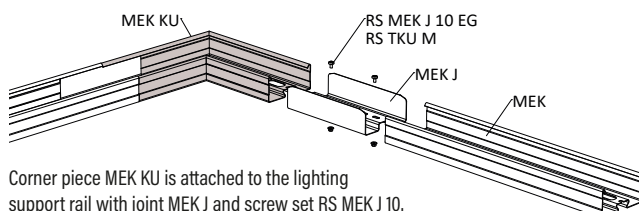
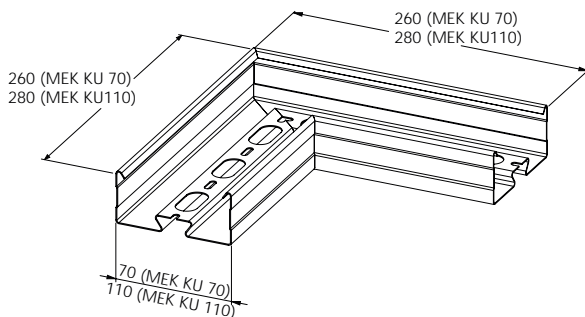
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449329	x MEK KR-70	0.12	4 PCE
Grey plastic			

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449330	x MEK KR-70 M	0.12	4 PCE
White plastic			

Corner piece MEK® KU



Corner pieces MEK KU are used to make 90° angles for MEK-type lighting support rails. For connection lighting support rails and corners joints MEK J have to be used.



Corner piece MEK KU is attached to the lighting support rail with joint MEK J and screw set RS MEK J 10.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449347	MEK KU-110 M	0.85	1 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449342	MEK KU-110 PG	0.82	1 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

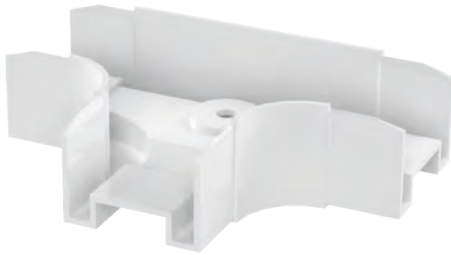
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429151	MEK KU-70 HDG	0.74	1 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430580	HST MEK KU-70	0.75	1 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

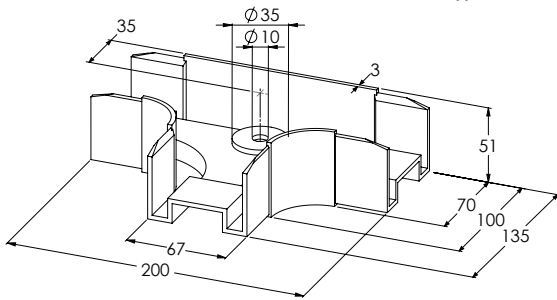
T-piece MEK® TR



Plastic T-pieces MEK TR are used to make T-junctions for MEK 70-type lighting support rails in indoor mounting. T-pieces MEK TR have integrated joint parts that allows easily to push these into lighting support rails. Connections can be fastened with screws or rivets, if necessary. T-pieces MEK TR cannot be used as lighting rails' supports.



Note!
Plastic products must not be used for support.

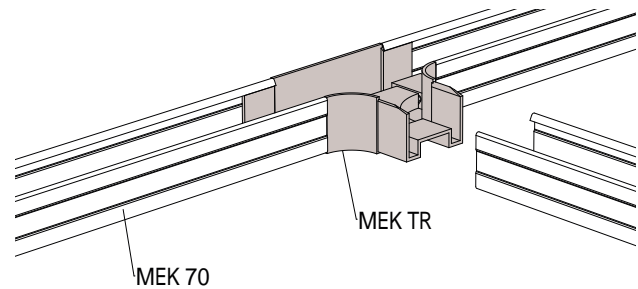


CODE	PRODUCT	WGT.	PACKAGE
1449332	x MEK TR-70	kg / pc	4 PCE

Grey plastic

CODE	PRODUCT	WGT.	PACKAGE
1449333	x MEK TR-70 M	kg / pc	4 PCE

White plastic



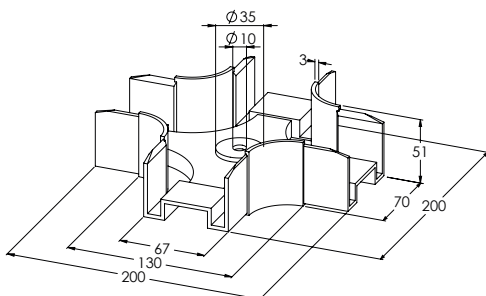
Corner piece MEK TR is installed into the lighting support rail as shown in the image. It is secured with blind rivets or screws. Suited for MEK 70 S, MEK 70 K and MEK 70 lighting support rails.

X-piece MEK® XR

Plastic X-pieces MEK XR are used to make X-junctions for MEK 70-type lighting support rails in indoor mounting. X-pieces MEK XR have integrated joint parts that allows easily to push these into lighting support rails. Connections can be fastened with screws or rivets, if necessary. X-pieces MEK XR cannot be used as lighting rails' supports.



Note!
Plastic products must not be used for support.

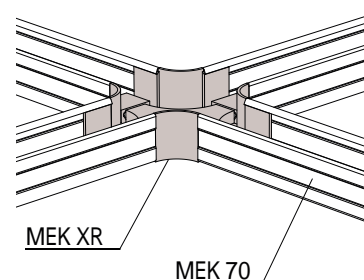


CODE	PRODUCT	WGT.	PACKAGE
1449335	MEK XR-70	kg / pc	4 PCE

Grey plastic

CODE	PRODUCT	WGT.	PACKAGE
1449336	x MEK XR-70 M	kg / pc	4 PCE

White plastic



X-piece MEK XR is installed into the lighting support rail as shown in the image. It is secured with blind rivets or screws. Suited for MEK 70 S, MEK 70 K and MEK 70 lighting support rails.

T-branch bracket MEK® T



T-branch brackets MEK T are used to make simple T- and X-junctions and corners from the side of MEK-type lighting support rails. After installation edges of rails stay at the same level and brackets are practically invisible.

Product set includes bolt and nut for fixing T-branch bracket into rail's dovetail groove.

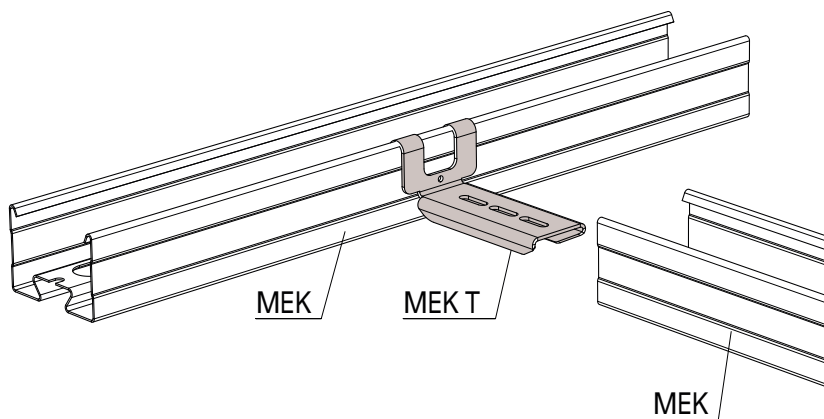
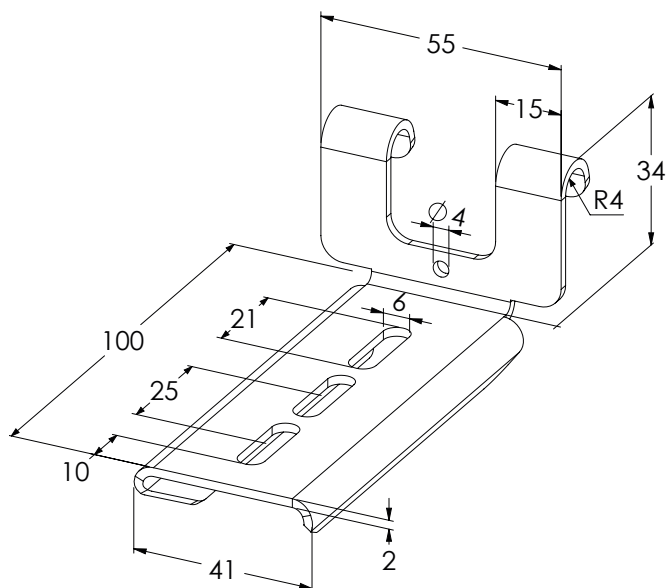


CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449384	x MEK T M	0.12	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2		
<i>Product includes screw set: 1449122 RS TKU M (1 PCE)</i>			

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449383	x MEK T PG	0.12	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		
<i>Product includes screw set: 1449108 RS MEK J 10 EG (1 PCE)</i>			

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1429152	MEK T HDG	0.13	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1430581	HST MEK T	0.12	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		



T-branch bracket MEK T is attached to the fishtail groove of the lighting support rail with a screw set, and to the side of a crossing lighting support rail with a screw or blind rivet. Suited for all MEK® and AluMEK lighting support rails.



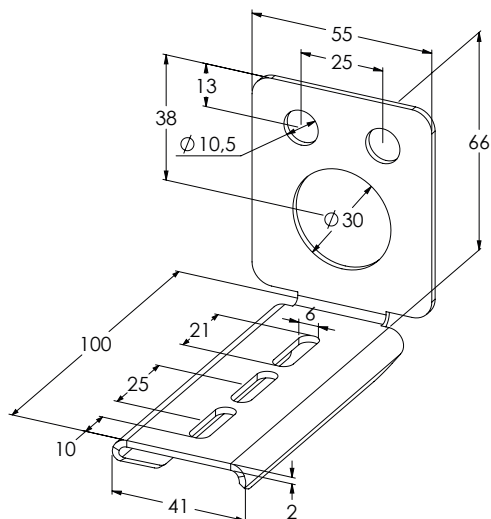
See the installation video.

End bracket MEK® PK



End brackets MEK PK are used for mounting ends of MEK-type lighting support rails to wall. For cables bushing the MEK PK has a 30 mm diameter hole in the end of plate.

Product set includes bolt and nut for fixing end brackets into rail's dovetail groove.



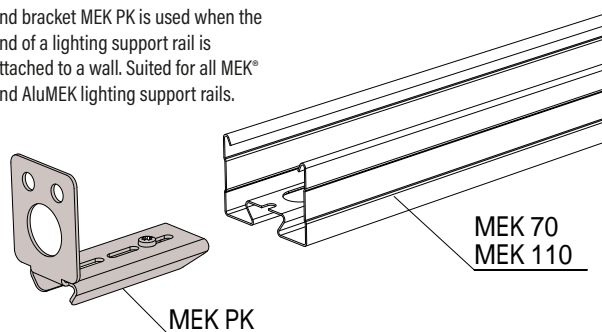
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449374	x MEK PK M	0.14	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2		
<i>Product includes screw set: 1449122 RS TKU M (1 PCE)</i>			

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449373	x MEK PK PG	0.13	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		
<i>Product includes screw set: 1449108 RS MEK J 10 EG (1 PCE)</i>			

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429154	MEK PK HDG	0.14	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430583	HST MEK PK	0.14	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

End bracket MEK PK is used when the end of a lighting support rail is attached to a wall. Suited for all MEK® and AluMEK lighting support rails.



Wall support MEK® SK



Wall supports MEK SK are used for mounting MEK-type lighting support rails and wire mesh trays WMT to wall. Product set includes bolt and nut for fixing lighting supports rails to wall supports, but for mounting wire mesh trays connectors WMT CL can be ordered separately.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449379	MEK SK-70 M	0.27	140	10 PCE
1449380	MEK SK-110 M	0.31	140	10 PCE

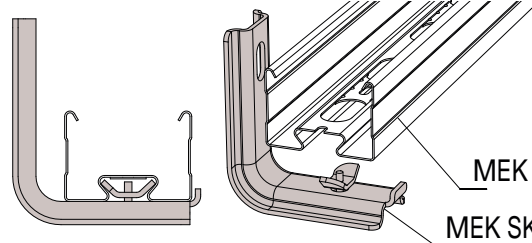
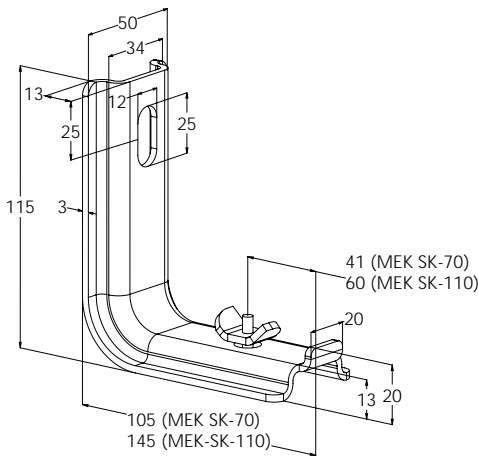
M	White RAL 9010 polyester paint coating : C1-C2			
---	--	--	--	--

Product includes screw set: 1449124 RS MEK SK EG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449361	x MEK SK-70 PG	0.27	140	10 PCE
1449362	x MEK SK-110 PG	0.3	140	10 PCE

PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			
----	---	--	--	--

Product includes screw set: 1449124 RS MEK SK EG (1 PCE)



The fastener on the lighting support rail is turned sideways in the fishtail groove respective to the lighting support rail, and the screw is tightened.

Suspension bracket MEK® VR



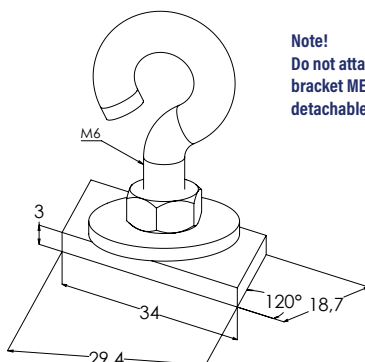
Suspension brackets MEK VR are used for hanging MEK-type lighting support rails from wires, mainly when threaded rods cannot be used due to ceiling or roof structure. The safe work load of MEK VR is 50 kg.

NB! The suspension brackets must not be fixed to the knock-out parts of the MEK lighting rail's profile.



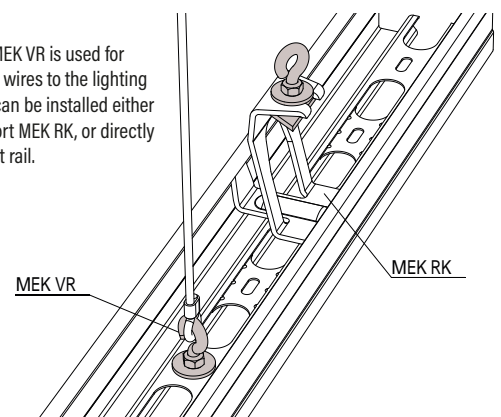
CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449353	MEK VR PG	0.034	50	10 PCE

PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			
----	---	--	--	--



Note!
Do not attach suspension bracket MEK VR to the detachable preformed opening.

Suspension bracket MEK VR is used for attaching suspension wires to the lighting support rail. MEK VR can be installed either to intermediate support MEK RK, or directly to the lighting support rail.

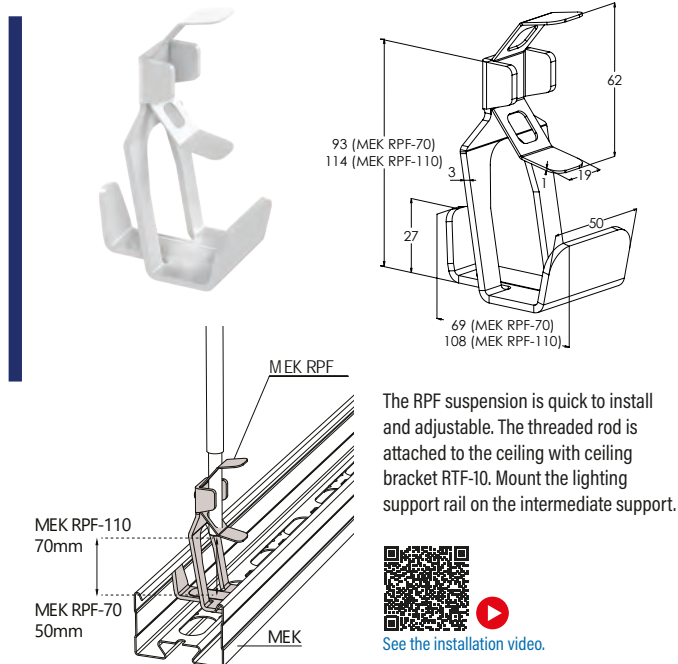


Adjustable intermediate support MEK® RPF



Adjustable intermediate supports MEK RPF are used to support MEK-type lighting support rails into ceiling from inside with 8 or 10 mm threaded rods GT. When using MEK RPF the height adjustment of all MEK line is fast and easy by bending with fingers MEK RPF brackets' spring plates and fixing the bracket at the suitable level. The adjustment range is 50 mm (MEK RPF-70) or 70 mm (MEK RPF-110).

Safe work load of MEK RPF supports are 50 kg (MEK RPF-70) and 60 kg (MEK RPF-110).



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449338	x MEK RPF-70-10 M	0.16	50	10 PCE
1449344	MEK RPF-110-10 M	0.2	60	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2			

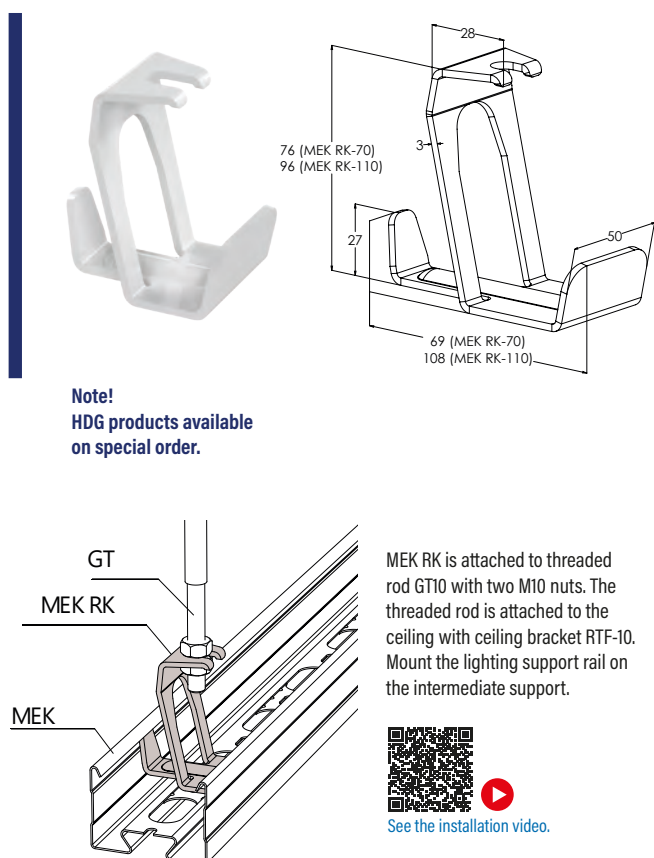
CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449350	MEK RPF-110-8 PG	0.2	60	10 PCE
1449337	x MEK RPF-70-10 PG	0.16	50	10 PCE
1449343	x MEK RPF-110-10 PG	0.2	60	10 PCE
1449345	x MEK RPF-70-8 PG	0.16	50	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			

Intermediate support MEK® RK



Intermediate supports MEK RK are used to support MEK-type lighting support rails into ceiling from inside. For installation are also needed threaded rods GT and nuts. When using MEK RK the height adjustment of all MEK line is fast and easy by turning and fixing nuts at the suitable level. The adjustment range is 65 mm.

Safe work load of MEK RK supports are 50 kg (MEK RK-70) and 60 kg (MEK RK-110).



Note!
HDG products available on special order.

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449389	x MEK RK-70 M	0.15	50	10 PCE
1449390	MEK RK-110 M	0.2	60	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2			

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449356	x MEK RK-70 PG	0.15	50	10 PCE
1449357	x MEK RK-110 PG	0.19	60	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449358	x MEK RK-70 XPG	0.15	50	10 PCE
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4			

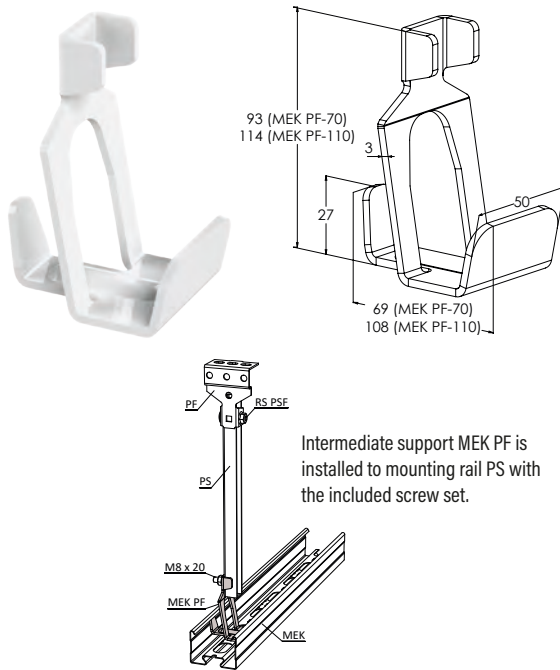
CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1430582	HST MEK RK-70	0.15	60	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX			

Intermediate support MEK® PF



Intermediate supports MEK PF are used to support MEK-type lighting support rails into ceiling from the inner space with mounting rails PS. By using this type of mounting suspensions are more stronger and stable compared for mounting with threaded rods. It is useful especially in higher and/or asymmetrical loadings.

Product set includes bolt and nut for fixing MEK PF into PS-rails.



Intermediate support MEK PF is installed to mounting rail PS with the included screw set.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449325	MEK PF-70 M	0.15	10 PCE
1449327	MEK PF-110 M	0.19	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

Product includes screw set: 1449112 RS VK2 HDG (1 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449326	MEK PF-110 PG	0.19	10 PCE
1449319	MEK PF-70 PG	0.15	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

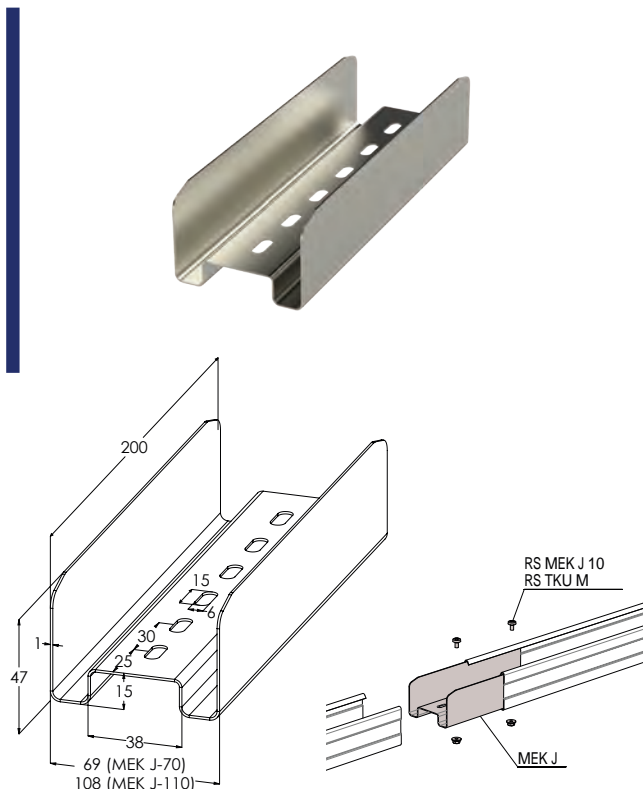
Product includes screw set: 1449112 RS VK2 HDG (1 PCE)

Joint MEK® J



Joints MEK J are used to extend MEK-type lighting support rails. Correctly installed joints create a sufficient electrical conductivity which eliminates the need to install a separate grounding wire between lighting support rails.

Product set includes M5x10 bolts and M5 nuts for fixing.



Joint MEK J is used to attach two lighting support rails together with screw set RS MEK J 10.



See the installation video.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449351	x MEK J-70 PG	0.27	10 PCE
1449352	x MEK J-110 PG	0.34	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

Product includes screw set: 1449108 RS MEK J 10 EG (2 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429150	x MEK J-70 HDG	0.43	10 PCE

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449288	x MEK J-70 XPG	0.27	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Product includes screw set: 1449108 RS MEK J 10 EG (2 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430584	HST MEK J-70	0.27	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Product includes screw set: 1449108 RS MEK J 10 EG (2 PCE)

Adjustable joint MEK® NL



Adjustable joints MEK NL are used to make vertical and horizontal angles for MEK-type lighting support rails.

Product set includes bolts and nuts for fixing NL-joints into rails' dovetail groove.

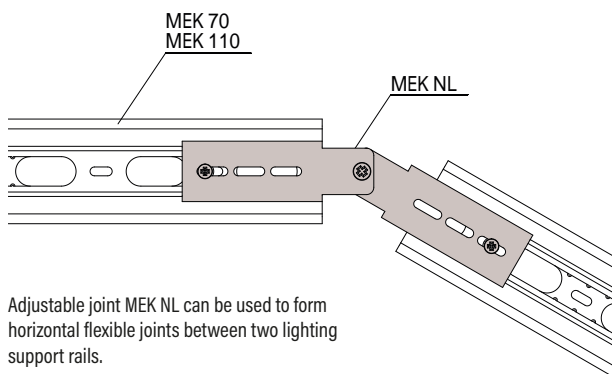
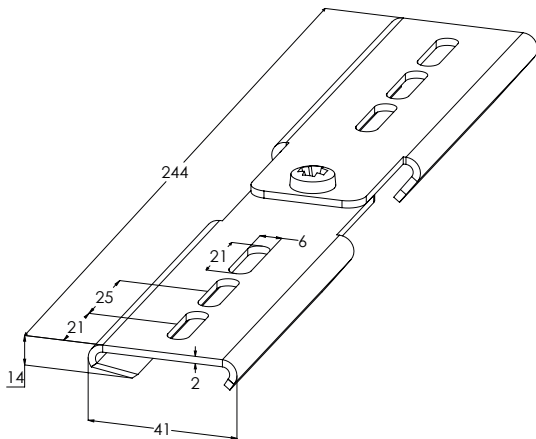


CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449324	MEK NL M	0.23	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

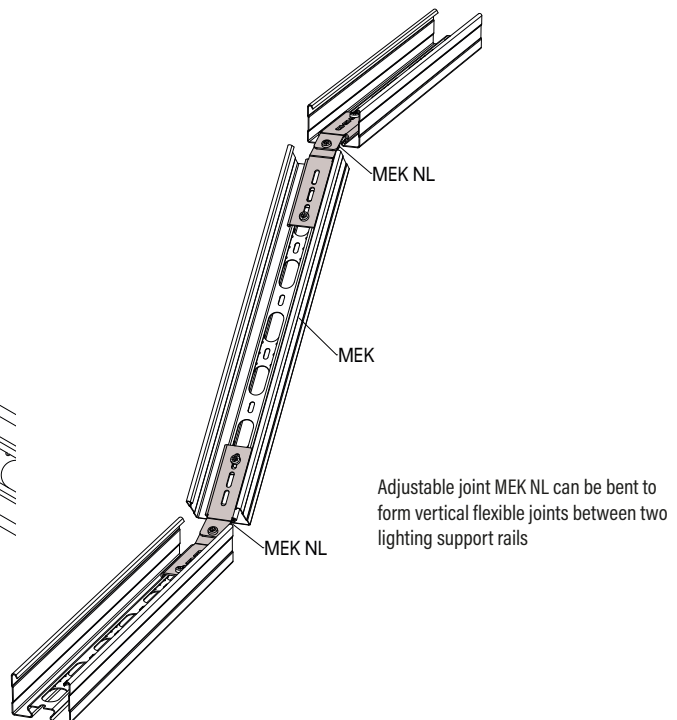
CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1449322	x MEK NL PG	0.21	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1429155	MEK NL HDG	0.24	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4		

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1430585	HST MEK NL	0.23	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		



Adjustable joint MEK NL can be used to form horizontal flexible joints between two lighting support rails.



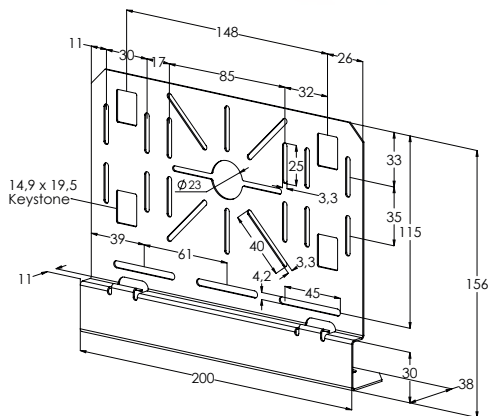
Adjustable joint MEK NL can be bent to form vertical flexible joints between two lighting support rails

Mounting plate RDP



Mounting plates RDP are used for mounting junction boxes and other devices to KR-type cable trays as well as to MEK-type lighting supports rails. Mounting plates are attached to the edge of cable trays from the inside and fixed by bending the slats. For MEK, RDP plates are attached to the holes in the middle of the MEK profile with bolts and nuts. RDP plates have special perforation for fixing different kind of equipment including Keystone RJ45 jacks. The mounting plates can be twisted to hide it.

Devices mounted on the plates are clearly visible and easy to access later.



CODE	PRODUCT	WGT.	PACKAGE
1431650	x = stock product RDP-40 M	0.29	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

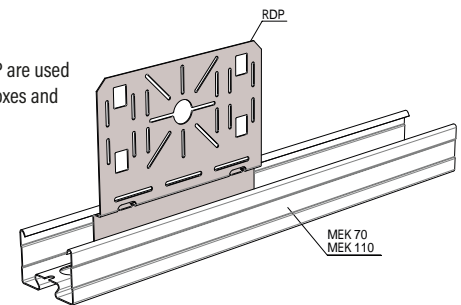
CODE	PRODUCT	WGT.	PACKAGE
1431649	x = stock product RDP-40 PG	0.28	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1431652	x = stock product RDP-40 XPG	0.28	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

Mounting plates RDP are used to mount junction boxes and other devices.



Mounting plate RDP-O

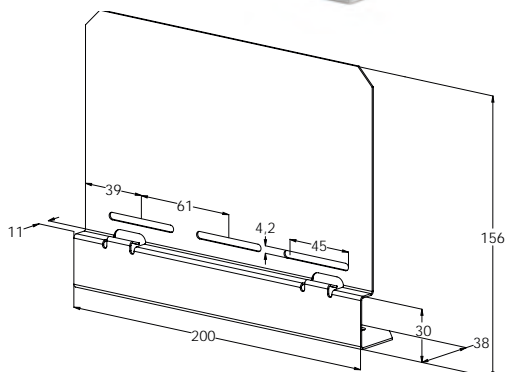


Mounting plates RDP-O are used for mounting junction boxes and other devices to KR-type cable trays as well as to MEK-type lighting supports rails. Mounting plates are attached to the edge of cable trays from the inside and fixed by bending the slats. For MEK, RDP-O plates are attached to the holes in the middle of the MEK profile with bolts and nuts. RDP-O plates are without perforations and their mounting surface dimensions is 20x12 cm. The mounting plates can be twisted to hide it.

Devices mounted on the plates are clearly visible and easy to access later.



Mounting plates RDP are used to mount junction boxes and other devices.



CODE	PRODUCT	WGT.	PACKAGE
1431651	x = stock product RDP-O M	0.3	10 PCE

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1431648	x = stock product RDP-O PG	0.3	10 PCE

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1431653	x = stock product RDP-O-40 XPG	0.3	10 PCE

XPG Manufactured of coated steel in accordance with standard EN 10346 : C1-C4

CODE	PRODUCT	WGT.	PACKAGE
1430586	x = stock product HST RDP-O	0.3	10 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

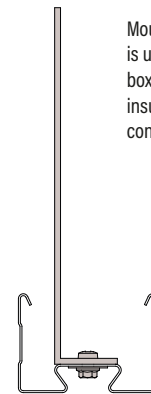
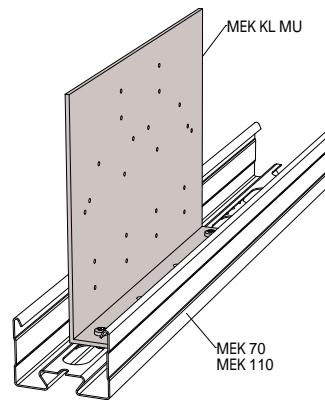
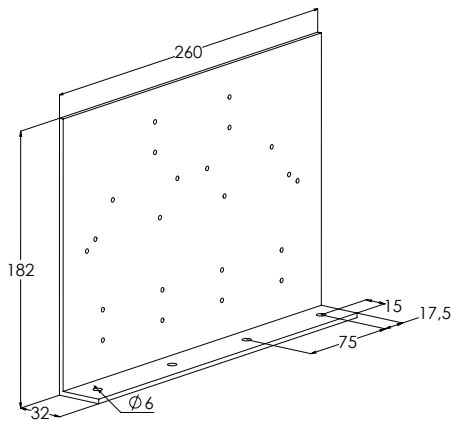
Mounting plate MEK® KL



Plastic mounting plates MEK KL MU are used for mounting junction boxes and other devices to MEK-type lighting supports rails. Mounting plates are attached to the holes in the middle of the MEK profile with bolts and nuts. The mounting surface dimensions of MEK KL MU is approx. 26x18 cm.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449393	x MEK KL MU	0.18	10 PCE
Grey plastic			



Mounting plate MEK KL MU is used, when junction boxes need to be insulated from the conductive base plate.

Lighting fixture MEK® VM

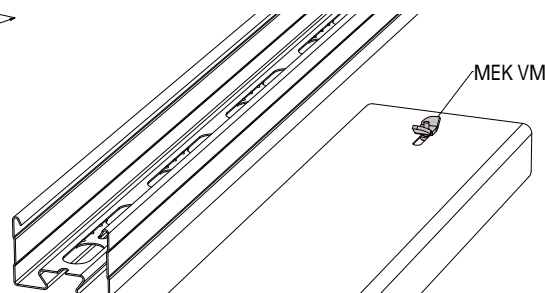
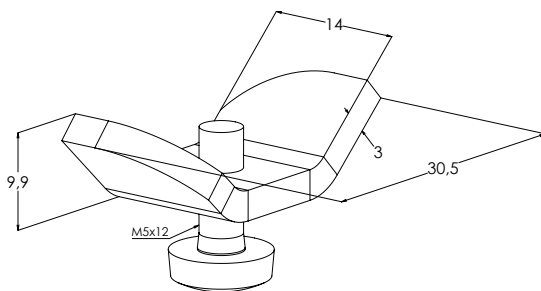


Lighting fixtures MEK VM are used for mounting luminaires and other devices to MEK-type lighting support rails. Installation: two MEK VM shall be fixed to the luminaire, then the luminaire lifted to a suitable location in the MEK lighting rail and fixed into dovetail groove with "one hand and a half turn" - fast and easy. It is also possible to move the luminaires along the lighting rail steplessly later. The safe work load of MEK VM is 40 kg.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449355	x MEK VM PG	0.013	40	100 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1430587	x HST MEK VM	0.013	40	100 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 :C1-CX			



Lighting fixture MEK VM is installed into the fishtail groove of the lighting support rail parallel to the rail. By turning the screw MEK VM locks in to the groove.

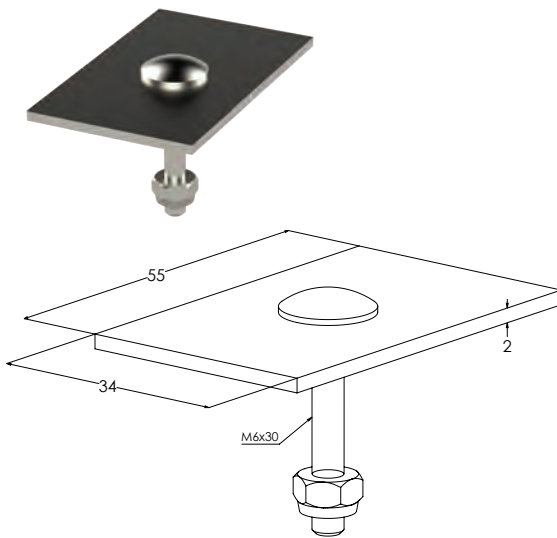
Lighting fixture MEK® VM-L

PG

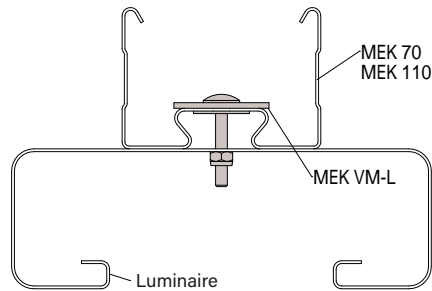


Lighting fixtures MEK VM-L are used for mounting luminaires and other devices to MEK-type lighting support rails, especially when luminaires may be subject to vibration. MEK VM-L product set includes bolt, locking nut and washer. Installation: bolts are pushed through lighting support rail holes and luminaires attached with locking nuts.

The safe work load of MEK VM-L is 60 kg.



CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1449354	x MEK VM-L PG	0.037	60	100 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			



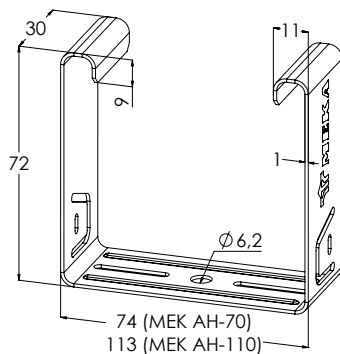
Lighting fixture MEK VM-L is recommended for sites, where the luminaires may be exposed to vibration. Lighting fixture MEK VM-L consists of a locking screw, locking nut and a plate. The locking screw is inserted in the lighting support rail's holes and the light is fastened with the locking nut.

Lighting bracket MEK® AH

M PG XPG

Lighting brackets MEK AH are used for mounting luminaires and other devices to MEK-type lighting support rails. Installation: brackets shall be fixed to the luminaire, then lifted into place with the upper edges of brackets slightly bent apart and fixed to MEK-rail by bending slats at the bottom. It is also possible to move the luminaires along the lighting rail steplessly later.

The load capacity of the MEK AH mounting brackets is 10 kg.



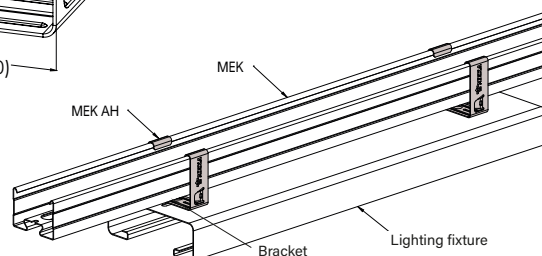
CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1431764	x MEK AH-70 M	0.074	10	10 PCE
1431765	MEK AH-110 M	0.086	10	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2			

Product includes screw set: 1449122 RS TKU M (1 PCE)

CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1431758	x MEK AH-70 PG	0.072	10	10 PCE
1431759	x MEK AH-110 PG	0.084	10	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2			

Product includes screw set: 1449108 RS MEK J 10 EG (1 PCE)

CODE	PRODUCT	WGT.	LOADING	PACKAGE
	x = stock product	kg / pc	max. kg	
1449277	x MEK AH-70 XPG	0.072	10	10 PCE
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4			



Lighting bracket MEK AH is attached to the light's body with a screw set RS MEK J 10. MEK AH is attached to the lighting support rail by pressing. The lighting bracket can be locked in place by twisting the locking flanges flush with the bracket.



See the installation video.

Ceiling bracket RTF-10



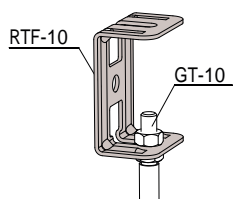
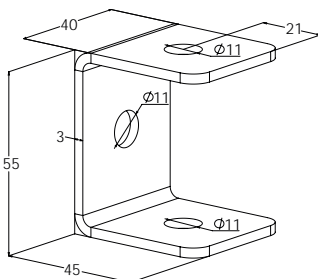
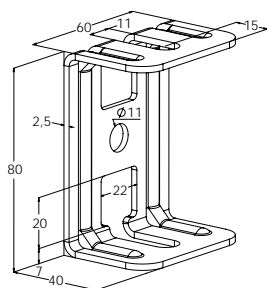
Ceiling brackets RTF are used for mounting threaded rods GT to ceiling. Brackets RTF enable the height adjustment up to 50 mm and reduce the transfer of possible vibrations to wedge anchors attached to the ceiling. Installation is convenient - threaded rod with nuts is inserted into the ceiling bracket, then height is adjusted and nuts tightened.



Note!
The HST product differs in appearance to the PG, M and HDG products

M, PG and HDG

HST



Ceiling bracket RTF-10 is attached to threaded rod GT-10 with nuts MU M10.

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1431619	x RTF-10 M	0.14	250	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2			

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449484	x RTF-10 PG	0.14	250	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 :C1-C2			

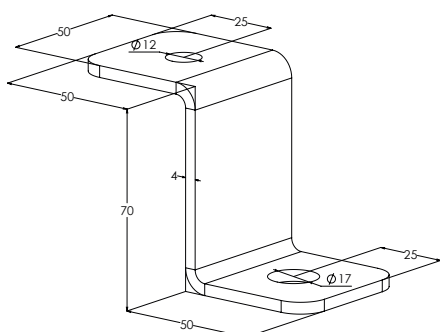
CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449652	x RTF-10 HDG	0.15	250	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			

CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1430305	HST RTF-10	0.12	250	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX			

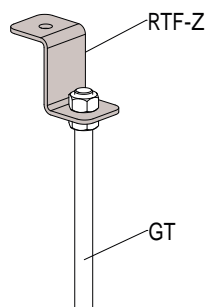
Ceiling bracket RTF-Z



Ceiling brackets RTF-Z are used for mounting threaded rods GT to ceiling. Brackets allow height adjustment up to 50 mm and horizontal adjustment up to 100 mm and reduce the transfer of possible vibrations to wedge anchors attached to the ceiling. Ceiling brackets RTF-Z have $\varnothing 12$ mm and $\varnothing 17$ mm holes for threaded rods.



CODE	PRODUCT x = stock product	WGT. kg / pc	LOADING max. kg	PACKAGE
1449656	x RTF-Z HDG	0.23	300	10 PCE
HDG	Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4			

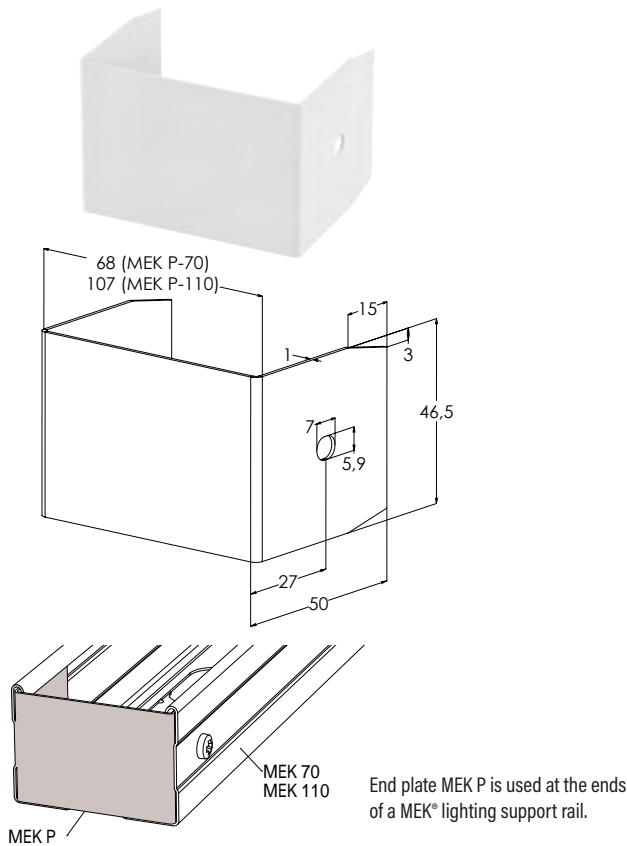


Ceiling bracket RTF-Z is attached to threaded rod GT-10 or GT-16 with nuts MU M10 or MU M16.

End plate MEK® P



End plates MEK P are used to finish the installation and cover ends of MEK-type lighting support rails. Product set includes bolts and nuts for fixing end plates into MEK lighting support rails.



End plate MEK P is used at the ends of a MEK® lighting support rail.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449397	MEK P-70 M	0.052	10 PCE
1449400	MEK P-110 M	0.056	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

Product includes screw set: 1449122 RS TKU M (2 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449394	MEK P-70 PG	0.051	10 PCE
1449398	MEK P-110 PG	0.055	10 PCE
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

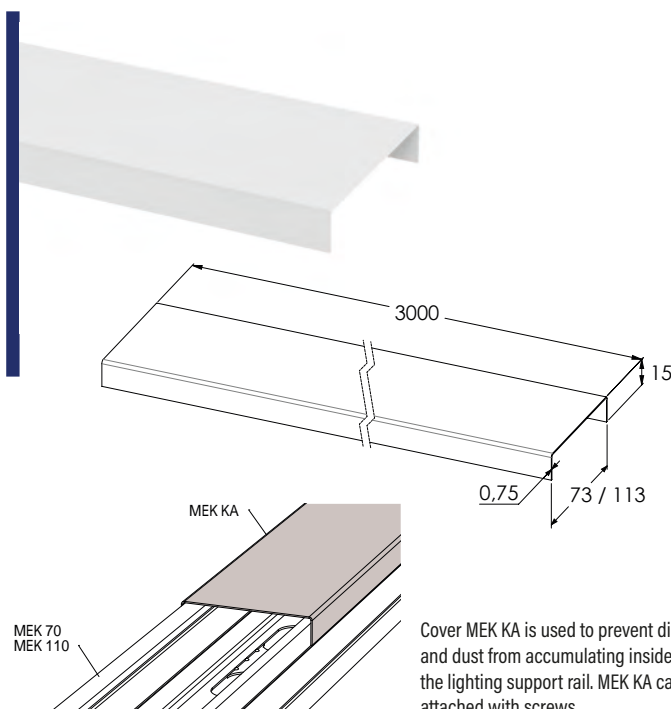
Product includes screw set: 1449108 RS MEK J 10 EG (2 PCE)

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449280	MEK P-70 XPG	0.051	10 PCE
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4		

Cover MEK® KA



Covers MEK KA are used to protect the cables from damage, dirt and UV radiation as well as to finish the installation. In horizontal installation covers stay at place quite tightly themselves, but if needed can be fixed with screws as well.



Cover MEK KA is used to prevent dirt and dust from accumulating inside the lighting support rail. MEK KA can be attached with screws.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449339	MEK KA-70 L=3000 M	1.69	10 PCE / 30 MTR
1449340	MEK KA-110 L=3000 M	2.35	10 PCE / 30 MTR
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449359	x MEK KA-70 L=3000 PG	1.67	10 PCE / 30 MTR
1449360	MEK KA-110 L=3000 PG	2.33	10 PCE / 30 MTR
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449290	MEK KA-70 L=3000 XPG	1.67	10 PCE / 30 MTR
XPG	Manufactured of coated steel in accordance with standard EN 10346 : C1-C4		

Lighting support rail ALUMEK



Lighting support rails ALUMEK are used for installation of luminaries, cables and other devices at places that require a clean and finished look. Applicable uses include office and commercial buildings, shopping centres and schools.



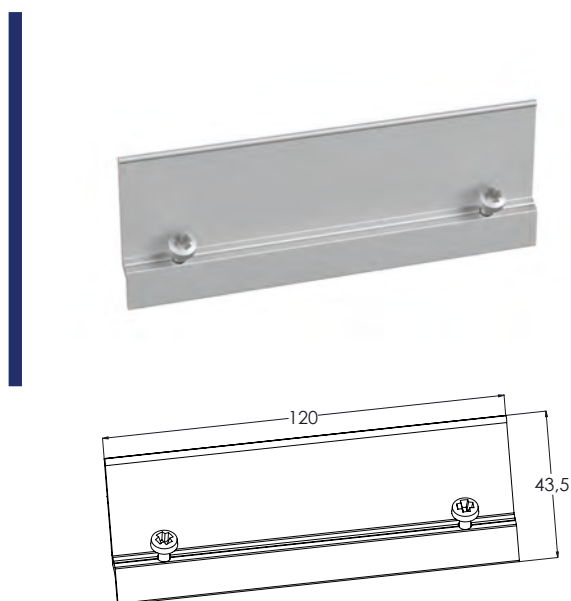
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429170	ALUMEK 50 L=6000 M	3.74	1 PCE / 6 MTR
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429171	ALUMEK 50 L=6000	3.6	1 PCE / 6 MTR
AL	Manufactured of extruded aluminium alloy : C1-C2		

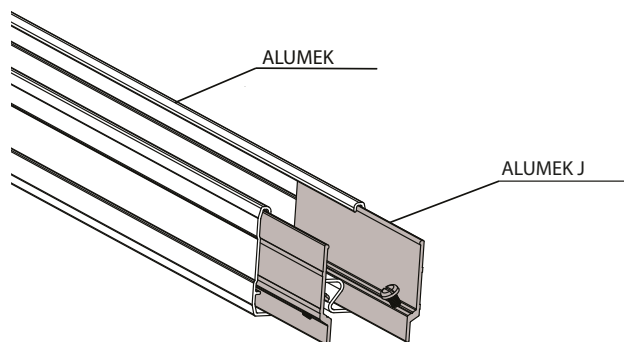
Joint ALUMEK J



Joints ALUMEK J are used to extend ALUMEK lighting supports rails. Product set includes bolts for fastening.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429174	ALUMEK J	0.04	10 PCE / 1 BG
AL	Manufactured of extruded aluminium alloy : C1-C2		

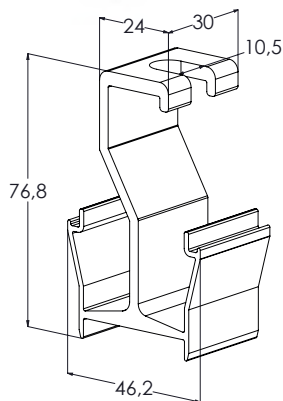


Joint ALUMEK J is slid inside the light support rail on both edges and tightened with screws. Two ALUMEK J joints are required to form a joint.

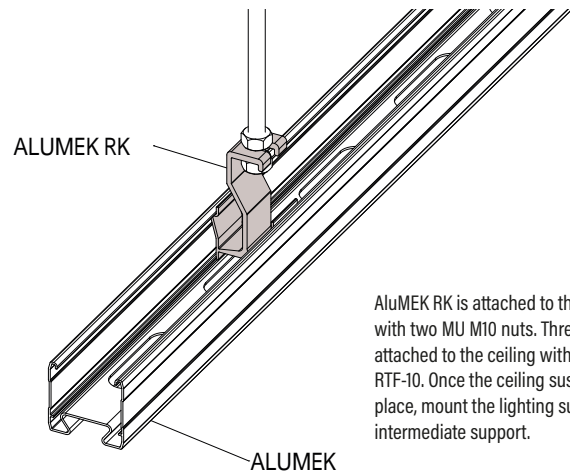
Intermediate support ALUMEK RK



Intermediate supports ALUMEK RK are used to support ALUMEK-type lighting support rails into ceiling from inside. For installation are also needed threaded rods GT and nuts. When using ALUMEK RK the height adjustment of all ALUMEK line is fast and easy by turning and fixing nuts at the suitable level. The adjustment range is approx. 20 mm.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429175	ALUMEK RK	0.04	10 PCE / 1 BG
AL	Manufactured of extruded aluminium alloy : C1-C2		

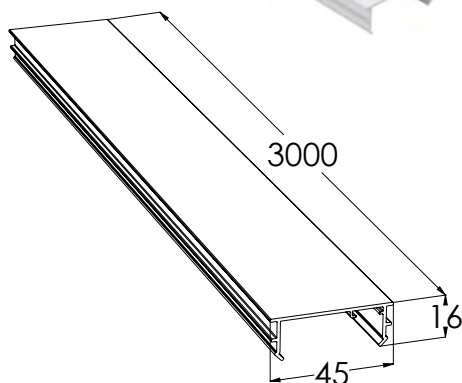


ALUMEK RK is attached to the threaded rod with two MU M10 nuts. Threaded rod attached to the ceiling with ceiling bracket RTF-10. Once the ceiling suspension is in place, mount the lighting support rail on the intermediate support.

Cover ALUMEK KA

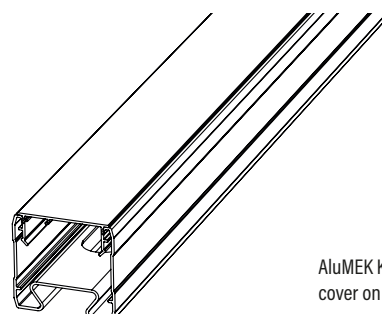


Covers ALUMEK KA are used to protect the cables from damage, dirt and UV radiation as well as to finish the installation. ALUMEK covers can be installed by pressing these into lighting support rails from top.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429461	ALUMEK KA-45 L=3000 M	0.82	1 PCE / 3 MTR
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429460	ALUMEK KA-45 L=3000 AD	0.8	1 PCE / 3 MTR
AD	Anodized aluminium : C1-C2		



ALUMEK KA is installed by pressing the cover on top of the lighting support rail.

Repair paint SPRAY

Spray paint is used to repair smaller scratches and damages of surface.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	PACKAGE
1449709	x MEKA SPRAY ZN	0.38	12 PCE
1431809	x MEKA SPRAY RAL9010	0.4	12 PCE

Threaded rod GT



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1459420	GT-6 L=1000 EG	0.15	1000	270	20 PCE / 20 MTR
1449157	GT-8 L=2000 EG	0.5	2000	490	20 PCE / 40 MTR
1449650	x GT-10 L=2000 EG	0.98	2000	600	20 PCE / 40 MTR
1449651	GT-16 L=2000 EG	2.5	2000	1000	10 PCE / 20 MTR

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1449160	x GT-10 L=2000 HDG	0.98	2000	600	20 PCE / 40 MTR
1449161	GT-16 L=2000 HDG	2.5	2000	1000	10 PCE / 20 MTR

HDG HDG or corresponding corrosion protection : C1-C4

CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	L mm	LOADING max. kg	PACKAGE
1430418	HST GT-6 L=1000	0.17	1000	270	20 PCE / 40 MTR
1430420	HST GT-10 L=2000	1	2000	600	20 PCE / 40 MTR
1430421	HST GT-16 L=2000	2.63	2000	1000	10 PCE / 20 MTR

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Protective sleeve SS

White plastic protective sleeves SS are used to cover threaded rods GT. The protection is generally needed from design but using protective sleeves also prevents the accumulation of dust and dirt on the threaded rods, which is important from hygienic point of view.



CODE	PRODUCT <small>x = stock product</small>	WGT. kg / pc	PACKAGE
1459426	SS-6 W	5.04	1 PCE / 250 MTR
1431800	x SS-10	3.16	1 PCE / 100 MTR
1431801	SS-16	6.18	1 PCE / 100 MTR

White plastic

Bolt set RS



Bolt sets RS include nut and bolt and are used to connect different Meka products.



CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1449122	x RS TKU M	M5x10	0.01	10 PCE
M	White RAL 9010 polyester paint coating : C1-C2			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1448720	x RS 4 EG	M6x20	0.01	10 PCE
1449108	x RS MEK J 10 EG	M5x10	0.01	10 PCE
1449114	x RS MEK VM EG	M5x12	0.01	100 PCE
1449123	RS SK EG	M8x20	0.03	10 PCE
1449124	x RS MEK SK EG	M5x16	0.03	10 PCE
1431735	x RS K EG	M8x25	0.02	10 PCE
1431731	RS PSF EG	M8x35	0.02	10 PCE
1431734	x RS SVK EG	M10x16	0.03	10 PCE
1470352	x RS 5 EG	M6x12	0.01	10 PCE
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1448721	RS 4 HDG	M6x20	0.01	10 PCE
1449697	x RS 1 HDG	M6x16	0.01	10 PCE
1449698	x RS 2 HDG	M8x40	0.02	10 PCE
1449699	x RS 3 HDG	M8x70	0.03	10 PCE
1449112	x RS VK2 HDG	M8x30	0.02	10 PCE
1449113	RS SMT HDG	M10x40	0.04	10 PCE
1449115	x RS KSF HDG	M10x30	0.04	10 PCE
1449125	RS KAP HDG	M6x30	0.01	10 PCE
1449127	x RS 12 HDG	M8x120	0.06	10 PCE
1449111	x RS SSU HDG	M8x80	0.04	10 PCE
1470353	x RS 5 HDG	M6x12	0.01	10 PCE
HDG	HDG or corresponding corrosion protection : C1-C4			

CODE	PRODUCT x = stock product	SIZE	WGT. kg / pc	PACKAGE
1430428	x HST RS 1	M6x12	0.01	10 PCE
1430429	x HST RS 2	M8x40	0.02	10 PCE
1430430	x HST RS 3	M8x70	0.03	10 PCE
1430431	HST RS SSU	M8x80	0.04	10 PCE
1430432	HST RS VK2	M8x30	0.02	10 PCE
1430433	x HST RS SMT	M10x40	0.04	10 PCE
1430438	HST RS KSF	M10x30	0.04	10 PCE
1448722	x RS 4 HST	M6x20	0.01	10 PCE
1470354	x RS 5 HST	M6x12	0.01	10 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX			

Nut MU



Nuts MU are used for fastening intermediate and gate supports to threaded rods.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431740	MU M10 M	0.01	100 PCE
1431741	MU M16 M	0.02	100 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459427	MU M6 EG	0.01	10 PCE
1449991	MU M8 EG	0.015	200 PCE
1449992	MU M10 EG	0.01	50 PCE
1449993	MU M16 EG	0.02	50 PCE
EG	Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1449168	MU M6 HDG	0.01	200 PCE
1449166	MU M10 HDG	0.01	100 PCE
1449167	MU M16 HDG	0.02	100 PCE
HDG	HDG or corresponding corrosion protection : C1-C4		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430426	HST MU M6	0.01	200 PCE
1430436	x HST MU M10	0.01	200 PCE
1430437	HST MU M16	0.02	50 PCE
HST	Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX		

Extension nut JM



Extension nuts are used for connecting GT-type threaded rods. The height of JM extension nuts is 40 mm.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431746	JM M10 M	0.05	50 PCE
1431747	JM M16 M	0.12	100 PCE

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431748	JM M10 HDG	0.05	50 PCE / 1 BG
1431749	JM M16 HDG	0.12	50 PCE / 1 BG

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1459425	JM M6 EG	0.01	10 PCE / 1 BG
1430062	JM M8 EG	0.02	50 PCE / 1 BG
1449704	JM M10 EG	0.05	50 PCE
1449705	JM M16 EG	0.12	100 PCE

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 4042 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1430427	HST JM M6	0.01	50 PCE / 1 BG
1430434	x HST JM M10	0.05	100 PCE
1430435	HST JM M16	0.12	50 PCE

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Washer AL



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342088	AL M6 EG	0.001	200 PCE / 1 BG
1342091	AL M8 EG	0.002	200 PCE / 1 BG
1342094	AL M10 EG	0.004	50 PCE / 1 BG
1342097	AL M16 EG	0.011	50 PCE / 1 BG

EG Electroplated with zinc after manufacturing in accordance with standard EN ISO 2081 : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342089	AL M6 HDG	0.001	200 PCE / 1 BG
1342095	AL M10 HDG	0.004	100 PCE / 1 BG
1342098	AL M16 HDG	0.011	100 PCE / 1 BG

HDG Hot-dip galvanized after manufacturing in accordance with standard EN ISO 1461 : C1-C4

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1342090	HST AL M6	0.001	200 PCE / 1 BG
1342096	HST AL M10	0.004	200 PCE / 1 BG
1342099	HST AL M16	0.011	50 PCE / 1 BG

HST Manufactured of stainless steel in accordance with standard EN 10088 : C1-CX

Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu



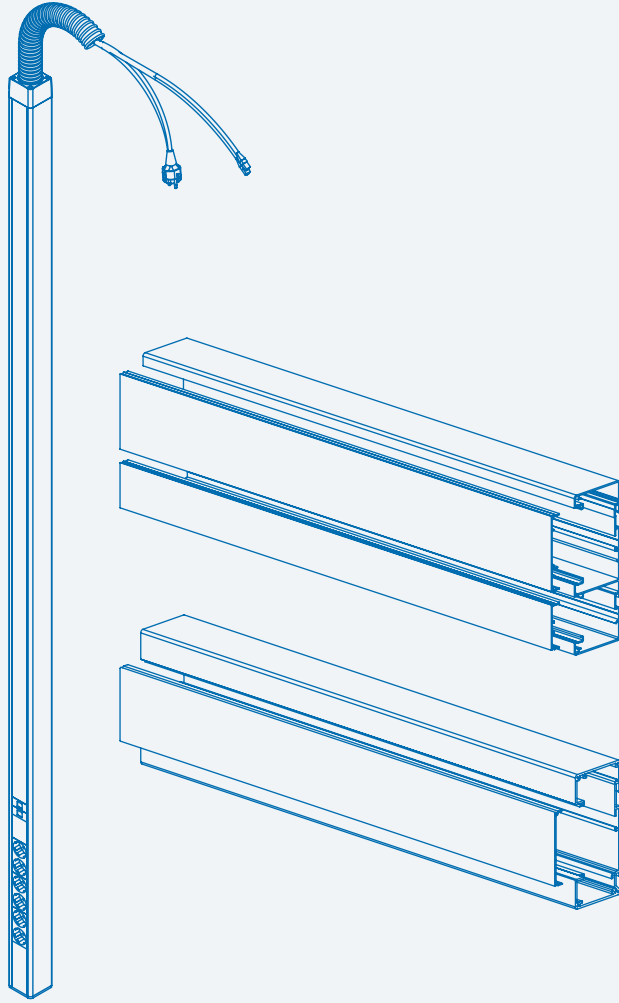






Instal

Cable Management Systems



Cable Trunkings
Socket Poles
Feeder Poles

2023



Wide selection of products.



Easy to instal trunking systems.



For construction and electrical renovation projects.

Instal® 100

Aluminium cable trunking

For 80 mm sockets

Cross-section area for cables 5 700 mm²

Instal® 108-45

Aluminium cable trunking

For 45 mm sockets

Cross-section area for cables 6 300 mm²

Instal® 130

Aluminium cable trunking

For 80 mm sockets

Cross-section area for cables 7 440 mm²

Instal® 144-2-45

Aluminium cable trunking

For two 45 mm sockets

Cross-section area for cables 8 390 mm²

Perforated inside wall.

Instal® 170-1

Aluminium cable trunking

For 80 mm sockets

Cross-section area for cables 9915 mm².

Instal® 170-2-45

Aluminium cable trunking

For 80 mm ja 45 mm sockets

Cross-section area for cables 9 765 mm²

Perforated inside wall.

Instal® 210-2

Aluminium cable trunking

For two 80 mm sockets

Cross-section area for cables 12 120 mm²

Perforated inside wall.

Instal® FT40

Aluminium cable trunking

Cross-section area for cables 581 mm²

White narrow cable trunking.

Cover included.

Instal® SP 45-1

One-sided socket pole

Standard and customizable models

Instal® SP 45-2

Two-sided socket pole

Standard and customizable models

Instal® SP 45-4

Four-sided socket pole

Customizable model

Instal® SP P50

Round feeder pole

Diameter 50 mm

Instal® SP P85

Round feeder pole

Diameter 85 mm

Gloss level for powder coated cable trunkings is 85±5.



New!
Adjusting pieces made from steel. Adjustment from both sides.

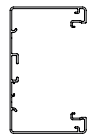
New!
White Instal®-cable trunking is now whiter than ever. Product numbers have changed.

New!
Instal® 100 and 130 cable trunkings. Now also in black colour.

Table of contents

Cable Trunkings, Socket Poles and Feeder Poles

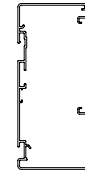
Instal® Cable Trunkings. . . . .	.5-4	Cable trunking base		Instal® SP 45-2 system . . . . .	.5-28
Cable trunking installation instructions. . . . .	.5-6	Instal® 210-2 . . . . .	.5-18	Instal® SP 45-4 system . . . . .	.5-29
Instal® 100 system. . . . .	.5-7	Feeder trunking Instal® FT 40 . . . . .	.5-18	Instal® SP P50 system . . . . .	.5-30
Instal® 108-45 system. . . . .	.5-8	Cover Instal® K. . . . .	.5-19	Instal® SP P85 system . . . . .	.5-31
Instal® 130 system. . . . .	.5-9	Joint Instal® J. . . . .	.5-19	Socket pole Instal® SP 45-1 . . . . .	.5-32
Instal® 170-1 system. . . . .	.5-11	End plate Instal® P. . . . .	.5-20	Socket pole Instal® SP 45-2 . . . . .	.5-33
Instal® 170-2-45 system. . . . .	.5-13	Corner piece Instal® KU . . . . .	.5-21	Socket pole Instal® SP 45-4 . . . . .	.5-34
Instal® 210-2 system. . . . .	.5-14	Cable shelf Instal® VS. . . . .	.5-22	Feeder pole Instal® SP P50 . . . . .	.5-34
Cable trunking base		Wall collar Instal® LVK . . . . .	.5-22	Feeder pole Instal® SP P85 . . . . .	.5-35
Instal® 100. . . . .	.5-15	Trunking collar Instal® LK . . . . .	.5-22	Cover Instal® K45 PRP . . . . .	.5-35
Cable trunking base		Joint cover Instal® UT . . . . .	.5-23	Flexible conduit Instal® WP . . . . .	.5-35
Instal® 108-45 . . . . .	.5-15	Wall bracket Instal® SK . . . . .	.5-23	Ceiling frame Instal® MB1 . . . . .	.5-36
Cable trunking base		Decorative rib Instal® PS . . . . .	.5-24	Ceiling bracket Instal® MB2 . . . . .	.5-36
Instal® 130. . . . .	.5-16	Joint Instal® PSJ . . . . .	.5-24	Flexible conduit bracket	
Cable trunking base		Adjusting piece Instal® SL2 . . . . .	.5-24	Instal® MB3. . . . .	.5-36
Instal® 144-2-45 . . . . .	.5-16	Sound isolation piece		Table bracket Instal® TB . . . . .	.5-36
Cable trunking base		Instal® LIS. . . . .	.5-25	Mounting Clamp Instal® MC . . . . .	.5-37
Instal® 170-1. . . . .	.5-17	Mounting box Basic MB . . . . .	.5-26	Floor base Instal® FS . . . . .	.5-37
Cable trunking base		End caps with strain relieves		Floor Clamp Instal® FC . . . . .	.5-37
Instal® 170-2-45 . . . . .	.5-17	Basic EC . . . . .	.5-26	End piece Instal® LE. . . . .	.5-37
		Earthing coupler Instal® ML. . . . .	.5-26		



INSTAL® 100

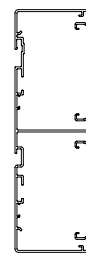
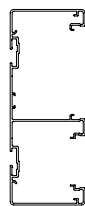
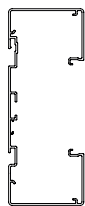
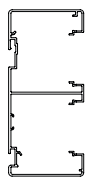


INSTAL® 108-45



INSTAL® 130

Cable trunking base		Instal 100 M PW Instal 100 B Instal 100 AD	14 590 32 14 590 68 14 590 34	Instal 108-45 M PW Instal 108-45 AD	14 295 54 14 295 14	Instal 130 M PW Instal 130 B Instal 130 AD	14 590 33 14 590 69 14 590 35
Cover		Instal K80 M PW Instal K80 B Instal K80 AD	14 295 33 14 295 75 14 296 80			Instal K80 M PW Instal K80 B Instal K80 AD	14 295 33 14 295 75 14 296 80
Cover				Instal K45 M PW Instal K45 AD	14 295 31 14 296 49		
Joint		Instal J	14 297 69	Instal J	14 297 69	Instal J	14 297 69
Corner piece		Instal KUI100 M PW Instal KUI100 B Instal KUI100 AD	14 590 51 14 590 72 14 590 53	Instal KUI108 M PW Instal KUI108 AD	14 295 24 14 296 11	Instal KUI130 M PW Instal KUI130 B Instal KUI130 AD	14 590 52 14 590 73 14 590 54
End plate		Instal P100 M Instal P100 AD Instal P100 B	14 590 36 14 590 38 14 590 70	Instal P108 M Instal P108 AD	14 297 21 14 296 51	Instal P130 M Instal P130 AD Instal P130 P	14 590 37 14 590 39 14 590 71
Wall collar		Instal LVK 100	14 590 55	Instal LVK 108	14 297 41	Instal LVK 130	14 590 56
Trunking collar		Instal LK 100	14 590 57	Instal LK 108	14 297 51	Instal LK 130	14 590 58
Wall bracket						Instal SK 20 Instal SK 40 Instal SK 75 Instal SK 100 Instal SK 125	14 297 61 14 297 62 14 297 63 14 297 64 14 297 65
Decorative rib		Instal PS M PW Instal PS AD	14 295 95 14 296 70	Instal PS M PW Instal PS AD	14 295 95 14 296 70	Instal PS M PW Instal PS AD	14 295 95 14 296 70
Joint		Instal PSJ	14 297 71	Instal PSJ	14 297 71	Instal PSJ	14 297 71
Joint cover		Instal UT 100 M Instal UT 100 AD	14 590 45 14 590 47	Instal UT 108 M Instal UT 108 AD	14 297 81 14 296 81	Instal UT 130 M Instal UT 130 AD	14 590 46 14 590 48
Adjusting piece						Instal SL2 Used with wall bracket SK.	14 295 28
Cable shelf		Instal VS M PW Instal VS2 M PW	14 295 43 14 295 44			Instal VS M PW Instal VS2 M PW	14 295 43 14 295 44
Earthing coupler		Instal ML	14 292 76	Instal ML	14 292 76	Instal ML	14 292 76
Sound isolation piece		Instal LIS-80	14 293 01	Instal LIS-48	14 293 00	Instal LIS-80	14 293 01
Mounting box		Basic MB	14 332 40			Basic MB	14 332 40
End caps with strain relieves		Basic EC	14 332 41			Basic EC	14 332 41



INSTAL® 144-2-45

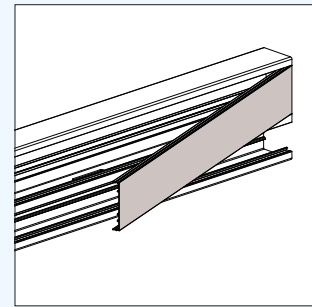
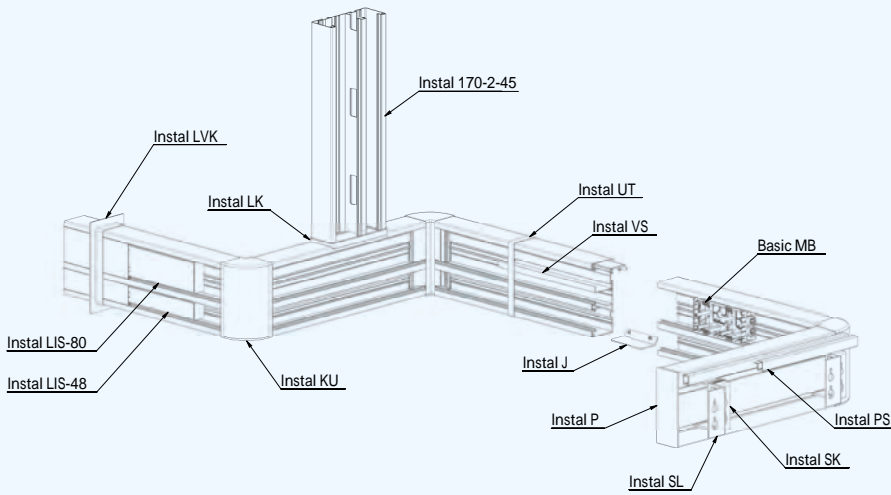
INSTAL® 170-1

INSTAL® 170-2-45

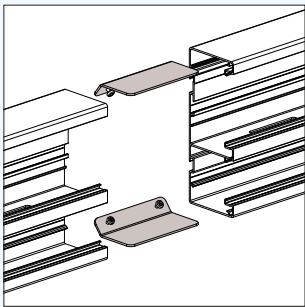
INSTAL® 210-2

Instal 144-2-45 M PW Instal 144-2-45 AD	14 295 56 14 295 16	Instal 170-1 M PW Instal 170-1 AD	14 295 82 14 296 03	Instal 170-2-45 M PW Instal 170-2-45 AD	14 295 84 14 296 06	Instal 210-2 M PW Instal 210-2 AD	14 295 93 14 296 05
		Instal K80 M PW Instal K80 AD	14 295 33 14 296 80	Instal K80 M PW Instal K80 AD	14 295 33 14 296 80	Instal K80 M PW Instal K80 AD	14 295 33 14 296 80
Instal K45 M PW Instal K45 AD	14 295 31 14 296 49			Instal K45 M PW Instal K45 AD	14 295 31 14 296 49		
Instal J	14 297 69	Instal J	14 297 69	Instal J	14 297 69	Instal J	14 297 69
Instal KU144 M PW Instal KU144 AD	14 295 25 14 296 12	Instal KU170 M PW Instal KU170 AD	14 295 26 14 296 13	Instal KU170 M PW Instal KU170 AD	14 295 26 14 296 13	Instal KU210 M PW Instal KU210 AD	14 295 27 14 296 15
Instal P144 M Instal P144 AD	14 297 22 14 296 52	Instal P170 M Instal P170 AD	14 297 23 14 296 53	Instal P170 M Instal P170 AD	14 297 23 14 296 53	Instal P210 M Instal P210 AD	14 297 25 14 296 55
Instal LVK 144	14 297 42	Instal LVK 170	14 297 43	Instal LVK 170	14 297 43	Instal LVK 210	14 297 45
Instal LK 144	14 297 52	Instal LK 170	14 297 53	Instal LK 170	14 297 53	Instal LK 210	14 297 55
Instal SK 20 Instal SK 40 Instal SK 75 Instal SK 100 Instal SK 125	14 297 61 14 297 62 14 297 63 14 297 64 14 297 65	Instal SK 20 Instal SK 40 Instal SK 75 Instal SK 100 Instal SK 125	14 297 61 14 297 62 14 297 63 14 297 64 14 297 65	Instal SK 20 Instal SK 40 Instal SK 75 Instal SK 100 Instal SK 125	14 297 61 14 297 62 14 297 63 14 297 64 14 297 65	Instal SK 20 Instal SK 40 Instal SK 75 Instal SK 100 Instal SK 125	14 297 61 14 297 62 14 297 63 14 297 64 14 297 65
Instal PS M PW Instal PS AD	14 295 95 14 296 70	Instal PS M PW Instal PS AD	14 295 95 14 296 70	Instal PS M PW Instal PS AD	14 295 95 14 296 70	Instal PS M PW Instal PS AD	14 295 95 14 296 70
Instal PSJ	14 297 71	Instal PSJ	14 297 71	Instal PSJ	14 297 71	Instal PSJ	14 297 71
Instal UT 144 M Instal UT 144 AD	14 297 82 14 296 82	Instal UT 170 M Instal UT 170 AD	14 297 83 14 296 83	Instal UT 170 M Instal UT 170 AD	14 297 83 14 296 83	Instal UT 210 M Instal UT 210 AD	14 297 85 14 296 85
Instal SL2 Used with wall bracket SK.	14 295 28	Instal SL2 Used with wall bracket SK.	14 295 28	Instal SL2 Used with wall bracket SK.	14 295 28	Instal SL2 Used with wall bracket SK.	14 295 28
		Instal VS M PW Instal VS2 M PW	14 295 43 14 295 44			Instal VS M PW Instal VS2 M PW	14 295 43 14 295 44
Instal ML	14 292 76	Instal ML	14 292 76	Instal ML	14 292 76	Instal ML	14 292 76
Instal LIS-48	14 293 00	Instal LIS-80	14 293 01	Instal LIS-48 Instal LIS-80	14 293 00 14 293 01	Instal LIS-48 Instal LIS-80	14 293 00 14 293 01
		Basic MB	14 332 40	Basic MB	14 332 40	Basic MB	14 332 40
		Basic EC	14 332 41	Basic EC	14 332 41	Basic EC	14 332 41

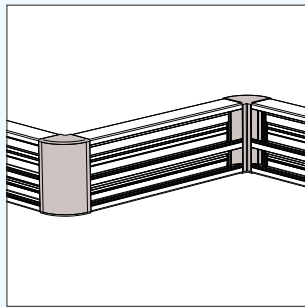
Cable trunking installation instructions



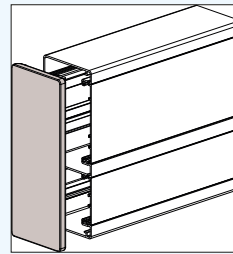
Cable trunking cover installation
Cable trunking covers lock in place when pressed on the fixture opening.



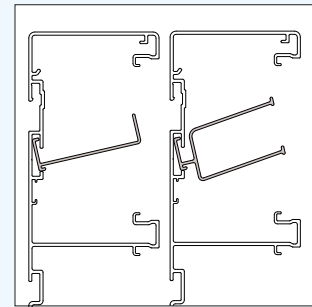
Joint installation
Joints are installed to grooves inside cable trunking base and locked by included screws. Two joints are required to form a joint.



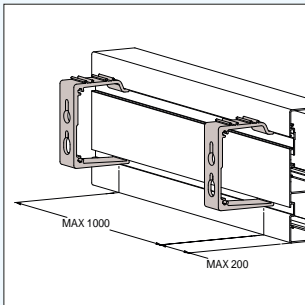
Corner piece installation
Cable trunking base is pushed inside the corner piece, after which it can be extended with another cable trunking base from the other side of the corner piece.



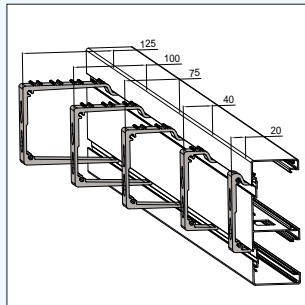
End plate installation
End plates are installed by pressing them on the cable trunking.



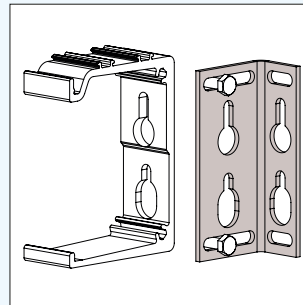
Cable shelf installation
Cable shelves are installed by locking them to the cable trunking base's groove as shown in the image.



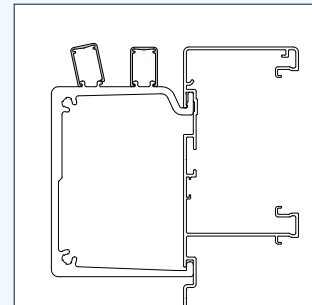
Wall bracket installation
The cable trunking base is suspended on the wall bracket's hooks from the grooves in cable trunking base.



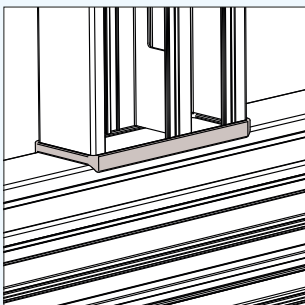
Wall bracket sizes
There are five different sizes of the wall bracket. Cable trunking can be installed 20-125 mm from the wall depending on the selected bracket size.



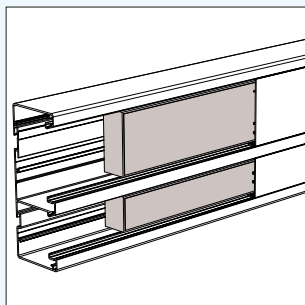
Adjusting piece installation
Adjusting piece is installed to the wall bracket as shown in the image. Adjusting range 0-24 mm.



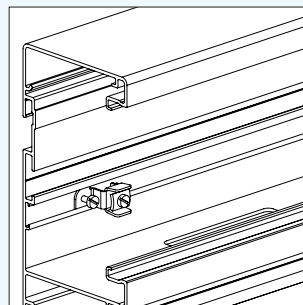
Decorative rib installation
Decorative ribs are installed to the wall bracket as shown in the image. Decorative ribs are used to close the gap between the cable trunking and wall without blocking air flow.



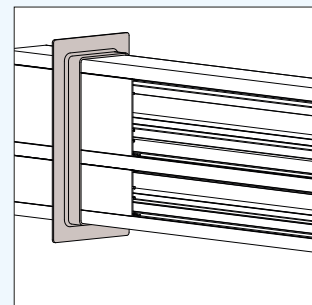
Trunking collar installation
Trunking collars are installed in the joints of a horizontal and a vertical cable trunking.



Sound isolation piece installation
Sound isolation pieces are installed inside the cable trunking under the cover.

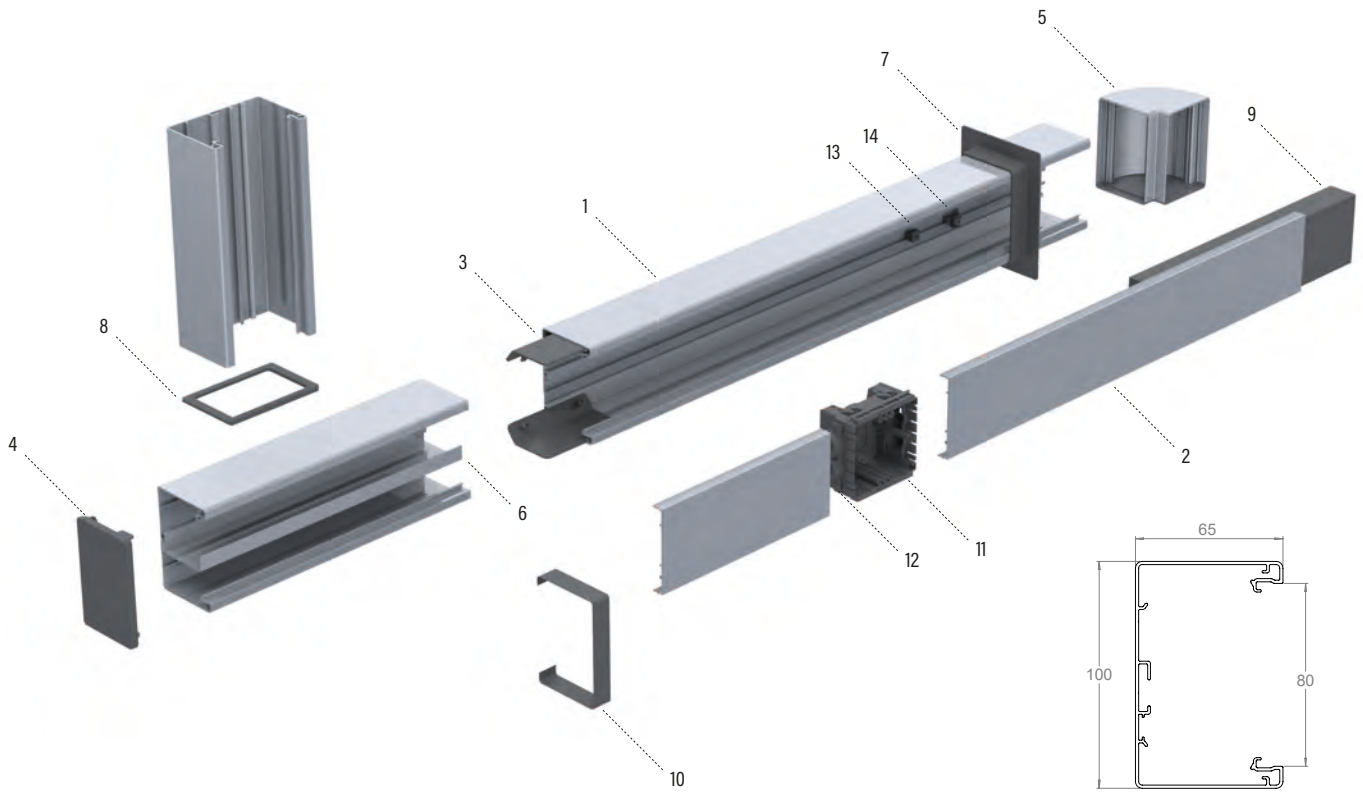


Earthing coupler installation
The earthing coupler is installed to the groove inside the cable trunking base and fastened with the included screw.



Wall collar
Wall collars are used when the cable trunking needs to pass through a wall, for example.

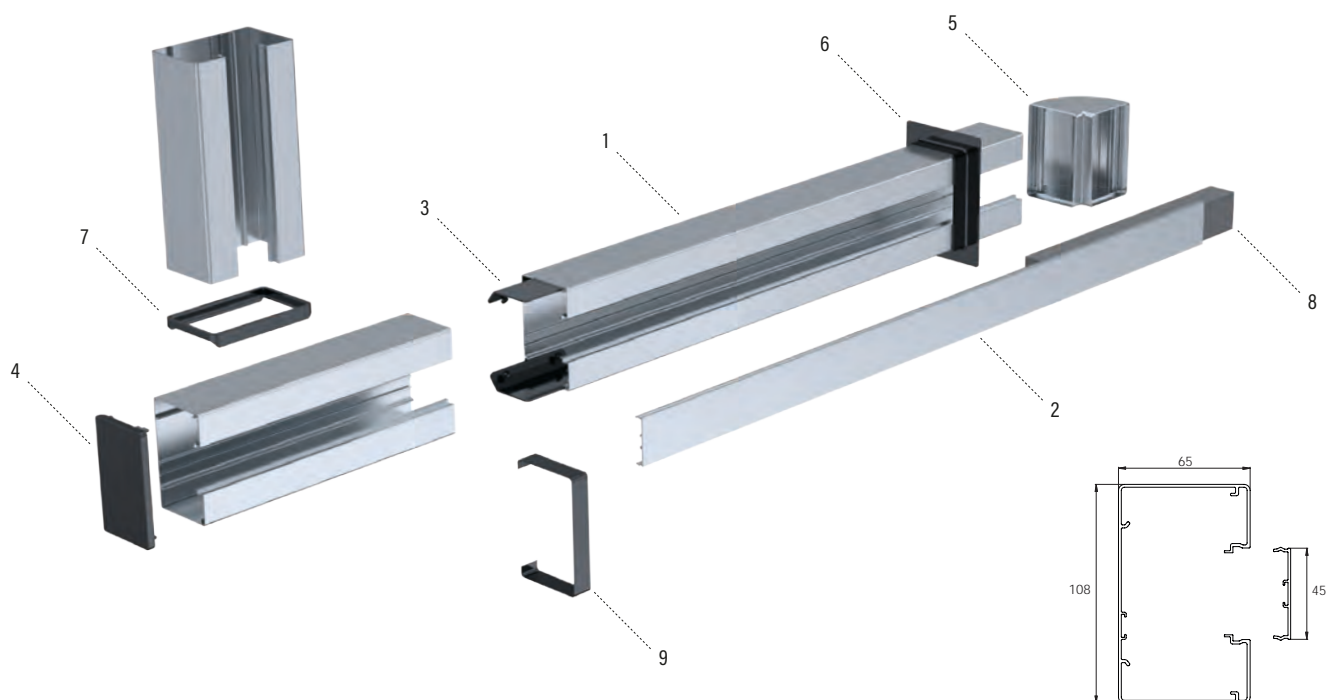
Instal® 100 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Cable trunking base	INSTAL 100	(M) (B) (AD)	5-15
2	Cover	INSTAL K80	(M) (B) (AD)	5-19
3	Joint	INSTAL J	(PG)	5-19
4	End plate	INSTAL P 100	White, grey, black	5-20
5	Corner piece	INSTAL KU 100	(M) (B) (AD)	5-21
6	Cable shelf	INSTAL VS	(AL)	5-22
7	Wall collar	INSTAL LVK 100	White	5-22
8	Trunking collar	INSTAL LK 100	White	5-22
9	Sound isolation piece	INSTAL LIS-80	Grey	5-25
10	Joint cover	INSTAL UT 100	(M) (AD)	5-23
11	Mounting box	BASIC MB	White	5-26
12	End caps with strain reliefs	BASIC EC	White	5-26
13	Cable tie clamp	INSTAL CH	White	5-25
14	Earthing coupler	INSTAL ML	(PG)	5-26

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electro-galvanized steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanized steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanized after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

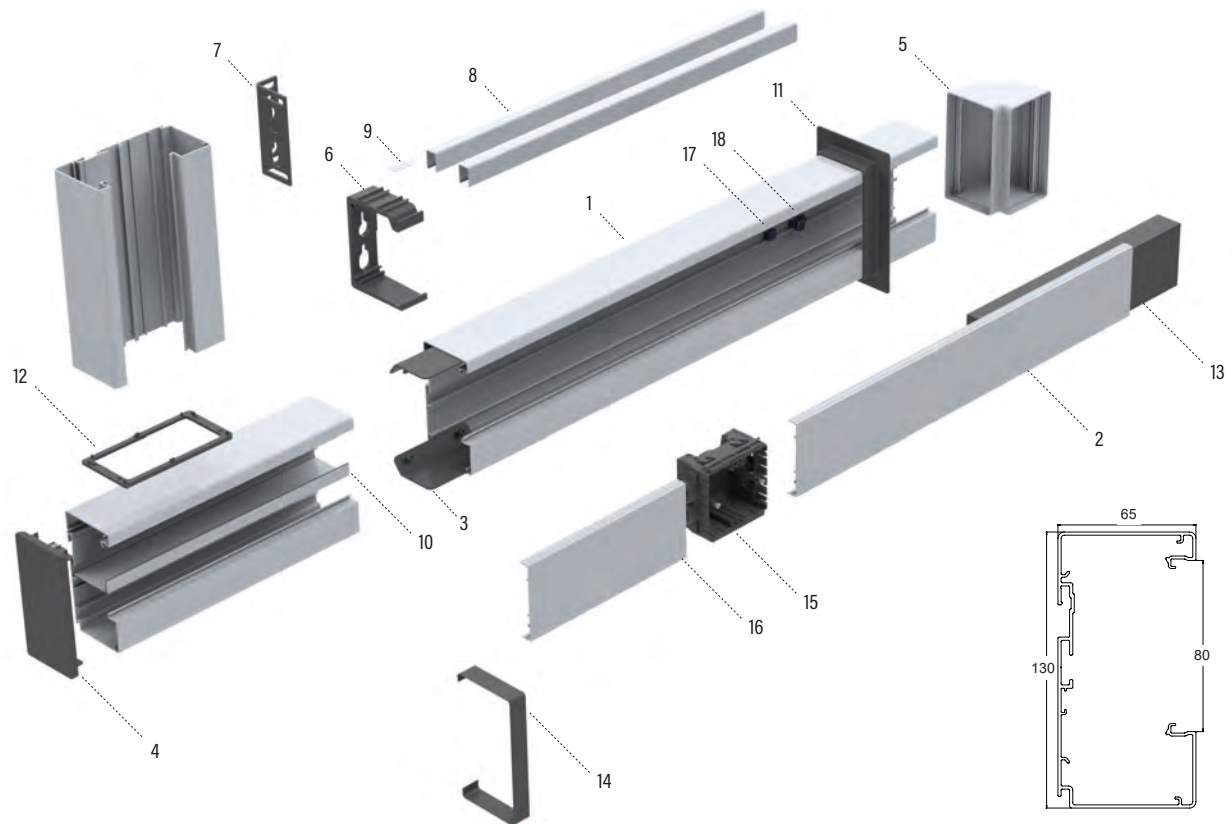
Instal® 108-45 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Cable trunking base	INSTAL 108-45	(M) (AD)	5-15
2	Cover	INSTAL K45	(M) (AD)	5-19
3	Joint	INSTAL J	(PG)	5-19
4	End plate	INSTAL P 108	White, grey	5-20
5	Corner piece	INSTAL KU 108	(M) (AD)	5-21
6	Wall collar	INSTAL LVK 108	White	5-22
7	Trunking collar	INSTAL LK 108	White	5-22
8	Sound isolation piece	INSTAL LIS-48	Grey	5-25
9	Joint cover	INSTAL UT 108	White, grey	5-23
	Cable tie clamp	INSTAL CH	White	5-25
	Earthing coupler	INSTAL ML	(PG)	5-26

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

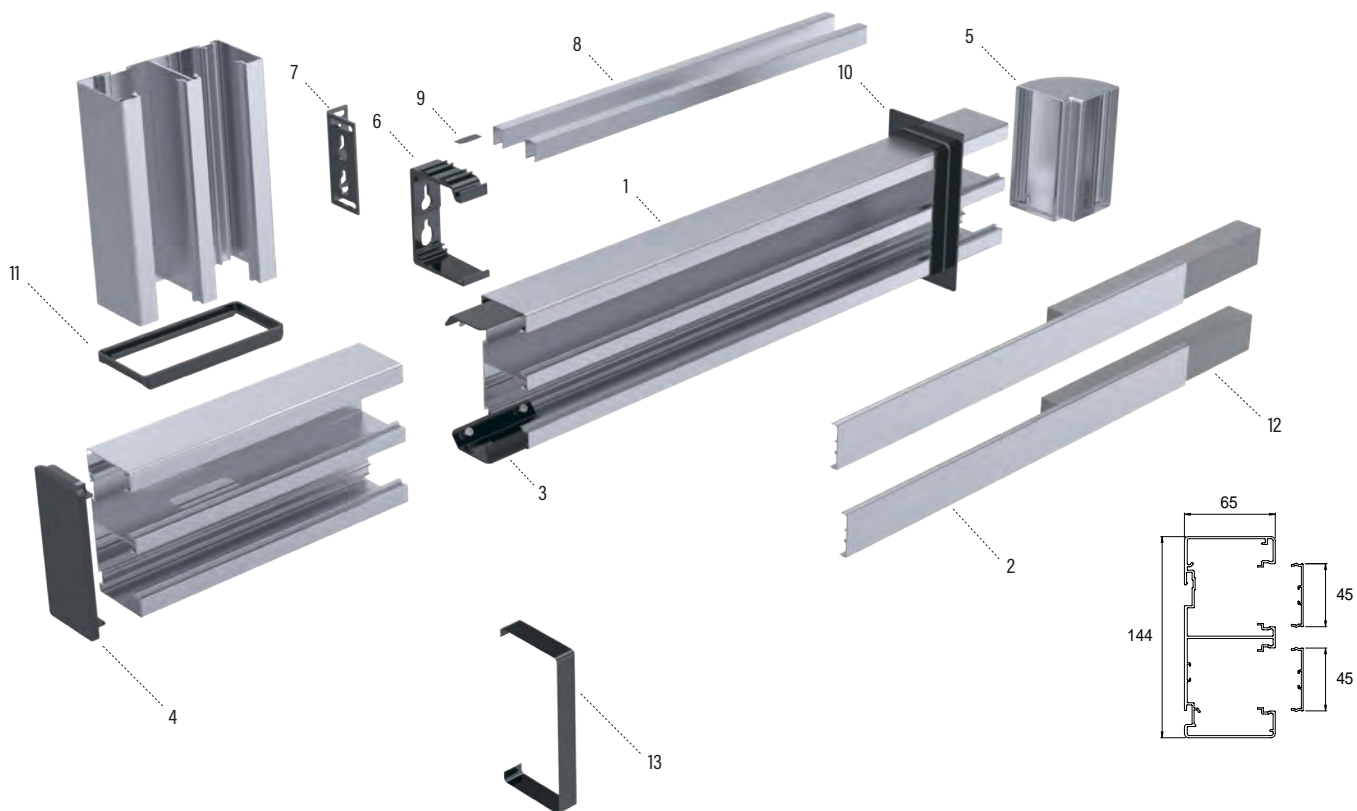
Instal® 130 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Cable trunking base	INSTAL 130	(M) (B) (AD)	5-16
2	Cover	INSTAL K80	(M) (B) (AD)	5-19
3	Joint	INSTAL J	(PG)	5-19
4	End plate	INSTAL P 130	White, grey, black	5-20
5	Corner piece	INSTAL KU 130	(M) (B) (AD)	5-21
6	Wall bracket	INSTAL SK	(AL)	5-23
7	Adjusting piece	INSTAL SL2	(PG)	5-24
8	Decorative rib	INSTAL PS	(AD)	5-24
9	Joint	INSTAL PSJ	(PG)	5-24
10	Cable shelf	INSTAL VS	(AL)	5-22
11	Wall collar	INSTAL LVK 130	White	5-22
12	Trunking collar	INSTAL LK 130	White	5-22
13	Sound isolation piece	INSTAL LIS-80	Grey	5-25
14	Joint cover	INSTAL UT 130	(AD)	5-23
15	Mounting box	BASIC MB	White	5-26
16	End caps with strain relieves	BASIC EC	White	5-26
17	Cable tie clamp	INSTAL CH	White	5-25
18	Earthing coupler	INSTAL ML	(PG)	5-26

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDB) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

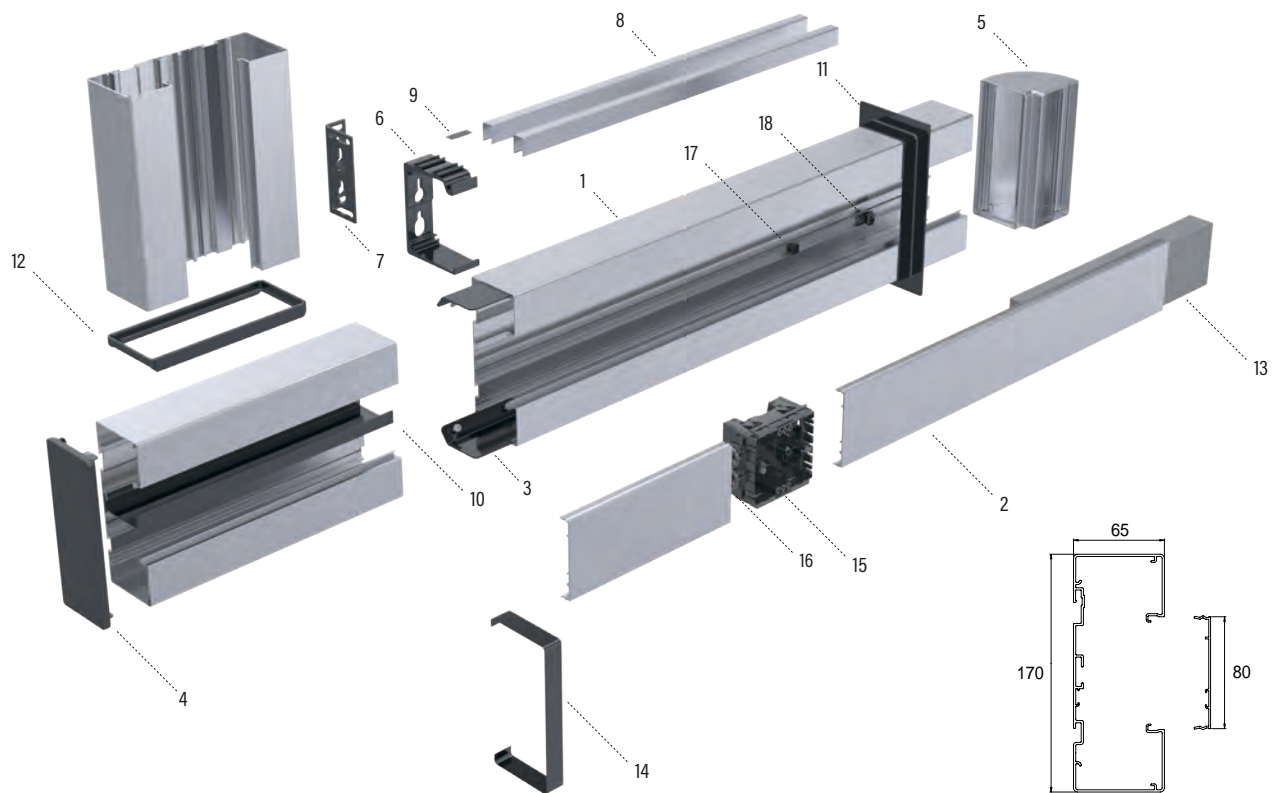
Instal® 144-2-45 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Cable trunking base	INSTAL 144-2-45	(M) (AD)	5-16
2	Cover	INSTAL K45	(M) (AD)	5-19
3	Joint	INSTAL J	(PG)	5-19
4	End plate	INSTAL P 144	White, grey	5-20
5	Corner piece	INSTAL KU 144	(M) (AD)	5-21
6	Wall bracket	INSTAL SK	(AL)	5-23
7	Adjusting piece	INSTAL SL2	(PG)	5-24
8	Decorative rib	INSTAL PS	(M) (AD)	5-24
9	Joint	INSTAL PSJ	(PG)	5-24
10	Wall collar	INSTAL LVK 144	White	5-22
11	Trunking collar	INSTAL LK 144	White	5-22
12	Sound isolation piece	INSTAL LIS-48	Grey	5-25
13	Joint cover	INSTAL UT 144	(M) (AD)	5-30
	Cable tie clamp	INSTAL CH	White	5-25
	Earthing coupler	INSTAL ML	(PG)	5-26

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electro-galvanized steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanized steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanized after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (BSt) Acid-proof steel. Atmospheric-corrosivity category C1-CX

Instal® 170-1 system

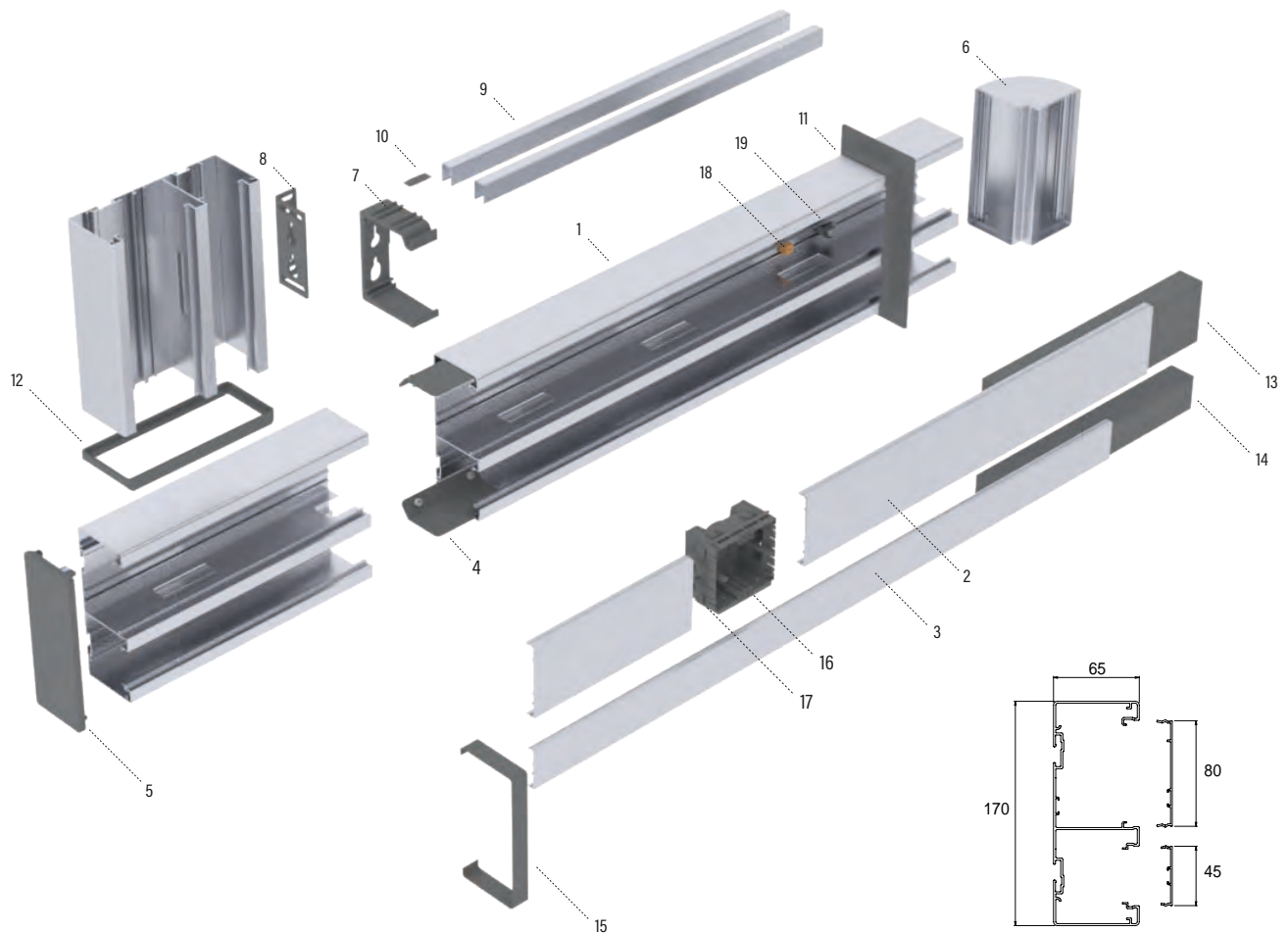


NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Cable trunking base	INSTAL 170-1	(M) (AD)	5-22
2	Cover	INSTAL K80	(M) (AD)	5-26
3	Joint	INSTAL J	(PG)	5-19
4	End plate	INSTAL P 170	White, grey	5-20
5	Corner piece	INSTAL KU 170	(M) (AD)	5-21
6	Wall bracket	INSTAL SK	(AL)	5-23
7	Adjusting piece	INSTAL SL2	(PG)	5-24
8	Decorative rib	INSTAL PS	(M) (AD)	5-24
9	Joint	INSTAL PSJ	(PG)	5-24
10	Cable shelf	INSTAL VS	(AL)	5-22
11	Wall collar	INSTAL LVK 170	White	5-22
12	Trunking collar	INSTAL LK 170	White	5-22
13	Sound isolation piece	INSTAL LIS-80	Grey	5-25
14	Joint cover	INSTAL UT 170	(M) (AD)	5-23
15	Mounting box	BASIC MB	White	5-26
16	End caps with strain relieves	BASIC EC	White	5-26
17	Cable tie clamp	INSTAL CH	White	5-25
18	Earthing coupler	INSTAL ML	(PG)	5-26

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX



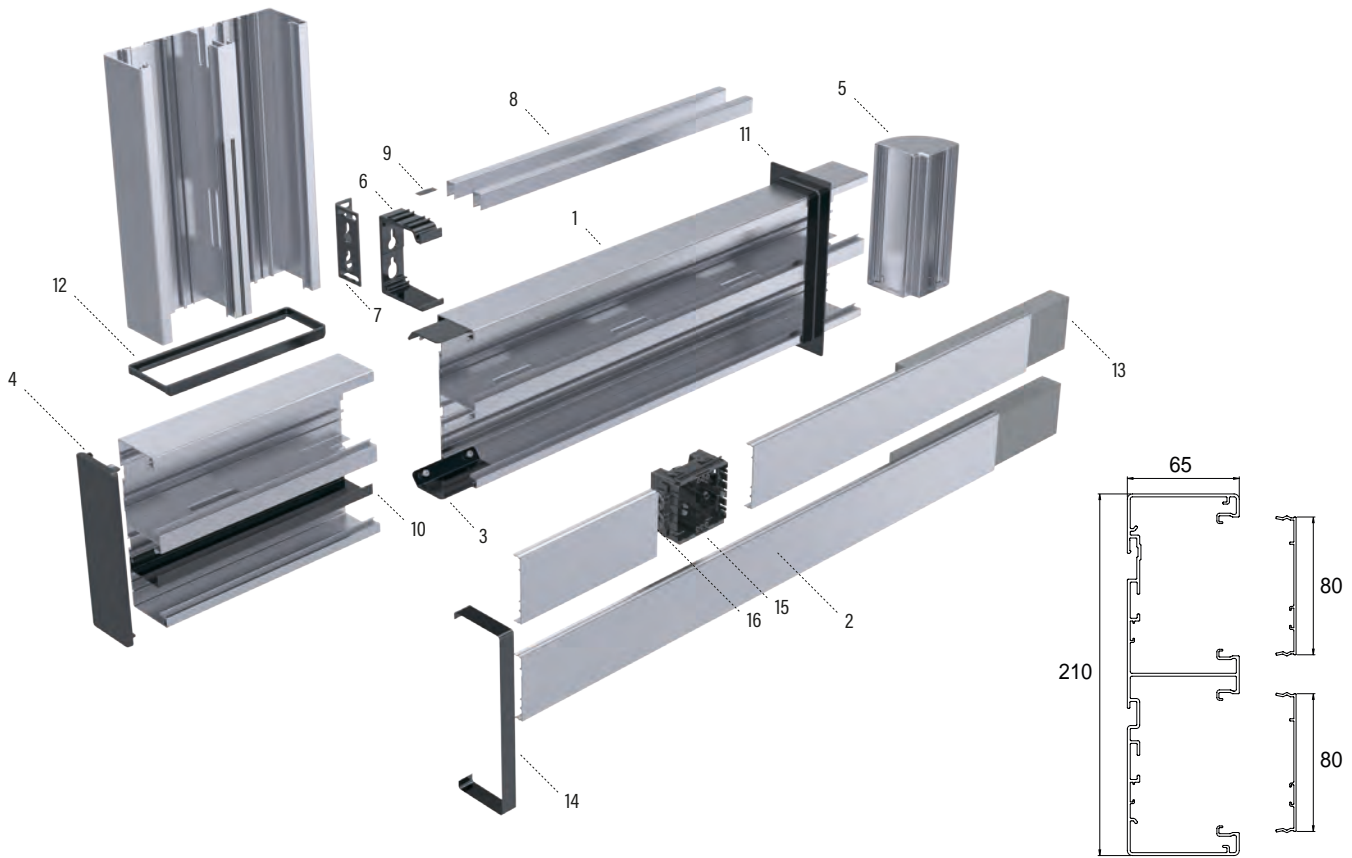
Instal® 170-2-45 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Cable trunking base	INSTAL 170-2-45	(M) (AD)	5-17
2	Cover	INSTAL K80	(M) (AD)	5-19
3	Cover	INSTAL K45	(M) (AD)	5-19
4	Joint	INSTAL J	(PG)	5-19
5	End plate	INSTAL P 170	(M) (AD)	5-20
6	Corner piece	INSTAL KU 170	(M) (AD)	5-21
7	Wall bracket	INSTAL SK	(AL)	5-23
8	Adjusting piece	INSTAL SL2	(PG)	5-24
9	Decorative rib	INSTAL PS	(M) (AD)	5-24
10	Joint	INSTAL PSJ	(PG)	5-24
11	Wall collar	INSTAL LVK 170	White	5-22
12	Trunking collar	INSTAL LK 170	White	5-22
13	Sound isolation piece	INSTAL LIS-80	Grey	5-25
14	Sound isolation piece	INSTAL LIS-48	Grey	5-25
15	Joint cover	INSTAL UT 170 AD	(M) (AD)	5-23
16	Mounting box	BASIC MB	White	5-26
17	End caps with strain relieves	BASIC EC	White	5-26
18	Cable tie clamp	INSTAL CH	White	5-25
19	Earthing coupler	INSTAL ML	(PG)	5-26

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C2
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (NST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

Instal® 210-2 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Cable trunking base	INSTAL 210-2	(M) (AD)	5-24
2	Cover	INSTAL K80	(M) (AD)	5-19
3	Joint	INSTAL J	(PG)	5-19
4	End plate	INSTAL P 210	White, grey	5-20
5	Corner piece	INSTAL KU 210	(M) (AD)	5-21
6	Wall bracket	INSTAL SK	(AL)	5-23
7	Adjusting piece	INSTAL SL2	(PG)	5-24
8	Decorative rib	INSTAL PS	(M) (AD)	5-24
9	Joint	INSTAL PSJ	(PG)	5-24
10	Cable shelf	INSTAL VS	(AL)	5-22
11	Wall collar	INSTAL LVK 210	White	5-22
12	Trunking collar	INSTAL LK 210	White	5-22
13	Sound isolation piece	INSTAL LIS-80	Grey	5-25
14	Joint cover	INSTAL UT 210	(M) (AD)	5-23
15	Mounting box	BASIC MB	White	5-26
16	End caps with strain relieves	BASIC EC	White	5-26
	Cable tie clamp	INSTAL CH	White	5-25
	Earthing coupler	INSTAL ML	(PG)	5-26

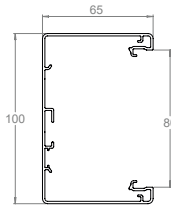
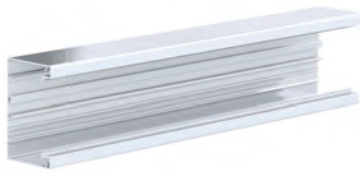
- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (ER) Electrogalvanized steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanized steel. Atmospheric-corrosivity category C1-C2
- (HDB) Hot-dip galvanized after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

Cable trunking base Instal® 100



Universal one-section aluminium trunkings INSTAL 100 are used for installing 80 mm sockets and fixtures of different manufacturers - directly or by using mounting boxes BASIC MB. To extend trunkings joints INSTAL J can be used. The cross-section area of INSTAL 100 is 5700 mm².

Product set includes trunking base, covers INSTAL K80 shall be ordered separately. Visible surfaces of trunkings are covered with protective film, which is removed after installation.



CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	PACKAGE
1459032	INSTAL 100 L=3000 M PW	3.58	1 PCE / 3 MTR

M	White RAL 9010 polyester paint coating : C1-C2		
---	--	--	--

CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	PACKAGE
1459068	INSTAL 100 L=3000 B	3.58	1 PCE / 3 MTR

B	Black RAL 9005 polyester paint coating : C1-C2		
---	--	--	--

CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	PACKAGE
1459034	INSTAL 100 L=3000 AD	3.58	1 PCE / 3 MTR

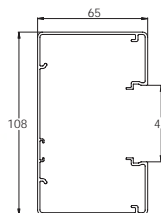
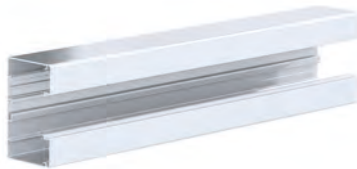
AD	Anodized aluminium : C1-C2		
----	----------------------------	--	--

Cable trunking base Instal® 108-45



Universal one-section aluminium trunkings INSTAL 108-45 are used for installing 45 mm sockets and fixtures of different manufacturers. To extend trunkings joints INSTAL J can be used. The cross-section area of INSTAL 108-45 is 6300 mm².

Product set includes trunking base, covers INSTAL K45 shall be ordered separately. Visible surfaces of trunkings are covered with protective film, which is removed after installation.



CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	PACKAGE
1429554	INSTAL 108-45 L=3000 M PW	4.86	1 PCE / 3 MTR

M	White RAL 9010 polyester paint coating : C1-C2		
---	--	--	--

CODE	PRODUCT <i>x</i> = stock product	WGT. kg / pc	PACKAGE
1429514	INSTAL 108-45 L=3000 AD	4.72	1 PCE / 3 MTR

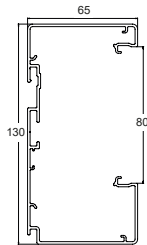
AD	Anodized aluminium : C1-C2		
----	----------------------------	--	--

Cable trunking base Instal® 130



Universal one-section aluminium trunkings INSTAL 130 are used for installing 80 mm sockets and fixtures of different manufacturers - directly or by using mounting boxes BASIC MB. To extend trunkings joints INSTAL J can be used. The cross-section area of INSTAL 130 is 7440 mm².

Product set includes trunking base, covers INSTAL K80 shall be ordered separately. Visible surfaces of trunkings are covered with protective film, which is removed after installation.



CODE	PRODUCT	WGT.	PACKAGE
1459033	x INSTAL 130 L=3000 M PW	4.755	1 PCE / 3 MTR
M	White RAL 9010 polyester paint coating : C1-C2		

CODE	PRODUCT	WGT.	PACKAGE
1459069	x INSTAL 130 L=3000 B	4.755	1 PCE / 3 MTR
B	Black RAL 9005 polyester paint coating : C1-C2		

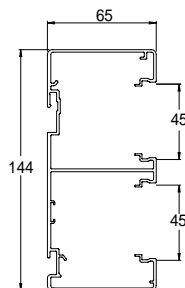
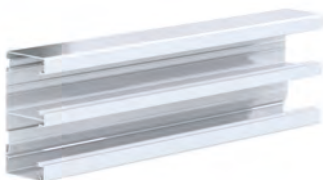
CODE	PRODUCT	WGT.	PACKAGE
1429602	x INSTAL 130 L=3000 AD	4.755	1 PCE / 3 MTR
AD	Anodized aluminium : C1-C2		

Cable trunking base Instal® 144-2-45



Universal two-section aluminium trunkings INSTAL 144-2-45 are used for installing 45 mm sockets and fixtures of different manufacturers. The partitions of trunkings have holes for leading-in cables. To extend trunkings joints INSTAL J can be used. The cross-section area of INSTAL 144-2-45 is 8390 mm².

Product set includes trunking base, covers INSTAL K45 shall be ordered separately. Visible surfaces of trunkings are covered with protective film, which is removed after installation.



CODE	PRODUCT	WGT.	PACKAGE
1429556	x INSTAL 144-2-45 L=3000 M PW	6.5	1 PCE / 3 MTR
M	White RAL 9010 polyester paint coating : C1-C2		

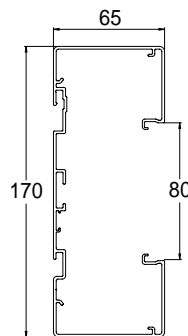
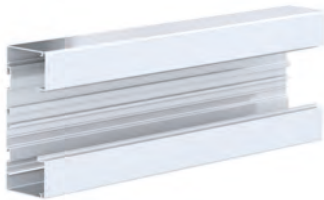
CODE	PRODUCT	WGT.	PACKAGE
1429516	x INSTAL 144-2-45 L=3000 AD	6.32	1 PCE / 3 MTR
AD	Anodized aluminium : C1-C2		

Cable trunking base Instal® 170-1



Universal one-section aluminium trunkings INSTAL 170-1 are used for installing 80 mm sockets and fixtures of different manufacturers - directly or by using mounting boxes BASIC MB. To extend trunkings joints INSTAL J can be used. The cross-section area of INSTAL 170-1 is 9915 mm².

Product set includes trunking base, covers INSTAL K80 shall be ordered separately. Visible surfaces of trunkings are covered with protective film, which is removed after installation.



CODE	PRODUCT	WGT.	PACKAGE
1429582	x INSTAL 170-1 L=3000 M PW	6.48	1 PCE / 3 MTR

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1429603	x INSTAL 170-1 L=3000 AD	6.29	1 PCE / 3 MTR

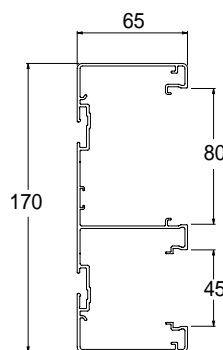
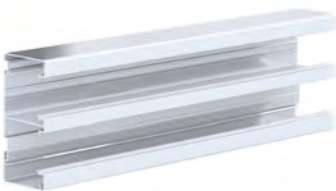
AD Anodized aluminium : C1-C2

Cable trunking base Instal® 170-2-45



Universal two-section aluminium trunkings INSTAL 170-2-45 are used for installing 45 mm and 80 mm sockets and fixtures of different manufacturers - directly or by using mounting boxes BASIC MB. To extend trunkings joints INSTAL J can be used. The cross-section area of INSTAL 170-2-45 is 9765 mm².

Product set includes trunking base, covers INSTAL K80 and INSTAL K45 shall be ordered separately. Visible surfaces of trunkings are covered with protective film, which is removed after installation.



CODE	PRODUCT	WGT.	PACKAGE
1429584	x INSTAL 170-2-45 L=3000 M PW	7.01	1 PCE / 3 MTR

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
1429606	x INSTAL 170-2-45 L=3000 AD	6.81	1 PCE / 3 MTR

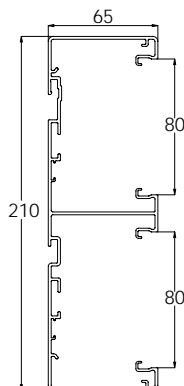
AD Anodized aluminium : C1-C2

Cable trunking base Instal® 210-2



Universal two-section aluminium trunkings INSTAL 210-2 are used for installing 80 mm sockets and fixtures of different manufacturers - directly or by using mounting boxes BASIC MB. The partitions of trunkings have holes for leading-in cables. To extend trunkings joints INSTAL J can be used. The cross-section area of INSTAL 210-2 is 12120 mm².

Product set includes trunking base, covers INSTAL K80 shall be ordered separately. Visible surfaces of trunkings are covered with protective film, which is removed after installation.



CODE	PRODUCT	WGT.	PACKAGE
	<i>x</i> = stock product	kg / pc	
1429593	<i>x</i> INSTAL 210-2 L=3000 M PW	8.2	1 PCE / 3 MTR
M	White RAL 9010 polyester paint coating : C1-C2		

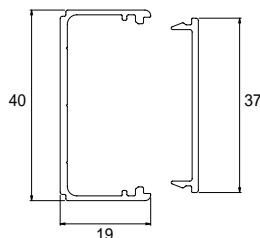
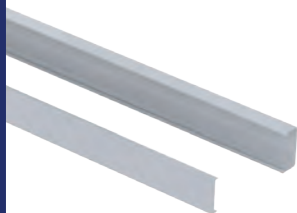
CODE	PRODUCT	WGT.	PACKAGE
	<i>x</i> = stock product	kg / pc	
1429605	<i>x</i> INSTAL 210-2 L=3000 AD	7.96	1 PCE / 3 MTR
AD	Anodized aluminium : C1-C2		

Feeder trunking Instal® FT 40



Aluminium feeder trunkings INSTAL FT are used only for installing cables. Dimensions of trunkings INSTAL FT are 2700x40x19 mm and cross-section area 581 mm².

Product set includes trunking base and cover.



CODE	PRODUCT	WGT.	PACKAGE
	<i>x</i> = stock product	kg / pc	
1429594	<i>x</i> INSTAL FT 40 L=2700 M PW	1.2	5,4 MTR / 2 PCE
M	White RAL 9010 polyester paint coating : C1-C2		

Up-to-date and comprehensive product information, test results and example installations are available on our website.

www.meka.eu



Cover Instal® K

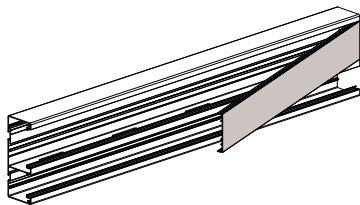
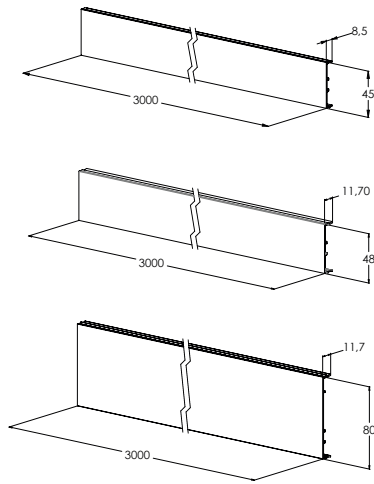


Cable trunking covers INSTAL K guarantee safety and protect cables from damage, dirt and UV radiation as well as finish the installation. Covers are coated with protective film, which is removed after installation.

Compatibility of covers and trunkings:

Covers K45 - cable trunking bases INSTAL 108-45, INSTAL 144-2-45 and INSTAL 170-2-45

Covers K80 - cable trunking bases INSTAL 100, INSTAL 108, INSTAL 130, INSTAL 144, INSTAL 170 series and INSTAL 210-2.



Cable trunking covers lock in place when pressed on the fixture opening.

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1429531	x INSTAL K45 L=3000 M PW	0.71	8 PCE / 24 MTR
1429533	x INSTAL K80 L=3000 M PW	1.19	6 PCE / 18 MTR

M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1429575	INSTAL K80 L=3000 B	1.19	6 PCE / 18 MTR

B Black RAL 9005 polyester paint coating : C1-C2

CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1429649	x INSTAL K45 L=3000 AD	0.68	8 PCE / 24 MTR
1429680	x INSTAL K80 L=3000 AD	1.15	6 PCE / 18 MTR

AD Anodized aluminium : C1-C2

Joint Instal® J

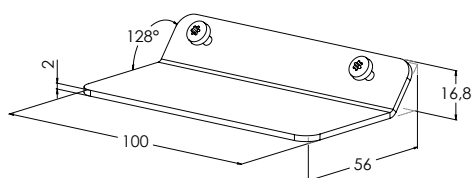


Joints INSTAL J are used to extend INSTAL cable trunkings. Joints have fixing bolts already at place that make installation quick and convenient. Correctly installed joints create a sufficient electrical conductivity which eliminates the need to install a separate grounding wire between cable trunkings. For one connection two joints are needed.

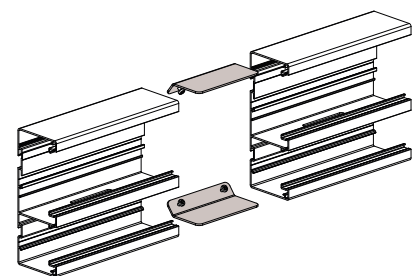


CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1429769	x INSTAL J	0.098	10 PCE / 1 BG

PG Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2



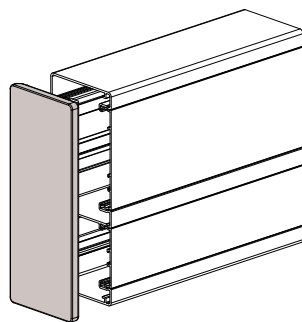
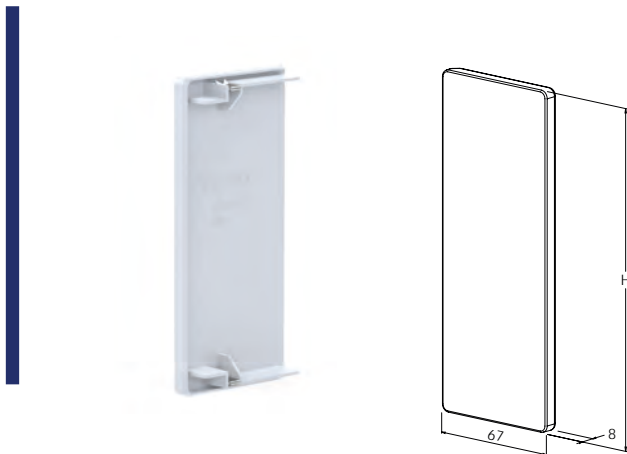
Joints are installed to grooves inside cable trunking base and locked by included screws.



End plate Instal® P



End plates INSTAL P are used to finish the installation and cover ends of cable trunkings. Mounting is quick and convenient - suitable end caps can be pushed into the ends of the cable trunkings by hand.



End plates are installed by pressing them on the cable trunking.

CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1459036	x INSTAL P 100 M	0.041	104	10 PCE / 1 BG
1429721	x INSTAL P 108 M	0.041	112	10 PCE / 1 BG
1459037	x INSTAL P 130 M	0.053	134	10 PCE / 1 BG
1429722	x INSTAL P 144 M	0.053	148	10 PCE / 1 BG
1429723	x INSTAL P 170 M	0.06	174	10 PCE / 1 BG
1429725	x INSTAL P 210 M	0.072	214	10 PCE / 1 BG

White plastic : C1

CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1459038	x INSTAL P 100 AD	0.036	104	10 PCE / 1 BG
1429651	x INSTAL P 108 AD	0.036	112	10 PCE / 1 BG
1459039	x INSTAL P 130 AD	0.047	134	10 PCE / 1 BG
1429652	x INSTAL P 144 AD	0.047	148	10 PCE / 1 BG
1429653	x INSTAL P 170 AD	0.053	174	10 PCE / 1 BG
1429655	x INSTAL P 210 AD	0.064	214	10 PCE / 1 BG

Grey plastic : C1

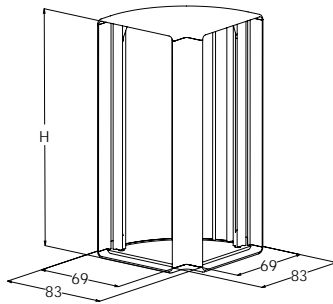
CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1459070	INSTAL P 100 B	0.041	104	10 PCE / 1 BG
1459071	INSTAL P 130 B	0.053	134	10 PCE / 1 BG

Black plastic : C1

Corner piece Instal® KU



Universal corners INSTAL KU are used for making 90° inner and outer corners for INSTAL cable trunkings. The construction of corners also allows for a small adjustment of trunkings in cases when walls of room are not quite right-angled.



CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1459051	INSTAL KU 100 M PW	0.21	103	1 PCE
1429524	x INSTAL KU 108 M PW	0.21	111	1 PCE
1459052	INSTAL KU 130 M PW	0.23	133	1 PCE
1429525	x INSTAL KU 144 M PW	0.23	147	1 PCE
1429526	x INSTAL KU 170 M PW	0.25	173	1 PCE
1429527	x INSTAL KU 210 M PW	0.29	213	1 PCE

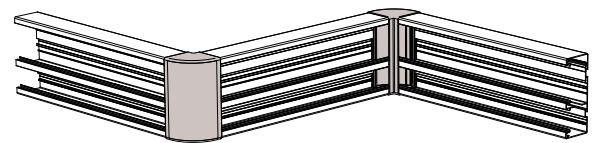
M White RAL 9010 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1459072	INSTAL KU 100 B	0.21	103	1 PCE
1459073	INSTAL KU 130 B	0.23	133	1 PCE

B Black RAL 9005 polyester paint coating : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1459053	INSTAL KU 100 AD	0.2	103	1 PCE
1429611	x INSTAL KU 108 AD	0.2	111	1 PCE
1459054	INSTAL KU 130 AD	0.22	133	1 PCE
1429612	x INSTAL KU 144 AD	0.22	147	1 PCE
1429613	x INSTAL KU 170 AD	0.24	173	1 PCE
1429615	x INSTAL KU 210 AD	0.28	213	1 PCE

AD Anodized aluminium : C1-C2



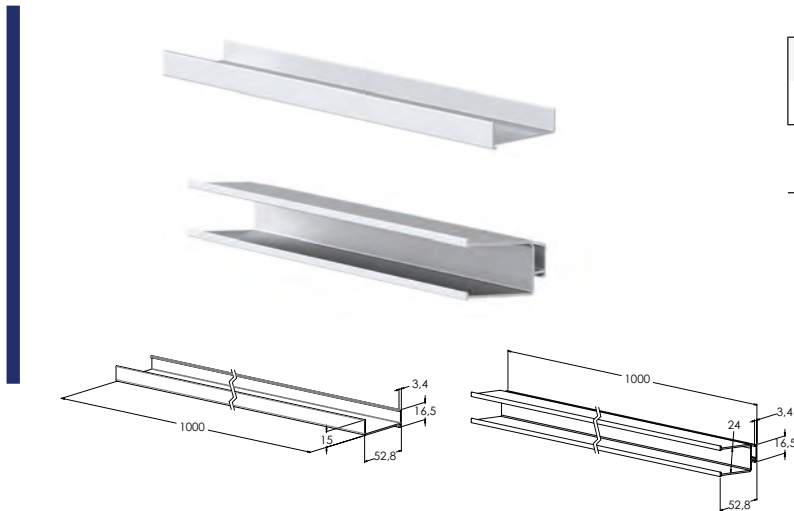
Cable trunking base is pushed inside the corner piece, after which it can be extended with another cable trunking base from the other side of the cornerpiece.

Cable shelf Instal® VS

AL

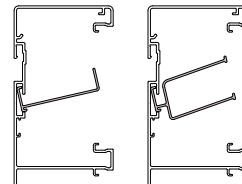


Cable shelves INSTAL VS are used to separate cables inside of cable trunkings. Cable shelves are placed into grooves on the back wall of cable trunkings without using tools. INSTAL VS cable shelves are made of aluminium and the length of shelves is 1 meter.



CODE	PRODUCT	WGT.	PACKAGE
	x = stock product	kg / pc	
1429543	x INSTAL VS L=1000 M PW	0.3	12 PCE / 12 MTR
1429544	x INSTAL VS2 L=1000 M PW	0.51	12 PCE / 12 MTR

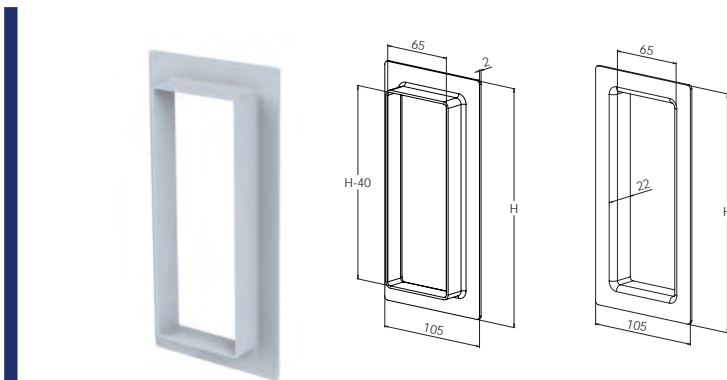
AL Manufactured of extruded aluminium alloy : C1-C2



Cable shelves are installed by locking them to the cable trunking base's groove as shown in the image.

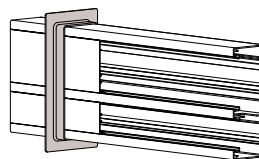
Wall collar Instal® LVK

Wall collars INSTAL LVK are used when cable trunkings can be neatly led through wall between rooms. Collars are selected according to the size of cable trunkings and they cover about 20 mm wide area around trunkings.



CODE	PRODUCT	WGT.	H	PACKAGE
	x = stock product	kg / pc	mm	
1459055	INSTAL LVK 100	0.037	140	10 PCE / 1 BG
1429741	x INSTAL LVK 108	0.038	148	10 PCE / 1 BG
1459056	INSTAL LVK 130	0.042	170	10 PCE / 1 BG
1429742	x INSTAL LVK 144	0.045	184	10 PCE / 1 BG
1429743	x INSTAL LVK 170	0.051	210	10 PCE / 1 BG
1429745	x INSTAL LVK 210	0.059	250	10 PCE / 1 BG

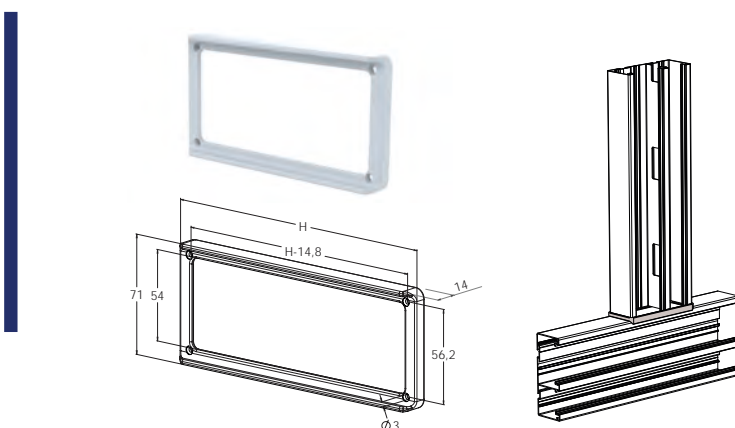
White plastic : C1



Wall collars are used when the cable trunking needs to pass through a wall, for example.

Trunking collar Instal® LK

Trunking collars INSTAL LK are used when cable trunkings have to be installed upright onto another. Collars guarantee better appearance of jointing and avoid scratches. Collars LK can be fixed at the ends of vertically placed trunkings with screws, on horizontal trunkings the fastening of collars are not needed.



CODE	PRODUCT	WGT.	H	PACKAGE
	x = stock product	kg / pc	mm	
1459057	INSTAL LK 100	0.01	80	10 PCE / 1 BG
1429751	x INSTAL LK 108	0.023	114	10 PCE / 1 BG
1459058	INSTAL LK 130	0.011	64	10 PCE / 1 BG
1429752	x INSTAL LK 144	0.028	150	10 PCE / 1 BG
1429753	x INSTAL LK 170	0.032	176	10 PCE / 1 BG
1429755	INSTAL LK 210	0.038	216	10 PCE / 1 BG

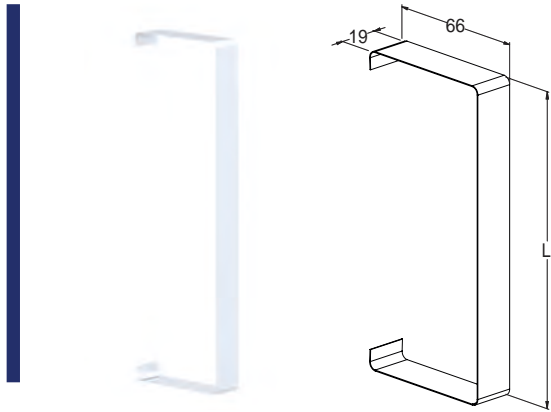
White plastic : C1

Trunking collars are installed in the joints of a horizontal and a vertical cable trunking.

Joint cover Instal® UT



Joint covers INSTAL UT are used to cover INSTAL cable trunkings' junctions. Covers INSTAL UT are easy to install without any tools.



CODE	PRODUCT x = stock product	WGT. kg / pc	MATERIAL	L mm	PACKAGE
1459045	INSTAL UT 100 M	0.014	Steel	104	10 PCE / 1 BG
1429781	INSTAL UT 108 M	0.014	Steel	109	10 PCE / 1 BG
1459046	INSTAL UT 130 M	0.018	Steel	134	10 PCE / 1 BG
1429782	INSTAL UT 144 M	0.018	Steel	145	10 PCE / 1 BG
1429783	INSTAL UT 170 M	0.027	Steel	171	10 PCE / 1 BG
1429785	INSTAL UT 210 M	0.022	Steel	211	10 PCE / 1 BG

M White paint : C1-C2

CODE	PRODUCT x = stock product	WGT. kg / pc	MATERIAL	L mm	PACKAGE
1459047	INSTAL UT 100 AD	0.014	Steel	104	10 PCE / 1 BG
1429681	INSTAL UT 108 AD	0.014	Steel	109	10 PCE / 1 BG
1459048	INSTAL UT 130 AD	0.017	Steel	134	10 PCE / 1 BG
1429682	INSTAL UT 144 AD	0.017	Steel	145	10 PCE / 1 BG
1429683	INSTAL UT 170 AD	0.026	Steel	171	10 PCE / 1 BG
1429685	INSTAL UT 210 AD	0.021	Steel	211	10 PCE / 1 BG

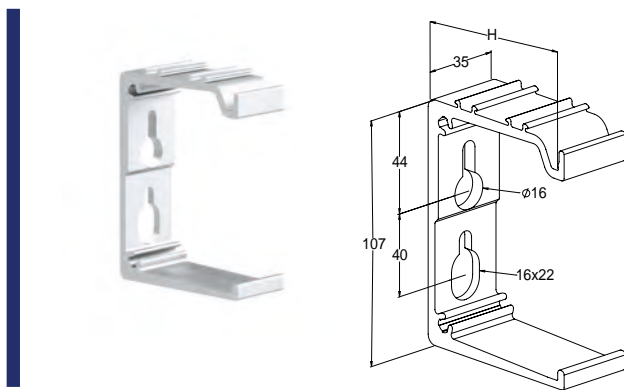
Grey paint : C1-C2

Wall bracket Instal® SK



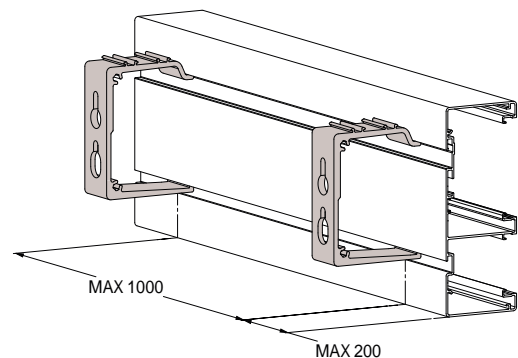
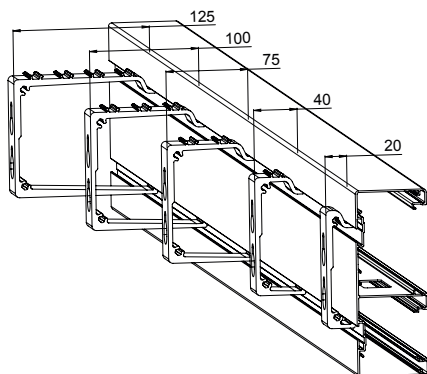
Wall brackets INSTAL SK are used for mounting INSTAL-type cable trunkings (excluding INSTAL 100 and INSTAL 108) to wall. Depending on selected wall bracket type the distance between trunkings and wall could be 20-125 mm. To cover gaps between cable trunkings and wall decorative ribs INSTAL PS are recommended to use.

Cable trunkings can be fastened to wall supports without tools by pressing trunkings to grooves on supports.



CODE	PRODUCT x = stock product	WGT. kg / pc	H mm	PACKAGE
1429761	x INSTAL SK 20	0.071	25	10 PCE / 1 BG
1429762	x INSTAL SK 40	0.09	45	10 PCE / 1 BG
1429763	x INSTAL SK 75	0.12	80	10 PCE / 1 BG
1429764	x INSTAL SK 100	0.15	105	10 PCE / 1 BG
1429765	x INSTAL SK 125	0.19	130	10 PCE / 1 BG

AL Manufactured of extruded aluminium alloy : C1-C2



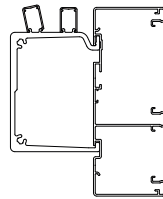
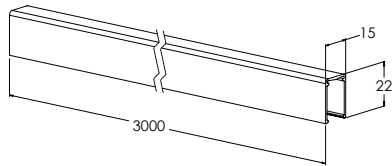
The cable trunking base is suspended on the wall bracket's hooks from the grooves in cable trunking base.

Decorative rib Instal® PS



Decorative ribs INSTAL PS are used to cover gap between cable trunkings and wall. Ribs are installed on top of wall supports and fixed without tools into grooves on wall supports. To keep ends of decorative ribs on the line joints INSTAL PSJ are recommended to use.

INSTAL PS decorative ribs can be used together with wall supports INSTAL SK 40, SK 75, SK 100 and SK 125.



CODE	PRODUCT	WGT.	PACKAGE
	<i>x = stock product</i>	kg / pc	
1429595	<i>x</i> INSTAL PS L=3000 M PW	0.57	10 PCE / 30 MTR
M	White RAL 9010 polyester paint coating : C1-C2		

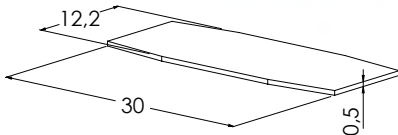
CODE	PRODUCT	WGT.	PACKAGE
	<i>x = stock product</i>	kg / pc	
1429670	INSTAL PS L=3000 AD	0.55	10 PCE / 30 MTR
AD	Anodized aluminium : C1-C2		

Decorative ribs are used to close the gap between the cable trunking and wall without blocking air flow.

Joint Instal® PSJ



Joints INSTAL PSJ are used to extend INSTAL PS decorative ribs. Joints PSJ keep ends of decorative ribs on the line and can be installed without tools.



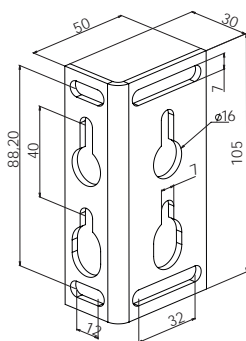
CODE	PRODUCT	WGT.	PACKAGE
	<i>x = stock product</i>	kg / pc	
1429771	<i>x</i> INSTAL PSJ	0.001	10 PCE / 1 BG
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		

Adjusting piece Instal® SL2

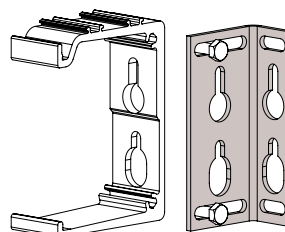


Adjusting pieces INSTAL SL2 are used together with wall brackets SK in cases when wall surfaces are not straight enough. The adjustment range when using INSTAL SP2 is 3-34 mm.

Product set includes bolts for fastening adjusting pieces to wall brackets.



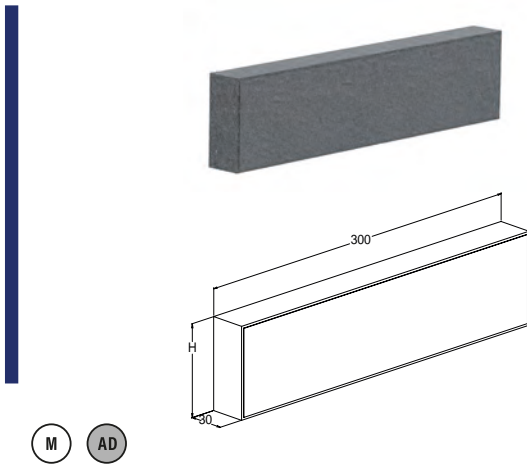
CODE	PRODUCT	WGT.	PACKAGE
	<i>x = stock product</i>	kg / pc	
1429528	<i>x</i> INSTAL SL2	0.14	10 PCE / 1 BG
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		



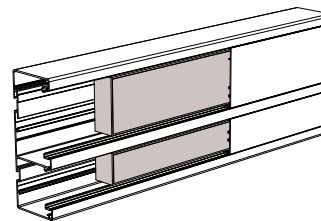
Adjusting piece is installed to the wall bracket as shown in the image. Adjusting range 3-34 mm.

Sound isolation piece Instal® LIS

Sound isolation pieces INSTAL LIS are used inside of cable trunking to avoid noise transfer between rooms. Isolation pieces have sticker at place for pasting these inside of trunkings' covers.



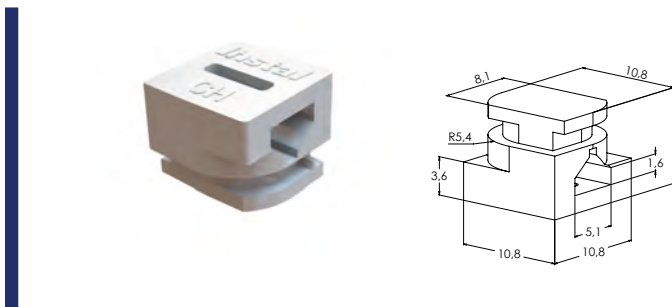
CODE	PRODUCT x = stock product	WGT. kg / pcl	H mm	PACKAGE
1429300	x INSTAL LIS-48	0.33	40	1 PCE
1429301	x INSTAL LIS-80	0.6	72	1 PCE
Grey plastic : C1				



Sound isolation pieces are installed inside the cable trunking under the cover.

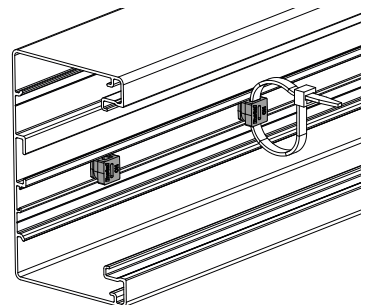
Cable tie clamp Instal® CH

Plastic cable tie clamps INSTAL CH are used for fixing cables inside of INSTAL cable trunkings. Clamps INSTAL CH are installed in groove in back wall of trunkings and fixed by turning 90°. Suitable are max. 5 mm width cable ties that shall be ordered separately.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429451	INSTAL CH	0.001	100 PCE / 1 BG

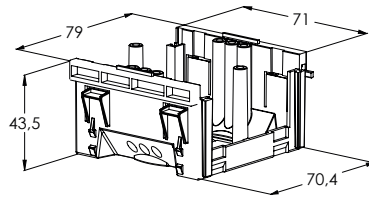
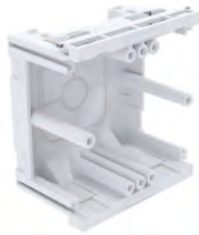
The cable tie clamp is inserted into the interior groove of the cable trunking's base and locked in place by twisting it 90°. Maximum width of cable tie is 5 mm.



Mounting box Basic MB

Mounting boxes MB are used for installing sockets and other fixtures into Instal® cable trunkings. If it is necessary to install several sockets next to each other, the mounting boxes can be easily connected together. For pull protection of cables, BASIC EC end caps are recommended to use at the ends of boxes.

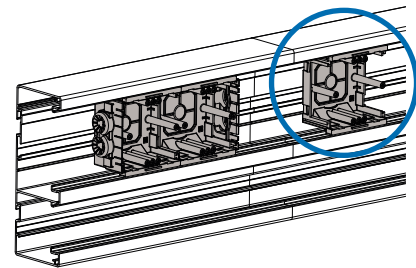
There is ~15-20 mm free space for cables and wires under the installed mounting box.



PLEASE NOTE!
Socket compatibility with Basic MB mounting box must be verified.

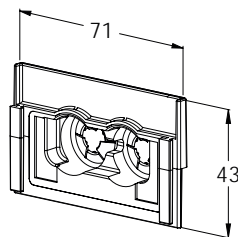
The mounting box is pressed into the 80mm opening of the trunking and snapped in place, allowing the mounting box to slide parallel to the trunking's body. There is a 15-20 mm cable space between the trunking body's bottom and the mounting box.

CODE	PRODUCT	WGT.	PACKAGE
1433240	x BASIC MB <small>x = stock product</small>	0.032 kg / pc	10 PCE / 1 BG
White plastic : C1			

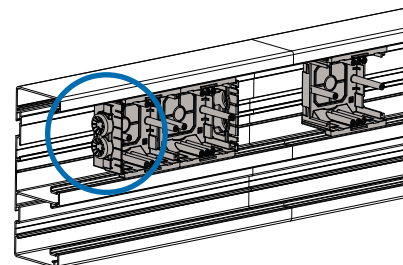


End caps with strain relieves Basic EC

End caps BASIC EC with strain relief are used for routing and fixing cables on Basic MB mounting boxes or at ends of mounting boxes sets. Sales unit of BASIC EC is package that includes 20 pieces of end caps.

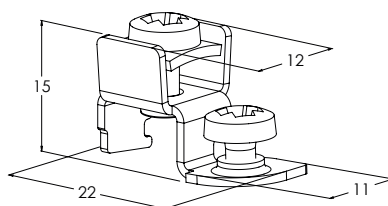


CODE	PRODUCT	WGT.	PACKAGE
1433241	x BASIC EC <small>x = stock product</small>	0.009 kg / pc	20 PCE / 1 BG
White plastic : C1			

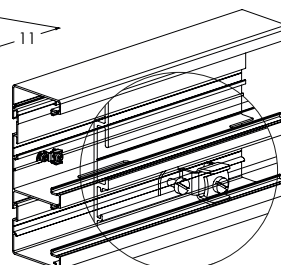


Earthing coupler Instal® ML

Earthing couplers ML are used for earthing of cable trunkings and covers. Earthing couplers have to press into the cover's or trunking's coupler groove, twist into place and lock with a screw. Maximum two 4 mm² copper wires can be connected to one earthing coupler.

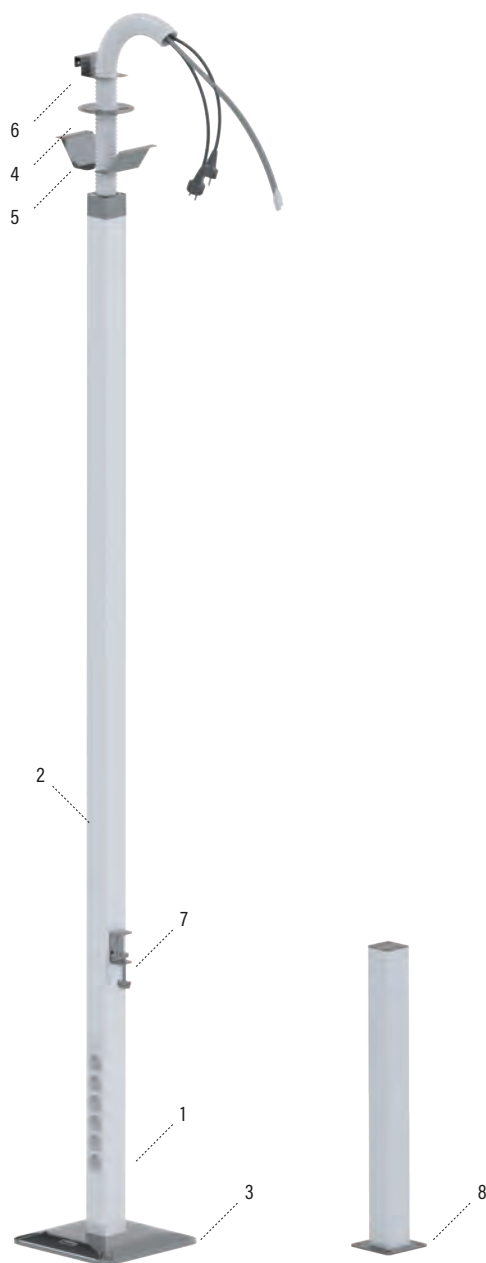


CODE	PRODUCT	WGT.	PACKAGE
1429276	x INSTAL ML <small>x = stock product</small>	0.007 kg / pc	100 PCE / 1 BG
PG	Manufactured of hot-dip galvanized steel in accordance with standard EN 10346 : C1-C2		



The earthing coupler is installed to the groove inside the cable trunking base and fastened with the included screw.

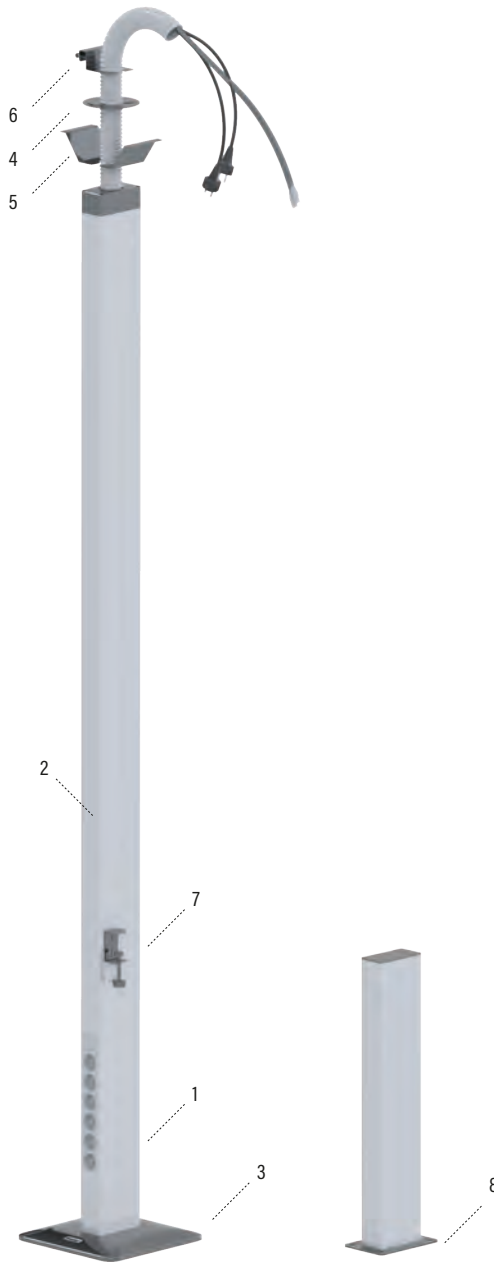
Instal® SP 45-1 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Socket pole	INSTAL SP45-1E	(M) (AD)	5-32
2	Cover	INSTAL K45 PRP	(M) (AD)	5-35
3	Floor base	INSTAL SP45 FS	Grey	5-37
4	Ceiling frame	INSTAL SP45 MB1	(M)	5-36
5	Ceiling bracket	INSTAL SP45 MB2	(M)	5-36
6	Flexible conduit bracket	INSTAL SP45 MB3	(M)	5-36
7	Table bracket	INSTAL SP45 TB	(M)	5-36
8	Socket pole	INSTAL SP45-1FPE	(M) (AD)	5-32

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (RST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

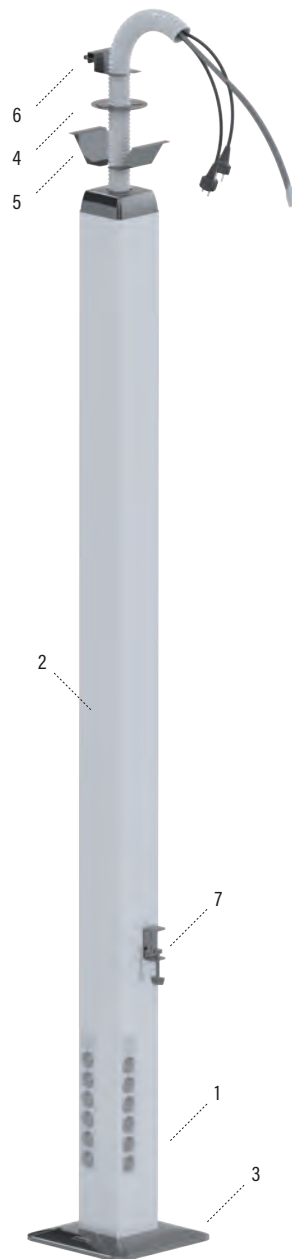
Instal® SP 45-2 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Socket pole	INSTAL SP45-2E	(M) (AD)	5-33
2	Cover	INSTAL K45 PRP	(M) (AD)	5-35
3	Floor base	INSTAL SP45 FS	Grey	5-37
4	Ceiling frame	INSTAL SP45 MB1	(M)	5-36
5	Ceiling bracket	INSTAL SP45 MB2	(M)	5-36
6	Flexible conduit bracket	INSTAL SP45 MB3	(M)	5-36
7	Table bracket	INSTAL SP45 TB	(M)	5-36
8	Socket pole	INSTAL SP45-2FPE	(M) (AD)	5-33

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

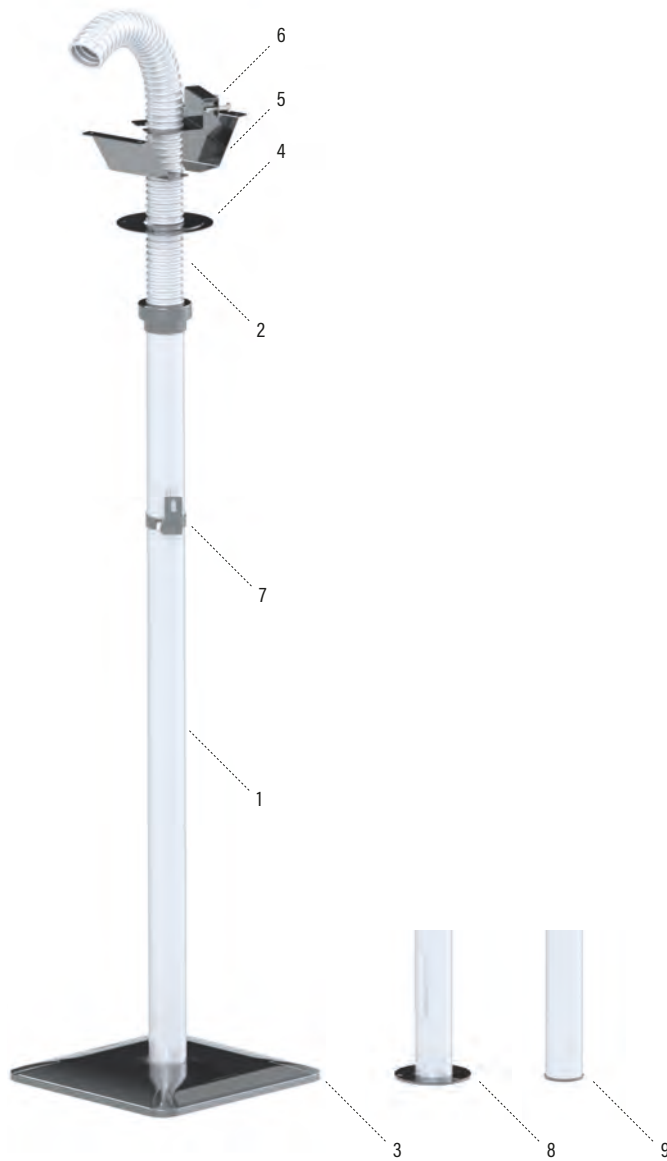
Instal® SP 45-4 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Socket pole	INSTAL SP45-4E	(M) (AD)	5-34
2	Cover	INSTAL K45 PRP	(M) (AD)	5-35
3	Floor base	INSTAL SP45 FS	Grey	5-37
4	Ceiling frame	INSTAL SP45 MB1	(M)	5-36
5	Ceiling bracket	INSTAL SP45 MB2	(M)	5-36
6	Flexible conduit bracket	INSTAL SP45 MB3	(M)	5-36
7	Table bracket	INSTAL SP45 TB	(M)	5-36

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanized steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanized steel. Atmospheric-corrosivity category C1-C2
- (HDE) Hot-dip galvanized after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

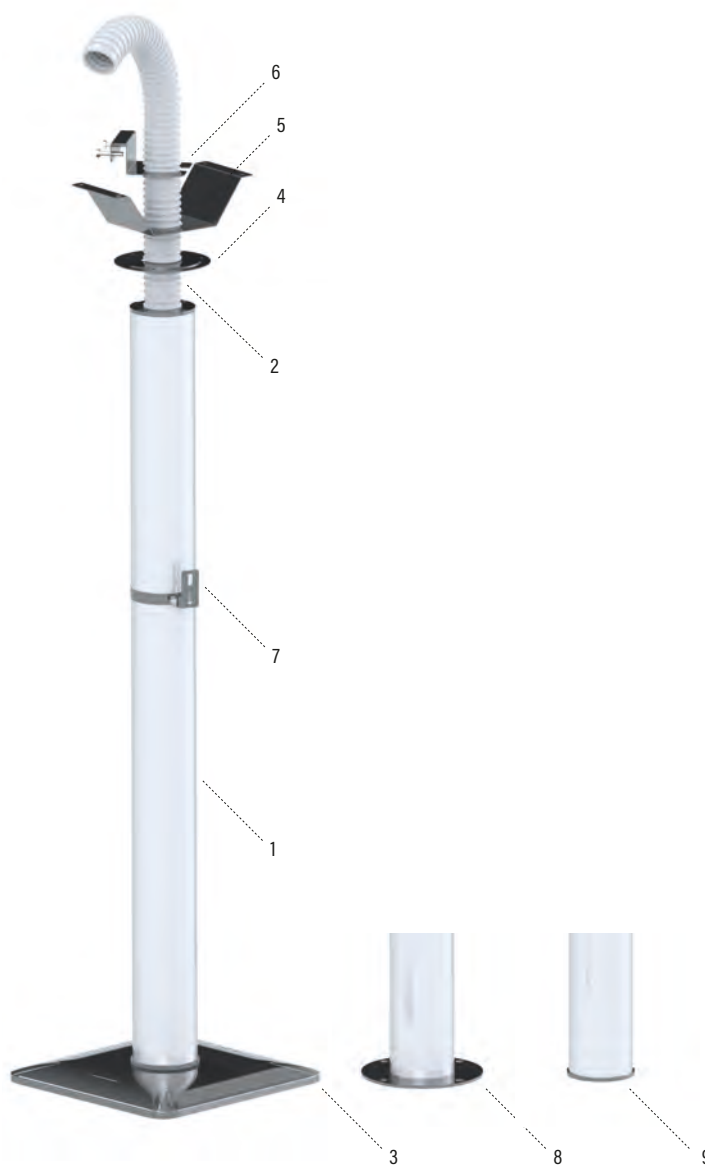
Instal® SP P50 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Feeder pole	INSTAL SP P50	(M) (AD)	5-34
2	Flexible conduit	INSTAL SP WP P50	White, Grey	5-35
3	Floor base	INSTAL SP45 FS	Grey	5-37
4	Ceiling frame	INSTAL SP45 MB1	(M)	5-36
5	Ceiling bracket	INSTAL SP45 MB2	(M)	5-36
6	Flexible conduit bracket	INSTAL SP45 MB3	(M)	5-36
7	Mounting Clamp	INSTAL SP P50 MC M	(M)	5-37
8	Floor Clamp	INSTAL SP P50 FC M	(M)	5-37
9	End piece	INSTAL SP P50 LE	Grey paint coat	5-37

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (RST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

Instal® SP P85 system



NO.	TYPE	ITEM	SURFACE TREATMENT	PAGE
1	Feeder pole	INSTAL SP P85	(M) (AD)	5-35
2	Flexible conduit	INSTAL SP WP P85	White, Grey	5-35
3	Floor base	INSTAL SP45 FS	Grey	5-37
4	Ceiling frame	INSTAL SP45 MB1	(M)	5-36
5	Ceiling bracket	INSTAL SP45 MB2	(M)	5-36
6	Flexible conduit bracket	INSTAL SP45 MB3	(M)	5-36
7	Mounting Clamp	INSTAL SP P85 MC M	(M)	5-37
8	Floor Clamp	INSTAL SP P85 FC M	(M)	5-37
9	End piece	INSTAL SP P85 LE	Grey paint coat	5-37

- (M) White paint coat. Atmospheric-corrosivity category C1-C2
- (B) Black paint coat. Atmospheric-corrosivity category C1-C2
- (G) Grey paint coat. Atmospheric-corrosivity category C1-C2
- (AD) Anodized aluminum. Atmospheric-corrosivity category C1-C2
- (AL) Aluminum. Atmospheric-corrosivity category C1-C2
- (EG) Electrogalvanised steel. Atmospheric-corrosivity category C1-C2
- (PG) Pre-galvanised steel. Atmospheric-corrosivity category C1-C2
- (HDG) Hot-dip galvanised after manufacturing. Atmospheric-corrosivity category C1-C4
- (XPG) XPG coated. Atmospheric-corrosivity category C1-C4
- (HST) Acid-proof steel. Atmospheric-corrosivity category C1-CX

Socket pole Instal® SP 45-1



One-sided socket poles INSTAL SP45-1 are used to bring electricity and data to workstations in case of overhead power distribution, for instance in open-plan offices.

Socket poles INSTAL SP45-1 are equipped with two 2-piece power outlet sockets, one 2-piece power outlet socket with marking DATA, two RJ45 sockets, power and data cables and flexible conduit. The height of socket poles INSTAL SP45-1 is 2,35 meters, length of cables from top of socket poles are 3 meters and length of flexible conduit is 1,5 meter.

NB! Floor base Instal FS shall be ordered separately.



One-sided socket poles with sockets, cables and flexible conduit

- 2x 2-piece power outlet socket.
- 1x 2 piece power outlet socket with marking DATA
- 2x RJ45 socket
- Length of connecting cables 3 meters.
- Product includes 1.5 m Flexible conduit to protect cables.

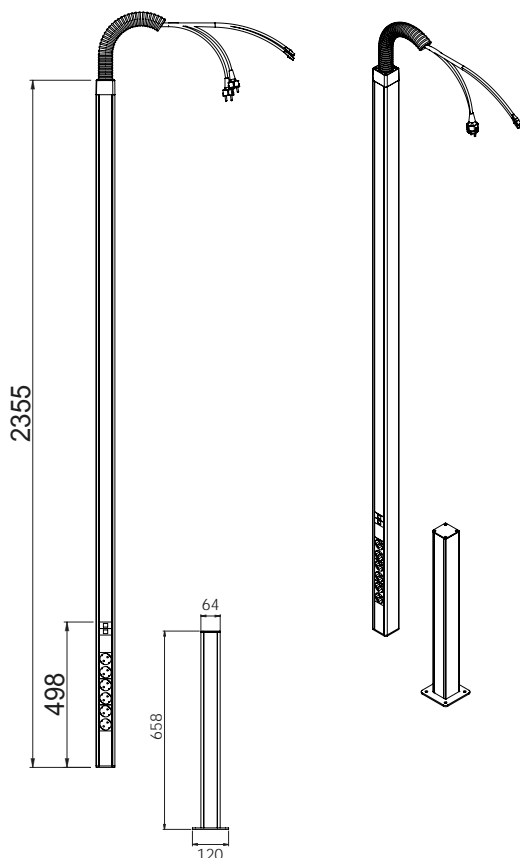
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431901	x INSTAL SP45-1 L=2300 M	7.3	1 PCE
M	White paint : C1-C2		

One-sided socket poles INSTAL SP45-1E

Socket poles can be made according customer specification.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431951	INSTAL SP45-1E L=2300 M	3.56	1 PCE
M	White paint : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431961	INSTAL SP45-1E L=2300 AD	3.52	1 PCE
AD	Anodized aluminium : C1-C2		



One-sided floor-type socket poles, without sockets and cables

Socket poles can be made according customer specification.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431955	INSTAL SP45-1FPE L=650 M	1.45	1 PCE
M	White paint : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431965	INSTAL SP45-1FPE L=650 AD	1.44	1 PCE
AD	Anodized aluminium : C1-C2		

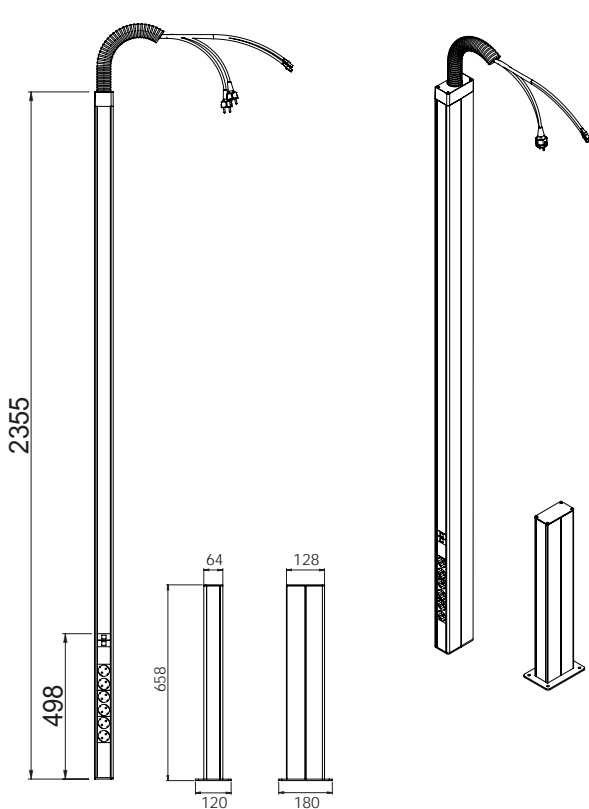
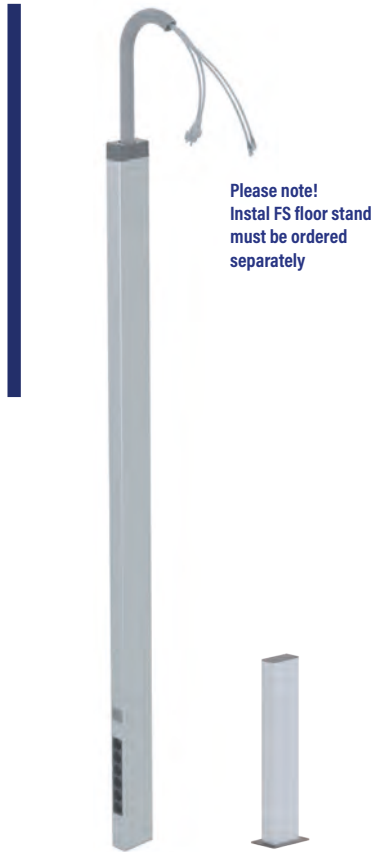
Socket pole Instal® SP 45-2



Two-sided socket poles INSTAL SP45-2 are used to bring electricity and data to workstations in case of overhead power distribution, for instance in open-plan offices.

Socket poles INSTAL SP45-2 are equipped from both sides with two 2-piece power outlet sockets, one 2-piece power outlet socket with marking DATA, two RJ45 sockets, power and data cables and flexible conduit. The height of socket poles INSTAL SP45-2 is 2,35 meters, length of cables from top of socket poles are 3 meters and length of flexible conduit is 1,5 meter.

NB! Floor base Instal FS shall be ordered separately.



Two-sided socket poles with sockets, cables and flexible conduit

Sockets on both side of socket pole:
 2x 2-piece power outlet socket.
 1x 2 piece power outlet socket with marking DATA
 2x RJ45 socket,
 Length of connecting cables 3 meters.
 Includes 1.5 m Flexible conduit to protect cables.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431902	x INSTAL SP45-2 L=2300 M	11.36	1 PCE
M	White paint : C1-C2		

Two-sided socket poles, empty

Socket poles can be made according customer specification.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431952	x INSTAL SP45-2 L=2300 M	6.54	1 PCE
M	White paint : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431962	INSTAL SP45-2E L=2300 AD	6.51	1 PCE
AD	White paint : C1-C2		

Two-sided floor-type socket poles, empty

Socket poles can be made according customer specification.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431956	x INSTAL SP45-2FPE L=650 M	2.71	1 PCE
M	White paint : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431966	INSTAL SP45-2FPE L=650 AD	2.7	1 PCE
AD	Anodized aluminium : C1-C2		

Socket pole Instal® SP 45-4



Four-sided socket poles INSTAL SP45-4E are used to bring electricity and data to workstations in case of overhead power distribution, for instance in open-plan offices.

Socket poles INSTAL SP45-4E are "empty" that leaves freedom of choice to install 45 mm sockets and fixtures of different manufacturers. The height of socket poles INSTAL SP45-4E is 2,35 meters.

Product set includes socket pole with covers and 1,5 meter long flexible conduit. Floor base Instal FS shall be ordered separately.



Four-sided socket poles, empty

Socket poles can be made according customer specification. Product includes 1.5 m Flexible conduit to protect cables.

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431954	INSTAL SP45-4E L=2300 M	12.86	1 PCE
M	White paint : C1-C2		

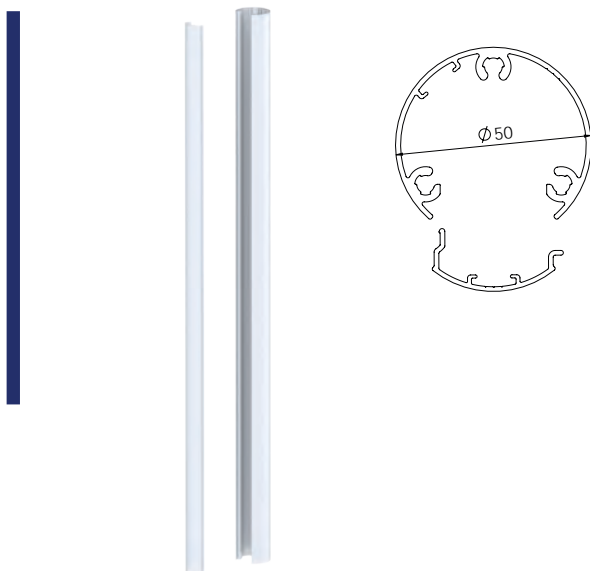
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1431964	INSTAL SP45-4E L=2300 AD	12.77	1 PCE
AD	Anodized aluminium : C1-C2		

Feeder pole Instal® SP P50



Aluminium feeder poles INSTAL SP P50 are used only for cables, for instance to protect and hide cables coming from ceiling to workplaces in offices. The outer diameter of feeder poles is 50 mm. For fixing feeder poles to floor INSTAL SP P50 FC floor clamps can be used, for vertical fixing mounting clamps INSTAL SP P50 MC are suitable.

Product set includes base and a cover.



CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429578	x INSTAL SP P50 L=3000 M	2.74	1 PCE
M	White paint C1-C2		

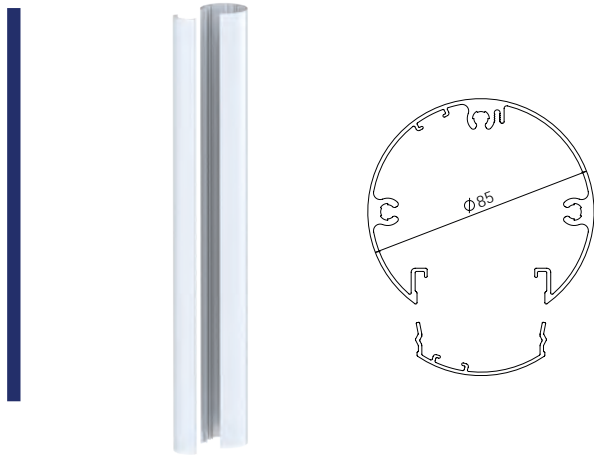
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429579	INSTAL SP P50 L=3000 AD	2.66	1 PCE
AD	Anodized aluminium : C1-C2		

Feeder pole Instal® SP P85



Aluminium feeder poles INSTAL SP P85 are used only for cables, for instance to protect and hide cables coming from ceiling to workplaces in offices. The outer diameter of feeder poles is 85 mm. For fixing feeder poles to floor INSTAL SP P85 FC floor clamps can be used, for vertical fixing mounting clamps INSTAL SP P85 MC are suitable.

Product set includes base and a cover.



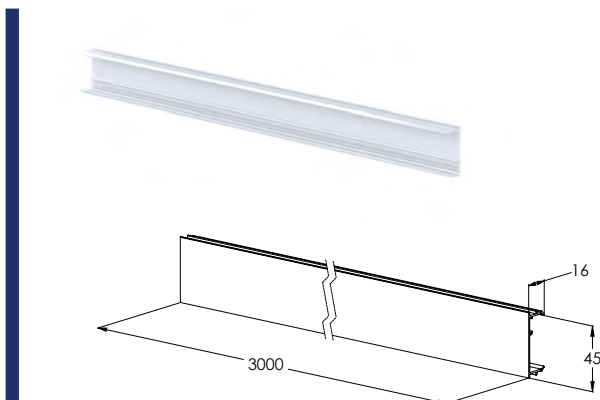
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429580	INSTAL SP P85 L=3000 M	5.82	1 PCE
M	White paint : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429581	INSTAL SP P85 L=3000 AD	5.65	1 PCE
AD	Anodized aluminium : C1-C2		

Cover Instal® K45 PRP



Socket pole covers INSTAL K45 PRP guarantee safety and protect cables from damage, dirt and UV radiation as well as finish the installation. INSTAL SP45 socket poles product sets include covers already, but if needed these can be ordered separately as well. Covers INSTAL K45 PRP are coated with protective film, which is removed after installation.



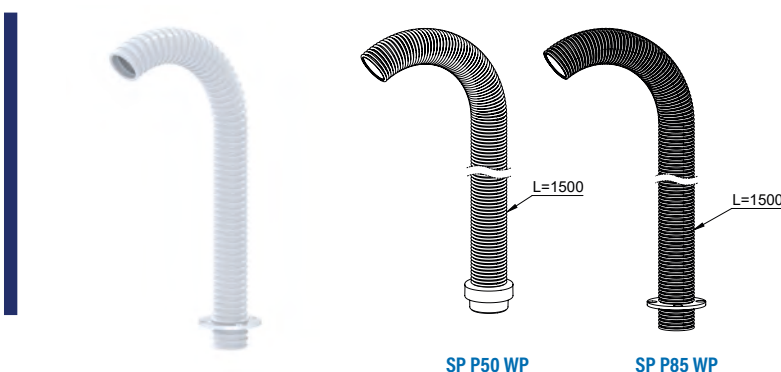
CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429598	INSTAL K45 PRP L=3000 M	0.78	1 PCE / 3 MTR
M	White paint : C1-C2		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429599	INSTAL K45 PRP L=3000 AD	0.75	1 PCE / 3 MTR
AD	Anodized aluminium : C1-C2		

Flexible conduit Instal® WP

Flexible conduits INSTAL SP WP are used to protect cables outgoing from feeder poles INSTAL SP P. Flexible conduits are made of plastic and these length is 1,5 meters.

Product set includes flexible conduit and plate for fixing the conduit to feeder pole.

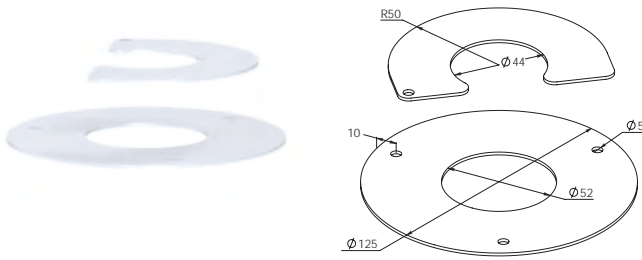


CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429573	x INSTAL SP WP P50 L=1500 M	0.53	1 PCE
1429571	INSTAL SP WP P85 L=1500 M	0.6	1 PCE
	White plastic : C1		

CODE	PRODUCT x = stock product	WGT. kg / pc	PACKAGE
1429574	INSTAL SP WP P50 L=1500 AD	0.53	1 PCE
1429572	INSTAL SP WP P85 L=1500 AD	0.6	1 PCE
	Grey plastic : C1		

Ceiling frame Instal® MB1

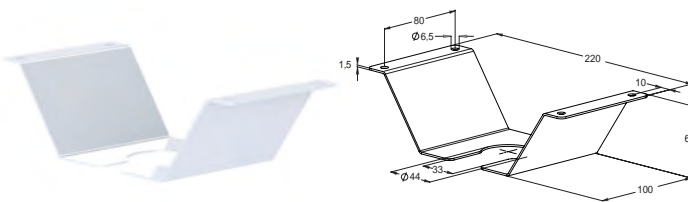
Ceiling frames INSTAL SP45 MB1 are used for fastening flexible conduits of socket poles to suspended ceiling. Diameter of frame is 125 mm and there are three $\varnothing 5$ mm holes for fixing frames to ceiling. Product set includes disc and semi-arc piece. During installation the disc is fastened from below and the flexible conduit is fixed by using the semi-arc part from the other side of surface.



CODE	PRODUCT	WGT.	MATERIAL	PACKAGE
1431921	INSTAL SP45 MB1 x = stock product	0.17 kg / pc	Steel	1 PCE
M	White paint : C1-C2			

Ceiling bracket Instal® MB2

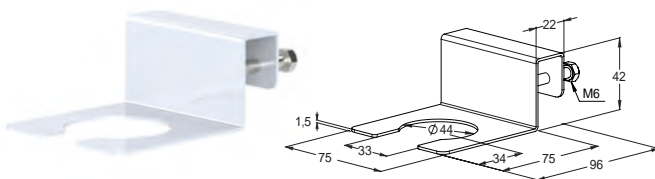
Ceiling brackets INSTAL SP45 MB2 are used for fastening flexible conduits of socket poles to ceiling. Flexible conduits are fixed into $\varnothing 44$ mm hole in brackets by pressing conduits to brackets from side.



CODE	PRODUCT	WGT.	MATERIAL	PACKAGE
1431922	INSTAL SP45 MB2 x = stock product	0.3 kg / pc	Steel	1 PCE
M	White paint : C1-C2			

Flexible conduit bracket Instal® MB3

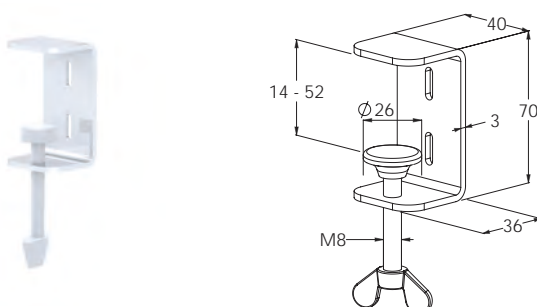
Flexible conduit brackets INSTAL SP45 MB3 are used for fastening flexible conduits to cable trays, lighting support rails and cable ladders. Flexible conduits are fixed into $\varnothing 44$ mm hole in brackets by pressing conduits to brackets from side. Brackets MB3 have two M6 bolts for fastening to trays already at place.



CODE	PRODUCT	WGT.	MATERIAL	PACKAGE
1431923	INSTAL SP45 MB3 x = stock product	0.13 kg / pc	Steel	1 PCE
M	White paint : C1-C2			

Table bracket Instal® TB

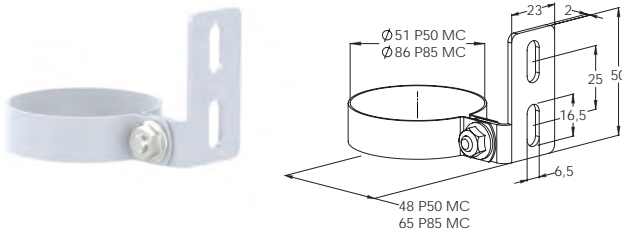
Brackets INSTAL SP45 TB are used for fastening socket- and feeder poles to tables and other plates. The thickness of surfaces could be from 14 to 52 mm. For fixing brackets to poles two M3 bolts and nuts, for instance, are recommended to use.



CODE	PRODUCT	WGT.	MATERIAL	PACKAGE
1431924	INSTAL SP45 TB x = stock product	0.17 kg / pc	Steel	1 PCE
M	White paint : C1-C2			

Mounting Clamp Instal® MC

Mounting clamps INSTAL SP MC are used for fastening INSTAL SP P feeder poles to walls or other surfaces. Product set includes collar and fastening plate.



CODE	PRODUCT x = stock product	WGT. kg / pc	MATERIAL	PACKAGE
1429518	INSTAL SP P50 MC M	0.05	Steel	1 PCE
1429506	INSTAL SP P85 MC M	0.07	Steel	1 PCE
M	White paint : C1-C2			

Floor base Instal® FS

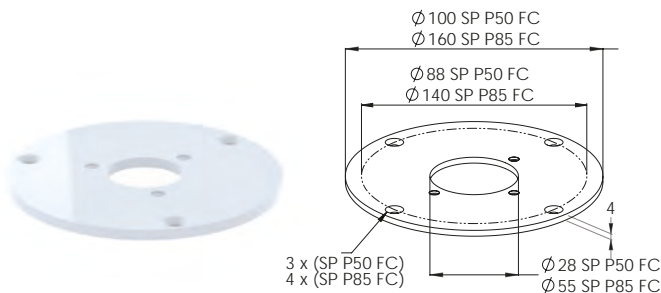
Floor bases INSTAL SP45 FS are used with INSTAL socket- and feeder poles. Floor bases weigh is 7.55 kg and these are equipped with anti-slip stickers that keep the socket poles better at place. The product set includes a steel plate, grey plastic cover and fixing screws.



CODE	PRODUCT x = stock product	WGT. kg / pc	MATERIAL	PACKAGE
1431910	x INSTAL SP45 FS	7.55	Steel	1 PCE
	Grey plastic : C1-C2			

Floor Clamp Instal® FC

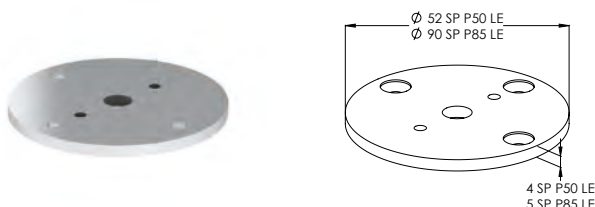
Floor clamps INSTAL SP FC are used for mounting INSTAL SP P feeder poles to floor. In the middle of clamps are holes for passing cables, fixing clamps to feeder poles and mounting assembled units to floor.



CODE	PRODUCT x = stock product	WGT. kg / pc	MATERIAL	PACKAGE
1429504	INSTAL SP P50 FC M	0.3	Steel	1 PCE
1429505	INSTAL SP P85 FC M	0.6	Steel	1 PCE
M	White paint : C1-C2			

End piece Instal® LE

Lower end pieces INSTAL SP LE are used at the end of INSTAL SP P feeder poles when feeder poles have to be fastened to floor bases INSTAL SP45 FS.



CODE	PRODUCT x = stock product	WGT. kg / pc	MATERIAL	PACKAGE
1429557	x INSTAL SP P50 LE	0.06	Steel	1 PCE
1429559	INSTAL SP P85 LE	0.24	Steel	1 PCE
M	Grey paint : C1-C2			



Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1342000	CCA-12 PG	1-78	1429105	VKZ-100 PG	1-47, 3-18	1429544	INSTAL VS2 L=1000 M PW	5-22
1342001	CCA-14 PG	1-78	1429106	VKZ-200 PG	1-47, 3-18	1429554	INSTAL 108-45 L=3000 M PW	5-15
1342002	CCA-18 PG	1-78	1429107	VKZ-300 PG	1-47, 3-18	1429556	INSTAL 144-2-45 L=3000 M PW	5-16
1342003	CCA-22 PG	1-78	1429108	VKZ-400 PG	1-47, 3-18	1429557	INSTAL SP P50 LE	5-37
1342004	CCA-26 PG	1-78	1429109	VKZ-100 HDG	1-47, 3-18	1429559	INSTAL SP P85 LE	5-37
1342005	CCA-30 PG	1-78	1429110	VKZ-200 HDG	1-47, 3-18	1429571	INSTAL SP WP P85 L=1500 M	5-35
1342006	CCA-34 PG	1-78	1429111	VKZ-300 HDG	1-47, 3-18	1429572	INSTAL SP WP P85 L=1500 AD	5-35
1342007	CCA-40 PG	1-78	1429112	VKZ-400 HDG	3-18	1429573	INSTAL SP WP P50 L=1500 M	5-35
1342008	CCA-46 PG	1-78	1429113	VKZ-100 HST	1-47, 3-18	1429574	INSTAL SP WP P50 L=1500 AD	5-35
1342009	CCA-52 PG	1-78	1429114	VKZ-200 HST	1-47, 3-18	1429575	INSTAL K80 L=3000 B	5-19
1342010	CCA-60 PG	1-78	1429115	VKZ-300 HST	1-47, 3-18	1429578	INSTAL SP P50 L=3000 M	5-34
1342011	CCA-82 PG	1-78	1429116	VKZ-400 HST	1-47, 3-18	1429579	INSTAL SP P50 L=3000 AD	5-34
1342020	CCB-12 PG	1-79, 3-24	1429117	VKZ-N-100 PG	1-48, 3-18	1429580	INSTAL SP P85 L=3000 M	5-35
1342021	CCB-14 PG	1-79, 3-24	1429118	VKZ-N-200 PG	1-48, 3-18	1429581	INSTAL SP P85 L=3000 AD	5-35
1342022	CCB-18 PG	1-79, 3-24	1429119	VKZ-N-300 PG	1-48, 3-18	1429582	INSTAL 170-1 L=3000 M PW	5-17
1342023	CCB-22 PG	1-79, 3-24	1429121	VKZ-N-400 PG	1-48, 3-18	1429584	INSTAL 170-2-45 L=3000 M PW	5-17
1342024	CCB-26 PG	1-79, 3-24	1429122	VKZ-N-100 HDG	1-48, 3-18	1429593	INSTAL 210-2 L=3000 M PW	5-18
1342025	CCB-30 PG	1-79, 3-24	1429123	VKZ-N-200 HDG	1-48, 3-18	1429594	INSTAL FT 40 L=2700 M PW	5-18
1342026	CCB-34 PG	1-79, 3-24	1429124	VKZ-N-300 HDG	1-48, 3-18	1429595	INSTAL PS L=3000 M PW	5-24
1342027	CCB-40 PG	1-79, 3-24	1429125	VKZ-N-400 HDG	1-48, 3-18	1429598	INSTAL K45 PRP L=3000 M	5-35
1342028	CCB-46 PG	1-79, 3-24	1429126	VKZ-N-100 HST	1-48, 3-18	1429599	INSTAL K45 PRP L=3000 AD	5-35
1342029	CCB-52 PG	1-79, 3-24	1429127	VKZ-N-200 HST	1-48, 3-18	1429603	INSTAL 170-1 L=3000 AD	5-17
1342030	CCB-60 PG	1-79, 3-24	1429128	VKZ-N-300 HST	1-48, 3-18	1429605	INSTAL 210-2 L=3000 AD	5-18
1342075	MR-30 L=2500 XPG	1-72	1429129	VKZ-N-400 HST	1-48, 3-18	1429606	INSTAL 170-2-45 L=3000 AD	5-17
1342076	HST CCA-12	1-78	1429150	MEK J-70 HDG	4-17	1429611	INSTAL KU 108 AD	5-21
1342077	HST CCA-14	1-78	1429151	MEK KU-70 HDG	4-11	1429612	INSTAL KU 144 AD	5-21
1342078	HST CCA-18	1-78	1429152	MEK T HDG	4-13	1429613	INSTAL KU 170 AD	5-21
1342079	HST CCA-22	1-78	1429154	MEK PK HDG	4-14	1429615	INSTAL KU 210 AD	5-21
1342080	HST CCA-26	1-78	1429155	MEK NL HDG	4-18	1429649	INSTAL K45 L=3000 AD	5-19
1342081	HST CCA-30	1-78	1429170	ALUMEK 50 L=6000 M	4-24	1429651	INSTAL P 108 AD	5-20
1342082	HST CCA-34	1-78	1429171	ALUMEK 50 L=6000	4-24	1429652	INSTAL P 144 AD	5-20
1342083	HST CCA-40	1-78	1429174	ALUMEK J	4-24	1429653	INSTAL P 170 AD	5-20
1342084	HST CCA-46	1-78	1429175	ALUMEK RK	4-25	1429655	INSTAL P 210 AD	5-20
1342085	HST CCA-52	1-78	1429276	INSTAL ML	5-26	1429670	INSTAL PS L=3000 AD	5-24
1342086	HST CCA-60	1-78	1429300	INSTAL LIS-48	5-25	1429680	INSTAL K80 L=3000 AD	5-19
1342087	HST CCA-82	1-78	1429301	INSTAL LIS-80	5-25	1429681	INSTAL UT 108 AD	5-23
1342088	AL M6 EG	1-104, 2-37, 3-28, 4-28	1429451	INSTAL CH	5-25	1429682	INSTAL UT 144 AD	5-23
1342089	AL M6 HDG	1-104, 2-37, 3-28, 4-28	1429460	ALUMEK KA-45 L=3000 AD	4-25	1429683	INSTAL UT 170 AD	5-23
1342090	HST AL M6	1-104, 2-37, 3-28, 4-28	1429461	ALUMEK KA-45 L=3000 M	4-25	1429685	INSTAL UT 210 AD	5-23
1342091	AL M8 EG	1-104, 2-37, 3-28, 4-28	1429504	INSTAL SP P50 FC M	5-37	1429721	INSTAL P 108 M	5-20
1342094	AL M10 EG	1-104, 2-37, 3-28, 4-28	1429505	INSTAL SP P85 FC M	5-37	1429722	INSTAL P 144 M	5-20
1342095	AL M10 HDG	1-104, 2-37, 3-28, 4-28	1429506	INSTAL SP P85 MC M	5-37	1429723	INSTAL P 170 M	5-20
1342096	HST AL M10	1-104, 2-37, 3-28, 4-28	1429514	INSTAL 108-45 L=3000 AD	5-15	1429725	INSTAL P 210 M	5-20
1342097	AL M16 EG	1-104, 2-37, 3-28, 4-28	1429516	INSTAL 144-2-45 L=3000 AD	5-16	1429741	INSTAL LVK 108	5-22
1342098	AL M16 HDG	1-104, 2-37, 3-28, 4-28	1429518	INSTAL SP P50 MC M	5-37	1429742	INSTAL LVK 144	5-22
1342099	HST AL M16	1-104, 2-37, 3-28, 4-28	1429524	INSTAL KU 108 M PW	5-21	1429743	INSTAL LVK 170	5-22
			1429525	INSTAL KU 144 M PW	5-21	1429745	INSTAL LVK 210	5-22
			1429526	INSTAL KU 170 M PW	5-21	1429751	INSTAL LK 108	5-22
			1429527	INSTAL KU 210 M PW	5-21	1429752	INSTAL LK 144	5-22
			1429528	INSTAL SL2	5-24	1429753	INSTAL LK 170	5-22
			1429531	INSTAL K45 L=3000 M PW	5-19	1429755	INSTAL LK 210	5-22
			1429533	INSTAL K80 L=3000 M PW	5-19	1429761	INSTAL SK 20	5-23
			1429543	INSTAL VS L=1000 M PW	5-22	1429762	INSTAL SK 40	5-23

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1429763	INSTAL SK 75	5-23	1430122	HST KSTE-200 R=300	1-32	1430291	HST SSU	1-36
1429764	INSTAL SK 100	5-23	1430123	HST KSTE-300 R=300	1-32	1430293	HST JK	1-60
1429765	INSTAL SK 125	5-23	1430124	HST KSTE-400 R=300	1-32	1430294	HST NL	1-42
1429769	INSTAL J	5-19	1430125	HST KSTE-500 R=300	1-32	1430300	HST KK	1-53
1429771	INSTAL PSJ	5-24	1430126	HST KSTE-600 R=300	1-32	1430302	HST KKF	1-55
1429781	INSTAL UT 108 M	5-23	1430131	HST KSXE-150 R=300	1-33	1430303	HST VK2	1-52
1429782	INSTAL UT 144 M	5-23	1430132	HST KSXE-200 R=300	1-33	1430304	HST VK3	1-52
1429783	INSTAL UT 170 M	5-23	1430133	HST KSXE-300 R=300	1-33	1430305	HST RTF-10	1-72,4-22
1429785	INSTAL UT 210 M	5-23	1430134	HST KSXE-400 R=300	1-33	1430306	HST RTF-16	1-73
1430001	HST KS80-150 L=6000	1-24	1430135	HST KSXE-500 R=300	1-33	1430310	HST VF	1-41
1430002	HST KS80-200 L=6000	1-24	1430136	HST KSXE-600 R=300	1-33	1430311	HST VFF	1-43
1430003	HST KS80-300 L=6000	1-24	1430141	HST KSVE-150 R=300	1-34	1430312	HST KSF-VT	1-55
1430004	HST KS80-400 L=6000	1-24	1430142	HST KSVE-200 R=300	1-34	1430313	HST ÄF	1-40
1430005	HST KS80-500 L=6000	1-24	1430143	HST KSVE-300 R=300	1-34	1430314	HST DPA	1-80
1430006	HST KS80-600 L=6000	1-24	1430144	HST KSVE-400 R=300	1-34	1430315	HST DPB	1-82
1430010	HST KS80-1000 L=6000	1-24	1430145	HST KSVE-500 R=300	1-34	1430316	HST ASR-TF	1-62
1430012	HST KS20-200 L=6000	1-21	1430146	HST KSVE-600 R=300	1-34	1430317	HST KSF-NL	1-43
1430013	HST KS20-300 L=6000	1-21	1430151	HST KSVIE-150 R=300	1-35	1430327	HST KAP	1-84
1430014	HST KS20-400 L=6000	1-21	1430152	HST KSVIE-200 R=300	1-35	1430361	HST SK-150 L=1500	1-86
1430015	HST KS20-500 L=6000	1-21	1430153	HST KSVIE-300 R=300	1-35	1430362	HST SK-200 L=1500	1-86
1430016	HST KS20-600 L=6000	1-21	1430154	HST KSVIE-400 R=300	1-35	1430363	HST SK-300 L=1500	1-86
1430021	HST KSF80-150 L=6000	1-27	1430155	HST KSVIE-500 R=300	1-35	1430364	HST SK-400 L=1500	1-86
1430022	HST KSF80-200 L=6000	1-27	1430156	HST KSVIE-600 R=300	1-35	1430365	HST SK-500 L=1500	1-86
1430023	HST KSF80-300 L=6000	1-27	1430172	HST VKF-200 4KN	1-46	1430366	HST SK-600 L=1500	1-86
1430024	HST KSF80-400 L=6000	1-27	1430173	HST VKF-300 4KN	1-46	1430401	HST AP-40 L=2000	1-98
1430025	HST KSF80-500 L=6000	1-27	1430174	HST VKF-400 4KN	1-46	1430402	HST SR-50 L=2000	1-97
1430026	HST KSF80-600 L=6000	1-27	1430175	HST VKF-500 4KN	1-46	1430403	HST SR-100 L=2000	1-97
1430051	HST KS90-150 R=300	1-29	1430176	HST VKF-600 4KN	1-46	1430404	HST SR-150 L=2000	1-97
1430052	HST KS90-200 R=300	1-29	1430177	HST VKF-700 4KN	1-46	1430409	HST AS WALL L=1980	1-65
1430053	HST KS90-300 R=300	1-29	1430178	HST VKF-800 4KN	1-46	1430410	HST AS L=6030	1-64
1430054	HST KS90-400 R=300	1-29	1430179	HST VKF-900 4KN	1-46	1430411	HST ASR L=6030	1-65
1430055	HST KS90-500 R=300	1-29	1430180	HST VKF-1000 4KN	1-46	1430414	HST FP L=1980	1-68
1430056	HST KS90-600 R=300	1-29	1430190	HST TP1-250	1-56	1430418	HST GT-6 L=1000	1-102, 2-35, 3-26, 4-26
1430062	JM M8 EG	1-104, 2-37, 3-28, 4-28	1430191	HST TP1-500	1-56	1430420	HST GT-10 L=2000	1-102, 2-35, 3-26, 4-26
1430091	HST KST-150 R=300	1-31	1430192	HST TP1-750	1-56	1430421	HST GT-16 L=2000	1-102, 2-35, 3-26, 4-26
1430092	HST KST-200 R=300	1-31	1430193	HST TP1-1000	1-56	1430422	HST SMT	1-67, 3-25
1430093	HST KST-300 R=300	1-31	1430194	HST TP1-1500	1-56	1430426	HST MU M6	1-104, 2-36, 3-27, 4-27
1430094	HST KST-400 R=300	1-31	1430195	HST TP1-2000	1-56	1430427	HST JM M6	1-104, 2-37, 3-28, 4-28
1430095	HST KST-500 R=300	1-31	1430200	HST TP2-500	1-57, 3-21	1430428	HST RS 1	1-103, 2-36, 3-27, 4-27
1430096	HST KST-600 R=300	1-31	1430201	HST TP2-1000	1-57, 3-21	1430429	HST RS 2	1-103, 2-36, 3-27, 4-27
1430101	HST KSE80-150 L=6000	1-26	1430202	HST TP2-1500	1-57, 3-21	1430430	HST RS 3	1-103, 2-36, 3-27, 4-27
1430102	HST KSE80-200 L=6000	1-26	1430203	HST TP2-2000	1-57, 3-21	1430431	HST RS SSU	1-103, 2-36, 3-27, 4-27
1430103	HST KSE80-300 L=6000	1-26	1430204	HST TP2-3000	1-57, 3-21	1430432	HST RS VK2	1-103, 2-36, 3-27, 4-27
1430104	HST KSE80-400 L=6000	1-26	1430252	HST HK13-216	1-49	1430433	HST RS SMT	1-103, 2-36, 3-27, 4-27
1430105	HST KSE80-500 L=6000	1-26	1430253	HST HK13-316	1-49	1430434	HST JM M10	1-104, 2-37, 3-28, 4-28
1430106	HST KSE80-600 L=6000	1-26	1430254	HST HK13-416	1-49			
1430111	HST KSE90-150 R=300	1-30	1430255	HST HK13-516	1-49			
1430112	HST KSE90-200 R=300	1-30	1430256	HST HK13-616	1-49			
1430113	HST KSE90-300 R=300	1-30	1430262	HST TPK-200	1-51			
1430114	HST KSE90-400 R=300	1-30	1430263	HST TPK-300	1-51			
1430115	HST KSE90-500 R=300	1-30	1430264	HST TPK-400	1-51			
1430116	HST KSE90-600 R=300	1-30	1430265	HST TPK-500	1-51			
1430121	HST KSTE-150 R=300	1-32	1430266	HST TPK-600	1-51			
			1430290	HST SSR	1-36			

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1430435	HST JM M16	1-104, 2-37, 3-28, 4-28	1431295	KRC-300 L=2000 M	2-11	1431385	TKU-40-500 M	2-15
1430436	HST MU M10	1-104, 2-36, 3-27, 4-27	1431296	KRC-400 L=2000 M	2-11	1431386	TKU-40-600 M	2-15
1430437	HST MU M16	1-104, 2-36, 3-27, 4-27	1431300	KRV-50 L=3000 PG	2-11	1431391	RX-40-100 PG	2-16
1430438	HST RS KSF	1-103, 2-36, 3-27, 4-27	1431301	KRV-100 L=3000 PG	2-11	1431392	RX-40-200 PG	2-16
1430441	HST FDC	1-79	1431302	KRV-200 L=3000 PG	2-11	1431393	RX-40-300 PG	2-16
1430442	HST HTK-SK	1-77	1431304	KRV-50 L=3000 M	2-11	1431394	RX-40-400 PG	2-16
1430570	HST MEK 70 L=6000	4-9	1431305	KRV-100 L=3000 M	2-11	1431395	RX-40-500 PG	2-16
1430580	HST MEK KU-70	4-11	1431306	KRV-200 L=3000 M	2-11	1431396	RX-40-600 PG	2-16
1430581	HST MEK T	4-13	1431311	RS90-40-100 PG	2-12	1431401	RX-40-100 M	2-16
1430582	HST MEK RK-70	4-16	1431312	RS90-40-200 PG	2-12	1431402	RX-40-200 M	2-16
1430583	HST MEK PK	4-14	1431313	RS90-40-300 PG	2-12	1431403	RX-40-300 M	2-16
1430584	HST MEK J-70	4-17	1431314	RS90-40-400 PG	2-12	1431404	RX-40-400 M	2-16
1430585	HST MEK NL	4-18	1431315	RS90-40-500 PG	2-12	1431405	RX-40-500 M	2-16
1430586	HST RDP-O	4-19	1431316	RS90-40-600 PG	2-12	1431406	RX-40-600 M	2-16
1430587	HST MEK VM	4-20	1431321	RS90-40-100 M	2-12	1431411	RSS-40-100 PG	2-26
1431211	KRA-40-100 L=3000 PG	2-8	1431322	RS90-40-200 M	2-12	1431412	RSS-40-200 PG	2-26
1431212	KRA-40-200 L=3000 PG	2-8	1431323	RS90-40-300 M	2-12	1431413	RSS-40-300 PG	2-26
1431213	KRA-40-300 L=3000 PG	2-8	1431324	RS90-40-400 M	2-12	1431414	RSS-40-400 PG	2-26
1431214	KRA-40-400 L=3000 PG	2-8	1431325	RS90-40-500 M	2-12	1431415	RSS-40-500 PG	2-26
1431215	KRA-40-500 L=3000 PG	2-8	1431326	RS90-40-600 M	2-12	1431416	RSS-40-600 PG	2-26
1431216	KRA-40-600 L=3000 PG	2-8	1431331	SRS-40-100 PG	2-13	1431421	RSS-40-100 M	2-26
1431231	KRA-40-100 L=3000 M	2-8	1431332	SRS-40-200 PG	2-13	1431422	RSS-40-200 M	2-26
1431232	KRA-40-200 L=3000 M	2-8	1431333	SRS-40-300 PG	2-13	1431423	RSS-40-300 M	2-26
1431233	KRA-40-300 L=3000 M	2-8	1431334	SRS-40-400 PG	2-13	1431424	RSS-40-400 M	2-26
1431234	KRA-40-400 L=3000 M	2-8	1431335	SRS-40-500 PG	2-13	1431425	RSS-40-500 M	2-26
1431235	KRA-40-500 L=3000 M	2-8	1431336	SRS-40-600 PG	2-13	1431426	RSS-40-600 M	2-26
1431236	KRA-40-600 L=3000 M	2-8	1431341	SRS-40-100 M	2-13	1431430	KRC J-50 PG	2-25
1431251	KRB-40-100 L=3000 PG	2-9	1431342	SRS-40-200 M	2-13	1431431	KRC J-100 PG	2-25
1431252	KRB-40-200 L=3000 PG	2-9	1431343	SRS-40-300 M	2-13	1431432	KRC J-150 PG	2-25
1431253	KRB-40-300 L=3000 PG	2-9	1431344	SRS-40-400 M	2-13	1431433	KRC J-200 PG	2-25
1431254	KRB-40-400 L=3000 PG	2-9	1431345	SRS-40-500 M	2-13	1431434	KRC J-250 PG	2-25
1431255	KRB-40-500 L=3000 PG	2-9	1431346	SRS-40-600 M	2-13	1431435	KRC J-300 PG	2-25
1431256	KRB-40-600 L=3000 PG	2-9	1431351	RT-40-100 PG	2-14	1431436	KRC J-400 PG	2-25
1431271	KRB-40-100 L=3000 M	2-9	1431352	RT-40-200 PG	2-14	1431451	RVS-40-100 PG	2-27
1431272	KRB-40-200 L=3000 M	2-9	1431353	RT-40-300 PG	2-14	1431452	RVS-40-200 PG	2-27
1431273	KRB-40-300 L=3000 M	2-9	1431354	RT-40-400 PG	2-14	1431453	RVS-40-300 PG	2-27
1431274	KRB-40-400 L=3000 M	2-9	1431355	RT-40-500 PG	2-14	1431454	RVS-40-400 PG	2-27
1431275	KRB-40-500 L=3000 M	2-9	1431356	RT-40-600 PG	2-14	1431455	RVS-40-500 PG	2-27
1431276	KRB-40-600 L=3000 M	2-9	1431361	RT-40-100 M	2-14	1431456	RVS-40-600 PG	2-27
1431280	KRC-50 L=2000 PG	2-11	1431362	RT-40-200 M	2-14	1431461	RVS-40-100 M	2-27
1431281	KRC-100 L=2000 PG	2-11	1431363	RT-40-300 M	2-14	1431462	RVS-40-200 M	2-27
1431282	KRC-150 L=2000 PG	2-11	1431364	RT-40-400 M	2-14	1431463	RVS-40-300 M	2-27
1431283	KRC-200 L=2000 PG	2-11	1431365	RT-40-500 M	2-14	1431464	RVS-40-400 M	2-27
1431284	KRC-250 L=2000 PG	2-11	1431366	RT-40-600 M	2-14	1431465	RVS-40-500 M	2-27
1431285	KRC-300 L=2000 PG	2-11	1431371	TKU-40-100 PG	2-15	1431466	RVS-40-600 M	2-27
1431286	KRC-400 L=2000 PG	2-11	1431372	TKU-40-200 PG	2-15	1431471	RAK-40-100 PG	2-28
1431290	KRC-50 L=2000 M	2-11	1431373	TKU-40-300 PG	2-15	1431472	RAK-40-200 PG	2-28
1431291	KRC-100 L=2000 M	2-11	1431374	TKU-40-400 PG	2-15	1431473	RAK-40-300 PG	2-28
1431292	KRC-150 L=2000 M	2-11	1431375	TKU-40-500 PG	2-15	1431481	RAK-40-100 M	2-28
1431293	KRC-200 L=2000 M	2-11	1431376	TKU-40-600 PG	2-15	1431482	RAK-40-200 M	2-28
1431294	KRC-250 L=2000 M	2-11	1431381	TKU-40-100 M	2-15	1431483	RAK-40-300 M	2-28
			1431382	TKU-40-200 M	2-15	1431491	RMK-40-100 10 PG	2-18
			1431383	TKU-40-300 M	2-15	1431492	RMK-40-200 10 PG	2-18
			1431384	TKU-40-400 M	2-15	1431493	RMK-40-300 10 PG	2-18

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1431494	RMK-40-400 10 PG	2-18	1431621	RTF-16 M	2-29	1431782	P-40-200 KRA M	2-24
1431495	RMK-40-500 10 PG	2-18	1431623	RTF-Z M	2-29	1431783	P-40-300 KRA M	2-24
1431496	RMK-40-600 10 PG	2-18	1431629	PF PG	1-70	1431784	P-40-400 KRA M	2-24
1431501	RMK-40-100 10 M	2-18	1431630	PF M	1-70	1431785	P-40-500 KRA M	2-24
1431502	RMK-40-200 10 M	2-18	1431639	PS L=3000 PG	1-69	1431786	P-40-600 KRA M	2-24
1431503	RMK-40-300 10 M	2-18	1431640	PS L=3000 M	1-69	1431800	SS-10	1-103, 2-35, 3-26, 4-26
1431504	RMK-40-400 10 M	2-18	1431644	PSF PG	1-69	1431801	SS-16	1-103, 2-35, 3-26, 4-26
1431505	RMK-40-500 10 M	2-18	1431645	PSF M	1-69	1431802	KS20-200 K L=3000 PG	1-20
1431506	RMK-40-600 10 M	2-18	1431648	RDP-O PG	2-30,4-19	1431803	KS20-300 K L=3000 PG	1-20
1431512	RMK-40-200 16 PG	2-19	1431649	RDP-40 PG	2-30,4-19	1431804	KS20-400 K L=3000 PG	1-20
1431513	RMK-40-300 16 PG	2-19	1431650	RDP-40 M	2-30,4-19	1431805	KS20-500 K L=3000 PG	1-20
1431514	RMK-40-400 16 PG	2-19	1431651	RDP-O M	2-30,4-19	1431806	KS20-600 K L=3000 PG	1-20
1431515	RMK-40-500 16 PG	2-19	1431652	RDP-40 XPG	4-19	1431809	MEKA SPRAY RAL9010	1-102, 2-35, 3-26, 4-26
1431516	RMK-40-600 16 PG	2-19	1431653	RDP-O-40 XPG	4-19	1431811	KRL-RT-100 M	2-34
1431522	RMK-40-200 16 M	2-19	1431671	APT-100 PG	2-32	1431812	KRL-RT-200 M	2-34
1431523	RMK-40-300 16 M	2-19	1431672	APT-200 PG	2-32	1431813	KRL-RT-300 M	2-34
1431524	RMK-40-400 16 M	2-19	1431673	APT-300 PG	2-32	1431814	KRL-RT-400 M	2-34
1431525	RMK-40-500 16 M	2-19	1431674	APT-400 PG	2-32	1431815	KRL-RT-500 M	2-34
1431526	RMK-40-600 16 M	2-19	1431675	APT-500 PG	2-32	1431816	KRL-RT-600 M	2-34
1431531	RVK-100 EG	2-20	1431676	APT-600 PG	2-32	1431820	KRL-50 L=3000 PG	2-32
1431532	RVK-200 PG	2-20	1431680	APJ-40 PG	1-98, 2-31	1431821	KRL-100 L=3000 PG	2-32
1431533	RVK-300 PG	2-20	1431681	APJ-40 M	1-98, 2-31	1431822	KRL-200 L=3000 PG	2-32
1431534	RVK-400 PG	2-20	1431721	KRL-RS90-100 M	2-33	1431823	KRL-300 L=3000 PG	2-32
1431541	RVK-100 M	2-20	1431722	KRL-RS90-200 M	2-33	1431824	KRL-400 L=3000 PG	2-32
1431542	RVK-200 M	2-20	1431723	KRL-RS90-300 M	2-33	1431825	KRL-500 L=3000 PG	2-32
1431543	RVK-300 M	2-20	1431724	KRL-RS90-400 M	2-33	1431826	KRL-600 L=3000 PG	2-32
1431544	RVK-400 M	2-20	1431725	KRL-RS90-500 M	2-33	1431830	KRL-50 L=3000 M	2-32
1431551	SVK-100 PG	2-21	1431726	KRL-RS90-600 M	2-33	1431831	KRL-100 L=3000 M	2-32
1431552	SVK-200 PG	2-21	1431731	RS PSF EG	1-103, 2-36, 3-27, 4-27	1431832	KRL-200 L=3000 M	2-32
1431553	SVK-300 PG	2-21	1431734	RS SVK EG	1-103, 2-36, 3-27, 4-27	1431833	KRL-300 L=3000 M	2-32
1431554	SVK-400 PG	2-21	1431735	RS K EG	1-103, 2-36, 3-27, 4-27	1431834	KRL-400 L=3000 M	2-32
1431555	SVK-500 PG	2-21	1431740	MU M10 M	1-104, 2-36, 3-27, 4-27	1431835	KRL-500 L=3000 M	2-32
1431556	SVK-600 PG	2-21	1431741	MU M16 M	1-104, 2-36, 3-27, 4-27	1431836	KRL-600 L=3000 M	2-32
1431561	SVK-100 M	2-21	1431746	JM M10 M	1-104, 2-37, 3-28, 4-28	1431841	K-100 EG	2-23
1431562	SVK-200 M	2-21	1431747	JM M16 M	1-104, 2-37, 3-28, 4-28	1431842	K-200 PG	2-23
1431563	SVK-300 M	2-21	1431748	JM M10 HDG	1-104, 2-37, 3-28, 4-28	1431843	K-300 PG	2-23
1431564	SVK-400 M	2-21	1431749	JM M16 HDG	1-104, 2-37, 3-28, 4-28	1431844	K-400 PG	2-23
1431565	SVK-500 M	2-21	1431758	MEK AH-70 PG	4-21	1431845	K-500 PG	2-23
1431566	SVK-600 M	2-21	1431759	MEK AH-110 PG	4-21	1431851	K-100 M	2-23
1431591	YPK-100 PG	2-22, 3-20	1431764	MEK AH-70 M	4-21	1431852	K-200 M	2-23
1431592	YPK-200 PG	2-22, 3-20	1431765	MEK AH-110 M	4-21	1431853	K-300 M	2-23
1431593	YPK-300 PG	2-22, 3-20	1431771	P-40-100 KRA PG	2-24	1431854	K-400 M	2-23
1431594	YPK-400 EG	2-22, 3-20	1431772	P-40-200 KRA PG	2-24	1431855	K-500 M	2-23
1431595	YPK-500 EG	2-22, 3-20	1431773	P-40-300 KRA PG	2-24	1431881	KRL-RS90-100 PG	2-33
1431596	YPK-600 EG	2-22, 3-20	1431774	P-40-400 KRA PG	2-24	1431882	KRL-RS90-200 PG	2-33
1431601	YPK-100 M	2-22, 3-20	1431775	P-40-500 KRA PG	2-24	1431883	KRL-RS90-300 PG	2-33
1431602	YPK-200 M	2-22, 3-20	1431776	P-40-600 KRA PG	2-24	1431884	KRL-RS90-400 PG	2-33
1431603	YPK-300 M	2-22, 3-20	1431777	P-40-100 KRA M	2-24	1431885	KRL-RS90-500 PG	2-33
1431604	YPK-400 M	2-22, 3-20	1431781	P-40-200 KRA M	2-24	1431886	KRL-RS90-600 PG	2-33
1431605	YPK-500 M	2-22, 3-20				1431891	KRL-RT-100 PG	2-34
1431606	YPK-600 M	2-22, 3-20				1431892	KRL-RT-200 PG	2-34
1431611	RÄF-40 PG	2-25				1431893	KRL-RT-300 PG	2-34
1431612	RÄF-40 M	2-25						
1431619	RTF-10 M	2-29, 4-22						

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1431894	KRL-RT-400 PG	2-34	1432166	RS90-60-600 PG	2-12	1432476	RSS-60-600 M	2-26
1431895	KRL-RT-500 PG	2-34	1432171	RS90-60-100 M	2-12	1432521	RVS-60-100 PG	2-27
1431896	KRL-RT-600 PG	2-34	1432172	RS90-60-200 M	2-12	1432522	RVS-60-200 PG	2-27
1431901	INSTAL SP45-1 L=2300 M	5-32	1432173	RS90-60-300 M	2-12	1432523	RVS-60-300 PG	2-27
1431902	INSTAL SP45-2 L=2300 M	5-33	1432174	RS90-60-400 M	2-12	1432524	RVS-60-400 PG	2-27
1431907	KS20-200 K L=6000 PG	1-20	1432175	RS90-60-500 M	2-12	1432525	RVS-60-500 PG	2-27
1431908	KS20-300 K L=6000 PG	1-20	1432176	RS90-60-600 M	2-12	1432526	RVS-60-600 PG	2-27
1431909	KS20-400 K L=6000 PG	1-20	1432221	SRS-60-100 PG	2-13	1432531	RVS-60-100 M	2-27
1431910	INSTAL SP45 FS	5-37	1432222	SRS-60-200 PG	2-13	1432532	RVS-60-200 M	2-27
1431911	KS20-500 K L=6000 PG	1-20	1432223	SRS-60-300 PG	2-13	1432533	RVS-60-300 M	2-27
1431912	KS20-600 K L=6000 PG	1-20	1432224	SRS-60-400 PG	2-13	1432534	RVS-60-400 M	2-27
1431921	INSTAL SP45 MB1	5-36	1432225	SRS-60-500 PG	2-13	1432535	RVS-60-500 M	2-27
1431922	INSTAL SP45 MB2	5-36	1432226	SRS-60-600 PG	2-13	1432536	RVS-60-600 M	2-27
1431923	INSTAL SP45 MB3	5-36	1432231	SRS-60-100 M	2-13	1432581	RAK-60-100 PG	2-28
1431924	INSTAL SP45 TB	5-36	1432232	SRS-60-200 M	2-13	1432582	RAK-60-200 PG	2-28
1431951	INSTAL SP45-1E L=2300 M	5-32	1432233	SRS-60-300 M	2-13	1432583	RAK-60-300 PG	2-28
1431952	INSTAL SP45-2E L=2300 M	5-33	1432234	SRS-60-400 M	2-13	1432587	RAK-60-200 M	2-28
1431954	INSTAL SP45-4E L=2300 M	5-34	1432235	SRS-60-500 M	2-13	1432588	RAK-60-100 M	2-28
1431955	INSTAL SP45-1FPE L=650 M	5-32	1432236	SRS-60-600 M	2-13	1432589	RAK-60-300 M	2-28
1431956	INSTAL SP45-2FPE L=650 M	5-33	1432281	RT-60-100 PG	2-14	1432611	RMK-60-100 10 PG	2-18
1431961	INSTAL SP45-1E L=2300 AD	5-32	1432282	RT-60-200 PG	2-14	1432612	RMK-60-200 10 PG	2-18
1431962	INSTAL SP45-2E L=2300 AD	5-33	1432283	RT-60-300 PG	2-14	1432613	RMK-60-300 10 PG	2-18
1431964	INSTAL SP45-4E L=2300 AD	5-34	1432284	RT-60-400 PG	2-14	1432614	RMK-60-400 10 PG	2-18
1431965	INSTAL SP45-1FPE L=650 AD	5-32	1432285	RT-60-500 PG	2-14	1432615	RMK-60-500 10 PG	2-18
1431966	INSTAL SP45-2FPE L=650 AD	5-33	1432286	RT-60-600 PG	2-14	1432616	RMK-60-600 10 PG	2-18
1432001	KRA-60-100 L=3000 PG	2-8	1432291	RT-60-100 M	2-14	1432621	RMK-60-100 10 M	2-18
1432002	KRA-60-200 L=3000 PG	2-8	1432292	RT-60-200 M	2-14	1432622	RMK-60-200 10 M	2-18
1432003	KRA-60-300 L=3000 PG	2-8	1432293	RT-60-300 M	2-14	1432623	RMK-60-300 10 M	2-18
1432004	KRA-60-400 L=3000 PG	2-8	1432294	RT-60-400 M	2-14	1432624	RMK-60-400 10 M	2-18
1432005	KRA-60-500 L=3000 PG	2-8	1432295	RT-60-500 M	2-14	1432625	RMK-60-500 10 M	2-18
1432006	KRA-60-600 L=3000 PG	2-8	1432296	RT-60-600 M	2-14	1432626	RMK-60-600 10 M	2-18
1432021	KRA-60-100 L=3000 M	2-8	1432401	TKU-60-100 PG	2-15	1432671	P-60-100 KRA PG	2-24
1432022	KRA-60-200 L=3000 M	2-8	1432402	TKU-60-200 PG	2-15	1432672	P-60-200 KRA PG	2-24
1432023	KRA-60-300 L=3000 M	2-8	1432403	TKU-60-300 PG	2-15	1432673	P-60-300 KRA PG	2-24
1432024	KRA-60-400 L=3000 M	2-8	1432404	TKU-60-400 PG	2-15	1432674	P-60-400 KRA PG	2-24
1432025	KRA-60-500 L=3000 M	2-8	1432405	TKU-60-500 PG	2-15	1432675	P-60-500 KRA PG	2-24
1432026	KRA-60-600 L=3000 M	2-8	1432406	TKU-60-600 PG	2-15	1432676	P-60-600 KRA PG	2-24
1432081	KRB-60-100 L=3000 PG	2-9	1432411	TKU-60-100 M	2-15	1432681	P-60-100 KRA M	2-24
1432082	KRB-60-200 L=3000 PG	2-9	1432412	TKU-60-200 M	2-15	1432682	P-60-200 KRA M	2-24
1432083	KRB-60-300 L=3000 PG	2-9	1432413	TKU-60-300 M	2-15	1432683	P-60-300 KRA M	2-24
1432084	KRB-60-400 L=3000 PG	2-9	1432414	TKU-60-400 M	2-15	1432684	P-60-400 KRA M	2-24
1432085	KRB-60-500 L=3000 PG	2-9	1432415	TKU-60-500 M	2-15	1432685	P-60-500 KRA M	2-24
1432086	KRB-60-600 L=3000 PG	2-9	1432416	TKU-60-600 M	2-15	1432686	P-60-600 KRA M	2-24
1432101	KRB-60-100 L=3000 M	2-9	1432461	RSS-60-100 PG	2-26	1432731	RÄF-60 PG	2-25
1432102	KRB-60-200 L=3000 M	2-9	1432462	RSS-60-200 PG	2-26	1432734	RÄF-60 M	2-25
1432103	KRB-60-300 L=3000 M	2-9	1432463	RSS-60-300 PG	2-26	1432737	AP-60 L=2000 PG	1-98, 2-31
1432104	KRB-60-400 L=3000 M	2-9	1432464	RSS-60-400 PG	2-26	1432740	AP-60 L=2000 M	1-98, 2-31
1432105	KRB-60-500 L=3000 M	2-9	1432465	RSS-60-500 PG	2-26	1432749	RDP-60 PG	2-30
1432106	KRB-60-600 L=3000 M	2-9	1432466	RSS-60-600 PG	2-26	1432752	RDP-60 M	2-30
1432161	RS90-60-100 PG	2-12	1432471	RSS-60-100 M	2-26	1432801	KRL-KS90-150 R=300 PG	1-91
1432162	RS90-60-200 PG	2-12	1432472	RSS-60-200 M	2-26	1432802	KRL-KS90-200 R=300 PG	1-91
1432163	RS90-60-300 PG	2-12	1432473	RSS-60-300 M	2-26	1432803	KRL-KS90-300 R=300 PG	1-91
1432164	RS90-60-400 PG	2-12	1432474	RSS-60-400 M	2-26	1432804	KRL-KS90-400 R=300 PG	1-91
1432165	RS90-60-500 PG	2-12	1432475	RSS-60-500 M	2-26	1432805	KRL-KS90-500 R=300 PG	1-91

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1432806	KRL-KS90-600 R=300 PG	1-91	1432906	KRL-KST-150 R=300 PG	1-94	1433042	KSVIE-200 R=300 HDG	1-35
1432807	KRL-KS90-200 R=600 PG	1-91	1432907	KRL-KST-150 R=600 PG	1-94	1433043	KSVIE-300 R=300 HDG	1-35
1432808	KRL-KS90-300 R=600 PG	1-91	1432912	KRL-KSX-150 R=300 PG	1-95	1433044	KSVIE-400 R=300 HDG	1-35
1432809	KRL-KS90-400 R=600 PG	1-91	1432914	KRL-KSV-150 R=300 PG	1-89	1433045	KSVIE-500 R=300 HDG	1-35
1432810	KRL-KS90-500 R=600 PG	1-91	1432916	KRL-J-150 PG	1-88	1433046	KSVIE-600 R=300 HDG	1-35
1432811	KRL-KS90-600 R=600 PG	1-91	1432918	PPU-150 L=3000 PG	1-96	1433092	KS60-200 L=6000 HDG	1-22
1432817	KRL-KS90-200 R=100 PG	1-91	1432919	PPU-150 L=3000 M	1-96	1433093	KS60-300 L=6000 HDG	1-22
1432818	KRL-KS90-300 R=100 PG	1-91	1432921	KSXE-150 R=300 HDG	1-33	1433094	KS60-400 L=6000 HDG	1-22
1432819	KRL-KS90-400 R=100 PG	1-91	1432922	KSXE-200 R=300 HDG	1-33	1433095	KS60-500 L=6000 HDG	1-22
1432820	KRL-KS90-500 R=100 PG	1-91	1432923	KSXE-300 R=300 HDG	1-33	1433096	KS60-600 L=6000 HDG	1-22
1432821	KRL-KS90-600 R=100 PG	1-91	1432924	KSXE-400 R=300 HDG	1-33	1433102	KS20-200 L=6000 HDG	1-21
1432822	KRL-KST-200 R=300 PG	1-94	1432925	KSXE-500 R=300 HDG	1-33	1433103	KS20-300 L=6000 HDG	1-21
1432823	KRL-KST-300 R=300 PG	1-94	1432926	KSXE-600 R=300 HDG	1-33	1433104	KS20-400 L=6000 HDG	1-21
1432824	KRL-KST-400 R=300 PG	1-94	1432931	KSVE-150 R=300 HDG	1-34	1433105	KS20-500 L=6000 HDG	1-21
1432825	KRL-KST-500 R=300 PG	1-94	1432932	KSVE-200 R=300 HDG	1-34	1433106	KS20-600 L=6000 HDG	1-21
1432826	KRL-KST-600 R=300 PG	1-94	1432933	KSVE-300 R=300 HDG	1-34	1433112	KS20-200 L=3000 HDG	1-21
1432827	KRL-KST-200 R=600 PG	1-94	1432934	KSVE-400 R=300 HDG	1-34	1433113	KS20-300 L=3000 HDG	1-21
1432828	KRL-KST-300 R=600 PG	1-94	1432935	KSVE-500 R=300 HDG	1-34	1433114	KS20-400 L=3000 HDG	1-21
1432829	KRL-KST-400 R=600 PG	1-94	1432936	KSVE-600 R=300 HDG	1-34	1433115	KS20-500 L=3000 HDG	1-21
1432830	KRL-KST-500 R=600 PG	1-94	1432941	KSE90-150 R=300 HDG	1-30	1433116	KS20-600 L=3000 HDG	1-21
1432831	KRL-KST-600 R=600 PG	1-94	1432942	KSE90-200 R=300 HDG	1-30	1433122	MK-210 HDG	1-50
1432837	KRL-KSX-200 R=300 PG	1-95	1432943	KSE90-300 R=300 HDG	1-30	1433123	MK-310 HDG	1-50
1432838	KRL-KSX-300 R=300 PG	1-95	1432944	KSE90-400 R=300 HDG	1-30	1433124	MK-410 HDG	1-50
1432839	KRL-KSX-400 R=300 PG	1-95	1432945	KSE90-500 R=300 HDG	1-30	1433125	MK-510 HDG	1-50
1432840	KRL-KSX-500 R=300 PG	1-95	1432946	KSE90-600 R=300 HDG	1-30	1433126	MK-610 HDG	1-50
1432841	KRL-KSX-600 R=300 PG	1-95	1432951	KSTE-150 R=300 HDG	1-32	1433139	KK-MK HDG	1-54
1432842	KRL-KSV-200 R=300 PG	1-89	1432952	KSTE-200 R=300 HDG	1-32	1433199	SSC HDG	1-37
1432843	KRL-KSV-300 R=300 PG	1-89	1432953	KSTE-300 R=300 HDG	1-32	1433240	BASIC MB	5-26
1432844	KRL-KSV-400 R=300 PG	1-89	1432954	KSTE-400 R=300 HDG	1-32	1433241	BASIC EC	5-26
1432845	KRL-KSV-500 R=300 PG	1-89	1432955	KSTE-500 R=300 HDG	1-32	1433311	KRL-KS-150 L=3000 XPG	1-85
1432846	KRL-KSV-600 R=300 PG	1-89	1432956	KSTE-600 R=300 HDG	1-32	1433312	KRL-KS-200 L=3000 XPG	1-85
1432847	KRL-KS-200 L=3000 PG	1-85	1432961	KSVI-150 R=300 HDG	1-35	1433313	KRL-KS-300 L=3000 XPG	1-85
1432848	KRL-KS-300 L=3000 PG	1-85	1432962	KSVI-200 R=300 HDG	1-35	1433314	KRL-KS-400 L=3000 XPG	1-85
1432849	KRL-KS-400 L=3000 PG	1-85	1432963	KSVI-300 R=300 HDG	1-35	1433315	KRL-KS-500 L=3000 XPG	1-85
1432850	KRL-KS-500 L=3000 PG	1-85	1432964	KSVI-400 R=300 HDG	1-35	1433316	KRL-KS-600 L=3000 XPG	1-85
1432851	KRL-KS-600 L=3000 PG	1-85	1432965	KSVI-500 R=300 HDG	1-35	1433321	KRL-KS90-200 R=100 XPG	1-91
1432852	KRL-J-200 PG	1-88	1432966	KSVI-600 R=300 HDG	1-35	1433322	KRL-KS90-300 R=100 XPG	1-91
1432853	KRL-J-300 PG	1-88	1432981	KRL-KSVI-150 R=300 PG	1-90	1433323	KRL-KS90-400 R=100 XPG	1-91
1432854	KRL-J-400 PG	1-88	1432982	KRL-KSVI-200 R=300 PG	1-90	1433324	KRL-KS90-500 R=100 XPG	1-91
1432855	KRL-J-500 PG	1-88	1432983	KRL-KSVI-300 R=300 PG	1-90	1433325	KRL-KS90-600 R=100 XPG	1-91
1432856	KRL-J-600 PG	1-88	1432984	KRL-KSVI-400 R=300 PG	1-90	1433326	KRL-KS90-150 R=300 XPG	1-91
1432887	PPU-200 L=3000 PG	1-96	1432985	KRL-KSVI-500 R=300 PG	1-90	1433327	KRL-KS90-200 R=300 XPG	1-91
1432888	PPU-300 L=3000 PG	1-96	1432986	KRL-KSVI-600 R=300 PG	1-90	1433328	KRL-KS90-300 R=300 XPG	1-91
1432889	PPU-400 L=3000 PG	1-96	1433017	KS60-200 L=3000 PG	1-22	1433329	KRL-KS90-400 R=300 XPG	1-91
1432890	PPU-500 L=3000 PG	1-96	1433018	KS60-300 L=3000 PG	1-22	1433330	KRL-KS90-500 R=300 XPG	1-91
1432891	PPU-600 L=3000 PG	1-96	1433019	KS60-400 L=3000 PG	1-22	1433331	KRL-KS90-600 R=300 XPG	1-91
1432892	PPU-200 L=3000 M	1-96	1433020	KS60-500 L=3000 PG	1-22	1433336	KRL-KS90-150 R=600 XPG	1-91
1432893	PPU-300 L=3000 M	1-96	1433021	KS60-600 L=3000 PG	1-22	1433337	KRL-KS90-200 R=600 XPG	1-91
1432894	PPU-400 L=3000 M	1-96	1433027	KS60-200 L=6000 PG	1-22	1433338	KRL-KS90-300 R=600 XPG	1-91
1432895	PPU-500 L=3000 M	1-96	1433028	KS60-300 L=6000 PG	1-22	1433339	KRL-KS90-400 R=600 XPG	1-91
1432896	PPU-600 L=3000 M	1-96	1433029	KS60-400 L=6000 PG	1-22	1433340	KRL-KS90-500 R=600 XPG	1-91
1432897	VM-KS PG	1-99	1433030	KS60-500 L=6000 PG	1-22	1433341	KRL-KS90-600 R=600 XPG	1-91
1432898	KRL-KS-150 L=3000 PG	1-85	1433031	KS60-600 L=6000 PG	1-22	1433352	KRL-KST-150 R=300 XPG	1-94
1432901	KRL-KS90-150 R=600 PG	1-91	1433041	KSVIE-150 R=300 HDG	1-35	1433353	KRL-KST-200 R=300 XPG	1-94

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1433354	KRL-KST-300 R=300 XPG	1-94	1433446	DPB XPG	1-82	1448501	WMT-30-100 L=3000 HDG	3-7
1433355	KRL-KST-400 R=300 XPG	1-94	1433447	DPB-O XPG	1-82	1448502	WMT-30-200 L=3000 HDG	3-7
1433356	KRL-KST-500 R=300 XPG	1-94	1433448	PRT-200 XPG	1-51, 3-24	1448503	WMT-30-300 L=3000 HDG	3-7
1433357	KRL-KST-600 R=300 XPG	1-94	1433449	PRT-300 XPG	1-51, 3-24	1448504	WMT-30-400 L=3000 HDG	3-7
1433362	KRL-KST-150 R=600 XPG	1-94	1433450	PRT-400 XPG	1-51, 3-24	1448505	WMT-30-500 L=3000 HDG	3-7
1433363	KRL-KST-200 R=600 XPG	1-94	1433451	PRT-500 XPG	1-51, 3-24	1448506	WMT-30-600 L=3000 HDG	3-7
1433364	KRL-KST-300 R=600 XPG	1-94	1433452	PRT-600 XPG	1-51, 3-24	1448507	WMT-50-70 L=3000 HDG	3-8
1433365	KRL-KST-400 R=600 XPG	1-94	1433457	KRL-J-150 XPG	1-88	1448508	WMT-50-100 L=3000 HDG	3-8
1433366	KRL-KST-500 R=600 XPG	1-94	1433458	KRL-J-200 XPG	1-88	1448509	WMT-50-200 L=3000 HDG	3-8
1433367	KRL-KST-600 R=600 XPG	1-94	1433459	KRL-J-300 XPG	1-88	1448510	WMT-50-300 L=3000 HDG	3-8
1433378	KRL-KSX-150 R=300 XPG	1-95	1433460	KRL-J-400 XPG	1-88	1448511	WMT-50-400 L=3000 HDG	3-8
1433379	KRL-KSX-200 R=300 XPG	1-95	1433461	KRL-J-500 XPG	1-88	1448512	WMT-50-500 L=3000 HDG	3-8
1433380	KRL-KSX-300 R=300 XPG	1-95	1433462	KRL-J-600 XPG	1-88	1448513	WMT-50-600 L=3000 HDG	3-8
1433381	KRL-KSX-400 R=300 XPG	1-95	1433463	SR-50 L=2000 XPG	1-97	1448515	WMT-100-100 L=3000 HDG	3-9
1433382	KRL-KSX-500 R=300 XPG	1-95	1433464	SR-100 L=2000 XPG	1-97	1448516	WMT-100-200 L=3000 HDG	3-9
1433383	KRL-KSX-600 R=300 XPG	1-95	1433465	SR-150 L=2000 XPG	1-97	1448517	WMT-100-300 L=3000 HDG	3-9
1433388	KRL-KSV-150 R=300 XPG	1-89	1433466	APJ-40 XPG	1-98	1448518	WMT-100-400 L=3000 HDG	3-9
1433389	KRL-KSV-200 R=300 XPG	1-89	1433467	KRL-KS45-150 R=300 XPG	1-92	1448519	WMT-100-500 L=3000 HDG	3-9
1433390	KRL-KSV-300 R=300 XPG	1-89	1433468	KRL-KS45-200 R=300 XPG	1-92	1448520	WMT-100-600 L=3000 HDG	3-9
1433391	KRL-KSV-400 R=300 XPG	1-89	1433469	KRL-KS45-300 R=300 XPG	1-92	1448523	WMT-150-200 L=3000 HDG	3-10
1433392	KRL-KSV-500 R=300 XPG	1-89	1433470	KRL-KS45-400 R=300 XPG	1-92	1448524	WMT-150-300 L=3000 HDG	3-10
1433393	KRL-KSV-600 R=300 XPG	1-89	1433471	KRL-KS45-500 R=300 XPG	1-92	1448525	WMT-150-400 L=3000 HDG	3-10
1433394	KRL-KSVI-150 R=300 XPG	1-90	1433472	KRL-KS45-600 R=300 XPG	1-92	1448526	WMT-150-500 L=3000 HDG	3-10
1433395	KRL-KSVI-200 R=300 XPG	1-90	1433488	TFP-A1 XPG	1-76	1448527	WMT-150-600 L=3000 HDG	3-10
1433396	KRL-KSVI-300 R=300 XPG	1-90	1433489	TFP-A2 XPG	1-76	1448599	WMT-30-50 L=3000 HST	3-7
1433397	KRL-KSVI-400 R=300 XPG	1-90	1433490	TFP-A3 XPG	1-76	1448600	WMT-30-70 L=3000 HST	3-7
1433398	KRL-KSVI-500 R=300 XPG	1-90	1444999	WMT-30-50 L=3000 EG	3-7	1448601	WMT-30-100 L=3000 HST	3-7
1433399	KRL-KSVI-600 R=300 XPG	1-90	1448400	WMT-30-70 L=3000 EG	3-7	1448602	WMT-30-200 L=3000 HST	3-7
1433411	PSK-150 L=3000 XPG	1-87	1448401	WMT-30-100 L=3000 EG	3-7	1448603	WMT-30-300 L=3000 HST	3-7
1433412	PSK-200 L=3000 XPG	1-87	1448402	WMT-30-200 L=3000 EG	3-7	1448604	WMT-30-400 L=3000 HST	3-7
1433413	PSK-300 L=3000 XPG	1-87	1448403	WMT-30-300 L=3000 EG	3-7	1448605	WMT-30-500 L=3000 HST	3-7
1433414	PSK-400 L=3000 XPG	1-87	1448404	WMT-30-400 L=3000 EG	3-7	1448606	WMT-30-600 L=3000 HST	3-7
1433415	PSK-500 L=3000 XPG	1-87	1448405	WMT-30-500 L=3000 EG	3-7	1448607	WMT-50-70 L=3000 HST	3-8
1433416	PSK-600 L=3000 XPG	1-87	1448406	WMT-30-600 L=3000 EG	3-7	1448608	WMT-50-100 L=3000 HST	3-8
1433421	SK-150 L=1550 XPG	1-86	1448407	WMT-50-70 L=3000 EG	3-8	1448609	WMT-50-200 L=3000 HST	3-8
1433422	SK-200 L=1550 XPG	1-86	1448408	WMT-50-100 L=3000 EG	3-8	1448610	WMT-50-300 L=3000 HST	3-8
1433423	SK-300 L=1550 XPG	1-86	1448409	WMT-50-200 L=3000 EG	3-8	1448611	WMT-50-400 L=3000 HST	3-8
1433424	SK-400 L=1550 XPG	1-86	1448410	WMT-50-300 L=3000 EG	3-8	1448612	WMT-50-500 L=3000 HST	3-8
1433425	SK-500 L=1550 XPG	1-86	1448411	WMT-50-400 L=3000 EG	3-8	1448613	WMT-50-600 L=3000 HST	3-8
1433426	SK-600 L=1550 XPG	1-86	1448412	WMT-50-500 L=3000 EG	3-8	1448615	WMT-100-100 L=3000 HST	3-9
1433431	POL-200 L=3000 XPG	1-96	1448413	WMT-50-600 L=3000 EG	3-8	1448616	WMT-100-200 L=3000 HST	3-9
1433432	POL-300 L=3000 XPG	1-96	1448415	WMT-100-100 L=3000 EG	3-9	1448617	WMT-100-300 L=3000 HST	3-9
1433433	POL-400 L=3000 XPG	1-96	1448416	WMT-100-200 L=3000 EG	3-9	1448618	WMT-100-400 L=3000 HST	3-9
1433434	POL-500 L=3000 XPG	1-96	1448417	WMT-100-300 L=3000 EG	3-9	1448619	WMT-100-500 L=3000 HST	3-9
1433435	POL-600 L=3000 XPG	1-96	1448418	WMT-100-400 L=3000 EG	3-9	1448620	WMT-100-600 L=3000 HST	3-9
1433436	KL-150 L=510 XPG	1-83	1448419	WMT-100-500 L=3000 EG	3-9	1448623	WMT-150-200 L=3000 HST	3-10
1433437	KL-200 L=510 XPG	1-83	1448420	WMT-100-600 L=3000 EG	3-9	1448624	WMT-150-300 L=3000 HST	3-10
1433438	KL-300 L=510 XPG	1-83	1448423	WMT-150-200 L=3000 EG	3-10	1448625	WMT-150-400 L=3000 HST	3-10
1433439	KL-400 L=510 XPG	1-83	1448424	WMT-150-300 L=3000 EG	3-10	1448626	WMT-150-500 L=3000 HST	3-10
1433440	KL-500 L=510 XPG	1-83	1448425	WMT-150-400 L=3000 EG	3-10	1448627	WMT-150-600 L=3000 HST	3-10
1433441	KL-600 L=510 XPG	1-83	1448426	WMT-150-500 L=3000 EG	3-10	1448700	WMT CL1 HST	3-12
1433443	AG XPG	1-44	1448427	WMT-150-600 L=3000 EG	3-10	1448701	WMT UC HDG	3-13
1433444	DPA XPG	1-80	1448499	WMT-30-50 L=3000 HDG	3-7	1448702	WMT UC HST	3-13
1433445	DPA-O XPG	1-81	1448500	WMT-30-70 L=3000 HDG	3-7	1448703	WMT CL HDG	3-12

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1448704	WMT UC1 HDG	3-13	1449123	RS SK EG	1-103, 2-36, 3-27, 4-27	1449240	TFP3 M10 PG	1-75, 3-23
1448705	WMT UC1D HDG	3-14	1449124	RS MEK SK EG	1-103, 2-36, 3-27, 4-27	1449242	MK-210 PG	1-50
1448706	WMT CL HST	3-12	1449125	RS KAP HDG	1-103, 2-36, 3-27, 4-27	1449243	MK-310 PG	1-50
1448707	WMT UC1 HST	3-13	1449127	RS 12 HDG	1-103, 2-36, 3-27, 4-27	1449244	MK-410 PG	1-50
1448708	WMT UC1D HST	3-14	1449130	TP2-L-500 HDG	1-58	1449245	MK-510 PG	1-50
1448709	WMT CL1 HDG	3-12	1449131	TP2-L-1000 HDG	1-58	1449246	MK-610 PG	1-50
1448710	WMT CL EG	3-12	1449132	TP2-L-1500 HDG	1-58	1449249	KK-MK PG	1-54
1448711	WMT UC EG	3-13	1449133	TP2-L-2000 HDG	1-58	1449252	MK-216 PG	1-50
1448712	WMT CL1 EG	3-12	1449134	TP2-L-3000 HDG	1-58	1449253	MK-316 PG	1-50
1448713	WMT UC1 EG	3-13	1449136	ASR-L L=6030 HDG	1-66	1449254	MK-416 PG	1-50
1448714	WMT UC1D EG	3-14	1449137	ASR-P L=6030 HDG	1-66	1449255	MK-516 PG	1-50
1448718	WMT EP4	3-15	1449140	TP2-P-500 HDG	1-59	1449256	MK-616 PG	1-50
1448719	WMT EP5	3-15	1449141	TP2-P-1000 HDG	1-59	1449268	MEK 70 L=3000 B	4-8
1448720	RS 4 EG	1-103, 2-36, 3-27, 4-27	1449142	TP2-P-1500 HDG	1-59	1449269	MEK 70 L=6000 B	4-8
1448721	RS 4 HDG	1-103, 2-36, 3-27, 4-27	1449143	TP2-P-2000 HDG	1-59	1449277	MEK AH-70 XPG	4-21
1448722	RS 4 HST	1-103, 2-36, 3-27, 4-27	1449144	TP2-P-3000 HDG	1-59	1449280	MEK P-70 XPG	4-23
1448723	WMT SC1 EG	3-11	1449150	ST-300 HDG	1-61	1449288	MEK J-70 XPG	4-17
1448724	WMT SC1 HDG	3-11	1449151	ST-500 HDG	1-61	1449290	MEK KA-70 L=3000 XPG	4-23
1448725	WMT SC1 HST	3-11	1449152	ST-800 HDG	1-61	1449296	MEK 70 K L=6000 XPG	4-8
1448726	WMT SC2 EG	3-11	1449153	ST-1500 HDG	1-61	1449303	MEK 70 S L=3000 M	4-7
1448727	WMT SC2 HDG	3-11	1449156	PL HDG	1-63	1449304	MEK 70 S L=3000 PG	4-7
1448728	WMT SC2 HST	3-11	1449157	GT-8 L=2000 EG	1-102, 2-35, 3-26, 4-26	1449305	MEK 70 K L=3000 PG	4-8
1448730	WMT IP1 PG	3-14	1449160	GT-10 L=2000 HDG	1-102, 2-35, 3-26, 4-26	1449306	MEK 70 L=3000 PG	4-9
1448731	WMT IP1 HDG	3-14	1449161	GT-16 L=2000 HDG	1-102, 2-35, 3-26, 4-26	1449307	MEK 110 L=3000 PG	4-10
1448732	WMT IP1 HST	3-14	1449166	MU M10 HDG	1-104, 2-36, 3-27, 4-27	1449308	MEK 70 L=3000 M	4-8
1448740	WMT WB1 PG	3-17	1449167	MU M16 HDG	1-104, 2-36, 3-27, 4-27	1449309	MEK 110 L=3000 M	4-10
1448741	WMT WB1 HDG	3-17	1449168	MU M6 HDG	1-104, 2-36, 3-27, 4-27	1449310	MEK 70 S L=6000 M	4-7
1448742	WMT WB1 HST	3-17	1449200	PK1 HDG	1-70	1449311	MEK 70 K L=6000 PG	4-8
1448744	WMT WB2 XPG	3-17	1449201	KL-150 L=510 PG	1-83	1449312	MEK 70 L=6000 PG	4-9
1448750	WMT CSF-6 EG	3-16	1449202	KL-200 L=510 PG	1-83	1449313	MEK 110 L=6000 PG	4-10
1448751	WMT CSF-6 HDG	3-16	1449203	KL-300 L=510 PG	1-83	1449314	MEK 70 S L=6000 PG	4-7
1448753	WMT CS-10 EG	3-16	1449204	KL-400 L=510 PG	1-83	1449315	MEK 70 L=6000 M	4-8
1448754	WMT CS-10 HDG	3-16	1449205	KL-500 L=510 PG	1-83	1449317	MEK 110 L=6000 M	4-10
1449100	PSK-150 L=3000 PG	1-87	1449206	KL-600 L=510 PG	1-83	1449319	MEK PF-70 PG	4-17
1449101	PSK-200 L=3000 PG	1-87	1449208	AS WALL L=1980 HDG	1-65	1449322	MEK NL PG	4-18
1449102	PSK-300 L=3000 PG	1-87	1449209	TFP2 M8 PG	1-75, 3-23	1449324	MEK NL M	4-18
1449103	PSK-400 L=3000 PG	1-87	1449210	TFP2 M10 PG	1-75, 3-23	1449325	MEK PF-70 M	4-17
1449104	PSK-500 L=3000 PG	1-87	1449211	KS45-150 R=300 HDG	1-28	1449326	MEK PF-110 PG	4-17
1449105	PSK-600 L=3000 PG	1-87	1449212	KS45-200 R=300 HDG	1-28	1449327	MEK PF-110 M	4-17
1449108	RS MEK J 10 EG	1-103, 2-36, 3-27, 4-27	1449213	KS45-300 R=300 HDG	1-28	1449329	MEK KR-70	4-11
1449111	RS SSU HDG	1-103, 2-36, 3-27, 4-27	1449214	KS45-400 R=300 HDG	1-28	1449330	MEK KR-70 M	4-11
1449112	RS VK2 HDG	1-103, 2-36, 3-27, 4-27	1449215	KS45-500 R=300 HDG	1-28	1449332	MEK TR-70	4-12
1449113	RS SMT HDG	1-103, 2-36, 3-27, 4-27	1449216	KS45-600 R=300 HDG	1-28	1449333	MEK TR-70 M	4-12
1449114	RS MEK VM EG	1-103, 2-36, 3-27, 4-27	1449220	AS-TF HDG	1-62	1449335	MEK XR-70	4-12
1449115	RS KSF HDG	1-103, 2-36, 3-27, 4-27	1449221	PK3 HDG	1-71	1449336	MEK XR-70 M	4-12
1449122	RS TKU M	1-103, 2-36, 3-27, 4-27	1449228	DP-GT PG	1-83	1449337	MEK RPF-70-10 PG	4-16
			1449229	FDC PG	1-79	1449338	MEK RPF-70-10 M	4-16
						1449339	MEK KA-70 L=3000 M	4-23
						1449340	MEK KA-110 L=3000 M	4-23
						1449342	MEK KU-110 PG	4-11
						1449343	MEK RPF-110-10 PG	4-16
						1449344	MEK RPF-110-10 M	4-16
						1449345	MEK RPF-70-8 PG	4-16
						1449347	MEK KU-110 M	4-11

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1449350	MEK RPF-110-8 PG	4-16	1449452	KSV-200 R=300 HDG	1-34	1449524	KS80-400 L=6000 HDG	1-24
1449351	MEK J-70 PG	4-17	1449453	KSV-300 R=300 HDG	1-34	1449525	KS80-500 L=6000 HDG	1-24
1449352	MEK J-110 PG	4-17	1449454	KSV-400 R=300 HDG	1-34	1449526	KS80-600 L=6000 HDG	1-24
1449353	MEK VR PG	4-15	1449455	KSV-500 R=300 HDG	1-34	1449527	KS80-700 L=6000 HDG	1-24
1449354	MEK VM-L PG	4-21	1449456	KSV-600 R=300 HDG	1-34	1449528	KS80-800 L=6000 HDG	1-24
1449355	MEK VM PG	4-20	1449462	HK13-216 PG	1-49	1449529	KS80-900 L=6000 HDG	1-24
1449356	MEK RK-70 PG	4-16	1449463	HK13-316 PG	1-49	1449530	KS80-1000 L=6000 HDG	1-24
1449357	MEK RK-110 PG	4-16	1449464	HK13-416 PG	1-49	1449532	KSF80-200 L=6000 HDG	1-27
1449358	MEK RK-70 XPG	4-16	1449465	HK13-516 PG	1-49	1449533	KSF80-300 L=6000 HDG	1-27
1449359	MEK KA-70 L=3000 PG	4-23	1449466	HK13-616 PG	1-49	1449534	KSF80-400 L=6000 HDG	1-27
1449360	MEK KA-110 L=3000 PG	4-23	1449467	HK13-710 HDG	1-49	1449535	KSF80-500 L=6000 HDG	1-27
1449361	MEK SK-70 PG	3-19, 4-15	1449469	HK13-910 HDG	1-49	1449536	KSF80-600 L=6000 HDG	1-27
1449362	MEK SK-110 PG	3-19, 4-15	1449470	HK13-810 HDG	1-49	1449541	KS90-150 R=600 HDG	1-29
1449373	MEK PK PG	4-14	1449471	HK13-1010 HDG	1-49	1449542	KS90-200 R=600 HDG	1-29
1449374	MEK PK M	4-14	1449472	HK13-210 PG	1-49	1449543	KS90-300 R=600 HDG	1-29
1449379	MEK SK-70 M	3-19, 4-15	1449473	HK13-310 PG	1-49	1449544	KS90-400 R=600 HDG	1-29
1449380	MEK SK-110 M	3-19, 4-15	1449474	HK13-410 PG	1-49	1449545	KS90-500 R=600 HDG	1-29
1449383	MEK T PG	4-13	1449475	HK13-510 PG	1-49	1449546	KS90-600 R=600 HDG	1-29
1449384	MEK T M	4-13	1449476	HK13-610 PG	1-49	1449547	KS90-150 R=300 HDG	1-29
1449389	MEK RK-70 M	4-16	1449478	RTF-S PG	1-74	1449548	KS90-200 R=300 HDG	1-29
1449390	MEK RK-110 M	4-16	1449479	VK2 PG	1-52	1449549	KS90-300 R=300 HDG	1-29
1449393	MEK KL MU	4-20	1449480	NL PG	1-42	1449550	KS90-400 R=300 HDG	1-29
1449394	MEK P-70 PG	4-23	1449481	SSC PG	1-37	1449551	KS90-500 R=300 HDG	1-29
1449397	MEK P-70 M	4-23	1449482	SSR PG	1-36	1449552	KS90-600 R=300 HDG	1-29
1449398	MEK P-110 PG	4-23	1449484	RTF-10 PG	1-72, 2-29, 4-22	1449560	KS90-200 R=100 HDG	1-29
1449400	MEK P-110 M	4-23	1449486	KK PG	1-53	1449561	KS90-300 R=100 HDG	1-29
1449401	KS20-200 L=3000 PG	1-21	1449487	TPK-700 HDG	1-51	1449562	KS90-400 R=100 HDG	1-29
1449402	KS20-300 L=3000 PG	1-21	1449488	TPK-800 HDG	1-51	1449563	KS90-500 R=100 HDG	1-29
1449403	KS20-400 L=3000 PG	1-21	1449489	TPK-900 HDG	1-51	1449564	KS90-600 R=100 HDG	1-29
1449404	KS20-500 L=3000 PG	1-21	1449490	ASR-P-TF HDG	1-63	1449568	KST-150 R=300 HDG	1-31
1449405	KS20-600 L=3000 PG	1-21	1449491	TPK-1000 HDG	1-51	1449569	KST-200 R=300 HDG	1-31
1449406	KS80-150 L=3000 HDG	1-24	1449492	TPK-200 HDG	1-51	1449570	KST-300 R=300 HDG	1-31
1449407	KS80-200 L=3000 HDG	1-24	1449493	TPK-300 HDG	1-51	1449571	KST-400 R=300 HDG	1-31
1449408	KS80-300 L=3000 HDG	1-24	1449494	TPK-400 HDG	1-51	1449572	KST-500 R=300 HDG	1-31
1449409	KS80-400 L=3000 HDG	1-24	1449495	TPK-500 HDG	1-51	1449573	KST-600 R=300 HDG	1-31
1449410	KS80-500 L=3000 HDG	1-24	1449496	TPK-600 HDG	1-51	1449576	KSX-150 R=300 HDG	1-33
1449411	KS80-600 L=3000 HDG	1-24	1449497	HK1-300 HDG	1-60, 3-22	1449577	KSX-200 R=300 HDG	1-33
1449412	POL-200 L=3000 PG	1-96	1449498	HK1-500 HDG	1-60, 3-22	1449578	KSX-300 R=300 HDG	1-33
1449413	POL-300 L=3000 PG	1-96	1449499	HK1-750 HDG	1-60, 3-22	1449579	KSX-400 R=300 HDG	1-33
1449414	POL-400 L=3000 PG	1-96	1449500	HK1-1000 HDG	1-60, 3-22	1449580	KSX-500 R=300 HDG	1-33
1449415	POL-500 L=3000 PG	1-96	1449502	KS20-200 L=6000 PG	1-21	1449581	KSX-600 R=300 HDG	1-33
1449416	POL-600 L=3000 PG	1-96	1449503	KS20-300 L=6000 PG	1-21	1449582	KST-150 R=600 HDG	1-31
1449417	POL-150 L=3000 PG	1-96	1449504	KS20-400 L=6000 PG	1-21	1449583	KST-200 R=600 HDG	1-31
1449436	VKI-200 PG	1-44	1449505	KS20-500 L=6000 PG	1-21	1449584	KST-300 R=600 HDG	1-31
1449437	VKI-300 PG	1-44	1449506	KS20-600 L=6000 PG	1-21	1449585	KST-400 R=600 HDG	1-31
1449438	VKI-400 PG	1-44	1449507	KS80-200 SP2.0 L=6000 HDG	1-25	1449586	KST-500 R=600 HDG	1-31
1449439	VKI-500 PG	1-44	1449508	KS80-300 SP2.0 L=6000 HDG	1-25	1449587	KST-600 R=600 HDG	1-31
1449440	VKI-600 PG	1-44	1449509	KS80-400 SP2.0 L=6000 HDG	1-25	1449590	VK-150 2KN HDG	1-45, 3-19
1449441	KSF90-200 R=300 HDG	1-30	1449510	KS80-500 SP2.0 L=6000 HDG	1-25	1449591	VK-200 2KN HDG	1-45, 3-19
1449442	KSF90-300 R=300 HDG	1-30	1449511	KS80-600 SP2.0 L=6000 HDG	1-25	1449592	VK-300 2KN HDG	1-45, 3-19
1449443	KSF90-400 R=300 HDG	1-30	1449512	KS80-150 L=6000 HDG	1-24	1449593	VK-400 2KN HDG	1-45, 3-19
1449444	KSF90-500 R=300 HDG	1-30	1449522	KS80-200 L=6000 HDG	1-24	1449594	VK-500 2KN HDG	1-45, 3-19
1449445	KSF90-600 R=300 HDG	1-30	1449523	KS80-300 L=6000 HDG	1-24	1449595	VK-600 2KN HDG	1-45, 3-19
1449451	KSV-150 R=300 HDG	1-34				1449601	TP1-250 HDG	1-56

Index ordered by product code

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
1449602	TP1-500 HDG	1-56	1449664	TFP PG	1-74	1449717	EP	1-100
1449603	TP1-750 HDG	1-56	1449665	ASR-TF HDG	1-62	1449718	AP-40 L=1750 PG	1-98, 2-31
1449604	TP1-1000 HDG	1-56	1449666	VF HDG	1-41	1449726	SP-TP1	1-101
1449606	TP1-1500 HDG	1-56	1449667	NL HDG	1-42	1449727	SP-TP2	1-101
1449608	TP1-2000 HDG	1-56	1449668	VK3 HDG	1-52	1449728	SP-TP2-P	1-102
1449610	TP2-500 HDG	1-57, 3-21	1449669	SSR HDG	1-36	1449799	PE HDG	1-99, 3-15
1449613	TP2-1000 HDG	1-57, 3-21	1449670	SSU HDG	1-36	1449807	KS90-700 R=300 HDG	1-29
1449615	TP2-1500 HDG	1-57, 3-21	1449671	VK2 HDG	1-52	1449808	KS90-800 R=300 HDG	1-29
1449617	TP2-2000 HDG	1-57, 3-21	1449672	SP	1-100	1449809	KS90-900 R=300 HDG	1-29
1449618	TP2-3000 HDG	1-57, 3-21	1449673	JK HDG	1-60	1449810	KS90-1000 R=300 HDG	1-29
1449619	FP L=1980 PG	1-68	1449675	VEF 2 HDG	1-41	1449817	KST-700 R=300 HDG	1-31
1449620	FP L=1980 HDG	1-68	1449676	KK HDG	1-53	1449818	KST-800 R=300 HDG	1-31
1449621	CK L=995 PG	1-68	1449678	KKF HDG	1-55	1449819	KST-900 R=300 HDG	1-31
1449622	VKF-200 4KN HDG	1-46	1449679	ÄF HDG	1-40	1449820	KST-1000 R=300 HDG	1-31
1449623	VKF-300 4KN HDG	1-46	1449680	VFF HDG	1-43	1449827	KSX-700 R=300 HDG	1-33
1449624	VKF-400 4KN HDG	1-46	1449681	ÄP	1-100	1449828	KSX-800 R=300 HDG	1-33
1449625	VKF-500 4KN HDG	1-46	1449682	KSF-VT HDG	1-55	1449829	KSX-900 R=300 HDG	1-33
1449626	VKF-600 4KN HDG	1-46	1449683	AKM HDG	1-67	1449830	KSX-1000 R=300 HDG	1-33
1449627	VKF-700 4KN HDG	1-46	1449684	SMT HDG	1-67, 3-25	1449837	KST-700 R=600 HDG	1-31
1449628	VKF-800 4KN HDG	1-46	1449685	DPA PG	1-80	1449838	KST-800 R=600 HDG	1-31
1449629	VKF-900 4KN HDG	1-46	1449686	DPA-O PG	1-81	1449839	KST-900 R=600 HDG	1-31
1449630	VKF-1000 4KN HDG	1-46	1449687	DPB PG	1-82	1449840	KST-1000 R=600 HDG	1-31
1449631	PK1 EG	1-70	1449689	DPB-O PG	1-82	1449847	KS90-700 R=600 HDG	1-29
1449632	PK2 HDG	1-71	1449690	AG PG	1-44	1449848	KS90-800 R=600 HDG	1-29
1449633	HK2-300 HDG	1-61, 3-22	1449691	AS L=1980 HDG	1-64	1449849	KS90-900 R=600 HDG	1-29
1449635	HK2-500 HDG	1-61, 3-22	1449692	HK13-216 HDG	1-49	1449850	KS90-1000 R=600 HDG	1-29
1449637	HK2-750 HDG	1-61, 3-22	1449693	HK13-316 HDG	1-49	1449890	VF PG	1-41
1449640	HK2-1000 HDG	1-61, 3-22	1449694	HK13-416 HDG	1-49	1449891	KSE80-150 L=6000 HDG	1-26
1449641	HK13-150 HDG	1-49	1449695	HK13-516 HDG	1-49	1449892	KSE80-200 L=6000 HDG	1-26
1449642	HK13-210 HDG	1-49	1449696	HK13-616 HDG	1-49	1449893	KSE80-300 L=6000 HDG	1-26
1449643	HK13-310 HDG	1-49	1449697	RS 1 HDG	1-103, 2-36, 3-27, 4-27	1449894	KSE80-400 L=6000 HDG	1-26
1449644	HK13-410 HDG	1-49	1449698	RS 2 HDG	1-103, 2-36, 3-27, 4-27	1449895	KSE80-500 L=6000 HDG	1-26
1449645	HK13-510 HDG	1-49	1449699	RS 3 HDG	1-103, 2-36, 3-27, 4-27	1449896	KSE80-600 L=6000 HDG	1-26
1449646	HK13-610 HDG	1-49	1449700	KAP PG	1-84	1449900	KAP HDG	1-84
1449647	AS K L=3015 PG	1-64	1449701	SR-50 L=2000 PG	1-97	1449970	PRT-200 PG	1-51, 2-17, 3-24
1449648	AS L=6030 HDG	1-64	1449702	SR-100 L=2000 PG	1-97	1449971	PRT-300 PG	1-51, 2-17, 3-24
1449649	TB HDG	1-67	1449703	SR-150 L=2000 PG	1-97	1449972	PRT-400 PG	1-51, 2-17, 3-24
1449650	GT-10 L=2000 EG	1-102, 2-35, 3-26, 4-26	1449704	JM M10 EG	1-104, 2-37, 3-28, 4-28	1449973	PRT-500 PG	1-51, 2-17, 3-24
1449651	GT-16 L=2000 EG	1-102, 2-35, 3-26, 4-26	1449705	JM M16 EG	1-104, 2-37, 3-28, 4-28	1449974	PRT-600 PG	1-51, 2-17, 3-24
1449652	RTF-10 HDG	1-72, 4-22	1449706	HTK-AS HDG	1-76	1449980	HK13-1016 HDG	1-49
1449653	RTF-16 HDG	1-73, 2-29	1449707	HTK-LK HDG	1-77	1449987	HK13-716 HDG	1-49
1449654	RTF-S HDG	1-74	1449708	HTK-SK HDG	1-77	1449988	HK13-816 HDG	1-49
1449655	SSA HDG	1-37	1449709	MEKA SPRAY ZN	1-102, 2-35, 3-26, 4-26	1449989	HK13-916 HDG	1-49
1449656	RTF-Z HDG	1-73, 2-29, 4-22	1449710	AP-40 L=2750 PG	1-98, 2-31	1449991	MU M8 EG	1-104, 2-36, 3-27, 4-27
1449657	FM-100 HDG	1-39	1449711	SK-150 L=1550 PG	1-86	1449992	MU M10 EG	1-104, 2-36, 3-27, 4-27
1449658	FM-200 HDG	1-39	1449712	SK-200 L=1550 PG	1-86	1449993	MU M16 EG	1-104, 2-36, 3-27, 4-27
1449659	FM-300 HDG	1-39	1449713	SK-300 L=1550 PG	1-86	1459032	INSTAL 100 L=3000 M PW	5-15
1449660	ASR L=6030 HDG	1-65	1449714	SK-400 L=1550 PG	1-86	1459033	INSTAL 130 L=3000 M PW	5-16
1449661	AS L=3015 HDG	1-64	1449715	SK-500 L=1550 PG	1-86			
1449662	NL-TK HDG	1-42	1449716	SK-600 L=1550 PG	1-86			
1449663	KSF-NL HDG	1-43						

Index ordered by product code

CODE	PRODUCT	PAGE
1459034	INSTAL 100 L=3000 AD	5-15
1459035	INSTAL 130 L=3000 AD	5-16
1459036	INSTAL P 100 M	5-20
1459037	INSTAL P 130 M	5-20
1459038	INSTAL P 100 AD	5-20
1459039	INSTAL P 130 AD	5-20
1459045	INSTAL UT 100 M	5-23
1459046	INSTAL UT 130 M	5-23
1459047	INSTAL UT 100 AD	5-23
1459048	INSTAL UT 130 AD	5-23
1459051	INSTAL KU 100 M PW	5-21
1459052	INSTAL KU 130 M PW	5-21
1459053	INSTAL KU 100 AD	5-21
1459054	INSTAL KU 130 AD	5-21
1459055	INSTAL LVK 100	5-22
1459056	INSTAL LVK 130	5-22
1459057	INSTAL LK 100	5-22
1459058	INSTAL LK 130	5-22
1459068	INSTAL 100 L=3000 B	5-15
1459069	INSTAL 130 L=3000 B	5-16
1459070	INSTAL P 100 B	5-20
1459071	INSTAL P 130 B	5-20
1459072	INSTAL KU 100 B	5-21
1459073	INSTAL KU 130 B	5-21
1459420	GT-6 L=1000 EG	1-102, 2-35, 3-26, 4-26
1459425	JM M6 EG	1-104, 2-37, 3-28, 4-28
1459426	SS-6 W	1-103, 2-35, 3-26, 4-26
1459427	MU M6 EG	1-104, 2-36, 3-27, 4-27
1461660	AP-40 L=2750 M	1-98, 2-31
1470352	RS 5 EG	1-103, 2-36, 3-27, 4-27
1470353	RS 5 HDG	1-103, 2-36, 3-27, 4-27
1470354	RS 5 HST	1-103, 2-36, 3-27, 4-27
1478105	KS100-200 L=6000 PG	1-23
1478106	KS100-300 L=6000 PG	1-23
1478107	KS100-400 L=6000 PG	1-23
1478108	KS100-500 L=6000 PG	1-23
1478109	KS100-600 L=6000 PG	1-23
1478125	KS100 J PG	1-38
1478128	KS100 VEF PG	1-40
1478129	KS100 KK PG	1-54
1478130	KS100 UB PG	1-53
1478132	KS100 FM-100 PG	1-39
1478133	KS100 FM-200 PG	1-39
1478134	KS100 FM-300 PG	1-39
1478135	KS100 DPA PG	1-80
1478136	KS100 DPA-O PG	1-81
1478162	KS100 J XPG	1-38
1478165	KS100 VEF XPG	1-40
1478166	KS100 KK XPG	1-54

CODE	PRODUCT	PAGE
1478167	KS100 UB XPG	1-53
1478169	KS100 FM-100 XPG	1-39
1478170	KS100 FM-200 XPG	1-39
1478171	KS100 FM-300 XPG	1-39
1478172	KS100 DPA XPG	1-80
1478173	KS100 DPA-O XPG	1-81
1478179	KS100-200 L=6000 HDG	1-23
1478180	KS100-300 L=6000 HDG	1-23
1478181	KS100-400 L=6000 HDG	1-23
1478182	KS100-500 L=6000 HDG	1-23
1478183	KS100-600 L=6000 HDG	1-23

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
AG PG	1449690	1-44	CCA-40 PG	1342007	1-78	HK13-310 HDG	1449643	1-49
AG XPG	1433443	1-44	CCA-46 PG	1342008	1-78	HK13-310 PG	1449473	1-49
AKM HDG	1449683	1-67	CCA-52 PG	1342009	1-78	HK13-316 HDG	1449693	1-49
AL M10 EG	1342094	1-104, 2-37, 3-28, 4-28	CCA-60 PG	1342010	1-78	HK13-316 PG	1449463	1-49
AL M10 HDG	1342095	1-104, 2-37, 3-28, 4-28	CCA-82 PG	1342011	1-78	HK13-410 HDG	1449644	1-49
AL M16 EG	1342097	1-104, 2-37, 3-28, 4-28	CCB-12 PG	1342020	1-79,3-24	HK13-410 PG	1449474	1-49
AL M16 HDG	1342098	1-104, 2-37, 3-28, 4-28	CCB-14 PG	1342021	1-79,3-24	HK13-416 HDG	1449694	1-49
AL M6 EG	1342088	1-104, 2-37, 3-28, 4-28	CCB-18 PG	1342022	1-79,3-24	HK13-416 PG	1449464	1-49
AL M6 HDG	1342089	1-104, 2-37, 3-28, 4-28	CCB-22 PG	1342023	1-79,3-24	HK13-510 HDG	1449645	1-49
AL M8 EG	1342091	1-104, 2-37, 3-28, 4-28	CCB-26 PG	1342024	1-79,3-24	HK13-510 PG	1449475	1-49
ALUMEK 50 L=6000	1429171	4-24	CCB-30 PG	1342025	1-79,3-24	HK13-516 HDG	1449695	1-49
ALUMEK 50 L=6000 M	1429170	4-24	CCB-34 PG	1342026	1-79,3-24	HK13-516 PG	1449465	1-49
ALUMEK J	1429174	4-24	CCB-40 PG	1342027	1-79,3-24	HK13-610 HDG	1449646	1-49
ALUMEK KA-45 L=3000 AD	1429460	4-25	CCB-46 PG	1342028	1-79,3-24	HK13-610 PG	1449476	1-49
ALUMEK KA-45 L=3000 M	1429461	4-25	CCB-52 PG	1342029	1-79,3-24	HK13-616 HDG	1449696	1-49
ALUMEK RK	1429175	4-25	CCB-60 PG	1342030	1-79,3-24	HK13-616 PG	1449466	1-49
AP-40 L=1750 PG	1449718	1-98, 2-31	CK L=995 PG	1449621	1-68	HK13-710 HDG	1449467	1-49
AP-40 L=2750 M	1461660	1-98, 2-31	DP-GT PG	1449228	1-83	HK13-716 HDG	1449987	1-49
AP-40 L=2750 PG	1449710	1-98, 2-31	DPA PG	1449685	1-80	HK13-810 HDG	1449470	1-49
AP-60 L=2000 M	1432740	1-98, 2-31	DPA XPG	1433444	1-80	HK13-816 HDG	1449988	1-49
AP-60 L=2000 PG	1432737	1-98, 2-31	DPA-O PG	1449686	1-81	HK13-910 HDG	1449469	1-49
APJ-40 M	1431681	1-98, 2-31	DPA-O XPG	1433445	1-81	HK13-916 HDG	1449989	1-49
APJ-40 PG	1431680	1-98, 2-31	DPB PG	1449687	1-82	HK2-1000 HDG	1449640	1-61, 3-22
APJ-40 XPG	1433466	1-98	DPB XPG	1433446	1-82	HK2-300 HDG	1449633	1-61, 3-22
APT-100 PG	1431671	2-32	DPB-O PG	1449689	1-82	HK2-500 HDG	1449635	1-61, 3-22
APT-200 PG	1431672	2-32	DPB-O XPG	1433447	1-82	HK2-750 HDG	1449637	1-61, 3-22
APT-300 PG	1431673	2-32	EP	1449717	1-100	HST AL M10	1342096	1-104, 2-37, 3-28, 4-28
APT-400 PG	1431674	2-32	FDC PG	1449229	1-79	HST AL M16	1342099	1-104, 2-37, 3-28, 4-28
APT-500 PG	1431675	2-32	FM-100 HDG	1449657	1-39	HST AL M6	1342090	1-104, 2-37, 3-28, 4-28
APT-600 PG	1431676	2-32	FM-200 HDG	1449658	1-39	HST AP-40 L=2000	1430401	1-98
AS K L=3015 PG	1449647	1-64	FM-300 HDG	1449659	1-39	HST AS L=6030	1430410	1-64
AS L=1980 HDG	1449691	1-64	FP L=1980 HDG	1449620	1-68	HST AS WALL L=1980	1430409	1-65
AS L=3015 HDG	1449661	1-64	FP L=1980 PG	1449619	1-68	HST ASR L=6030	1430411	1-65
AS L=6030 HDG	1449648	1-64	GT-10 L=2000 EG	1449650	1-102, 2-35, 3-26, 4-26	HST ASR-TF	1430316	1-62
AS WALL L=1980 HDG	1449208	1-65	GT-10 L=2000 HDG	1449160	1-102, 2-35, 3-26, 4-26	HST CCA-12	1342076	1-78
AS-TF HDG	1449220	1-62	GT-16 L=2000 EG	1449651	1-102, 2-35, 3-26, 4-26	HST CCA-14	1342077	1-78
ASR L=6030 HDG	1449660	1-65	GT-16 L=2000 HDG	1449161	1-102, 2-35, 3-26, 4-26	HST CCA-18	1342078	1-78
ASR-L L=6030 HDG	1449136	1-66	GT-6 L=1000 EG	1459420	1-102, 2-35, 3-26, 4-26	HST CCA-22	1342079	1-78
ASR-P L=6030 HDG	1449137	1-66	GT-8 L=2000 EG	1449157	1-102, 2-35, 3-26, 4-26	HST CCA-26	1342080	1-78
ASR-P-TF HDG	1449490	1-63	HK1-1000 HDG	1449500	1-60, 3-22	HST CCA-30	1342081	1-78
ASR-TF HDG	1449665	1-62	HK1-300 HDG	1449497	1-60, 3-22	HST CCA-34	1342082	1-78
BASIC EC	1433241	5-26	HK1-500 HDG	1449498	1-60, 3-22	HST CCA-40	1342083	1-78
BASIC MB	1433240	5-26	HK1-750 HDG	1449499	1-60, 3-22	HST CCA-46	1342084	1-78
CCA-12 PG	1342000	1-78	HK13-1010 HDG	1449471	1-49	HST CCA-52	1342085	1-78
CCA-14 PG	1342001	1-78	HK13-1016 HDG	1449980	1-49	HST CCA-60	1342086	1-78
CCA-18 PG	1342002	1-78	HK13-150 HDG	1449641	1-49	HST CCA-82	1342087	1-78
CCA-22 PG	1342003	1-78	HK13-210 HDG	1449642	1-49	HST DPA	1430314	1-80
CCA-26 PG	1342004	1-78	HK13-210 PG	1449472	1-49	HST DPB	1430315	1-82
CCA-30 PG	1342005	1-78	HK13-216 HDG	1449692	1-49	HST FDC	1430441	1-79
CCA-34 PG	1342006	1-78	HK13-216 PG	1449462	1-49	HST FP L=1980	1430414	1-68
						HST GT-10 L=2000	1430420	1-102, 2-35, 3-26, 4-26

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
HST GT-16 L=2000	1430421	1-102, 2-35, 3-26, 4-26	HST KSF80-400 L=6000	1430024	1-27	HST RS KSF	1430438	1-103, 2-36, 3-27, 4-27
HST GT-6 L=1000	1430418	1-102, 2-35, 3-26, 4-26	HST KSF80-500 L=6000	1430025	1-27	HST RS SMT	1430433	1-103, 2-36, 3-27, 4-27
HST HK13-216	1430252	1-49	HST KSF80-600 L=6000	1430026	1-27	HST RS SSU	1430431	1-103, 2-36, 3-27, 4-27
HST HK13-316	1430253	1-49	HST KST-150 R=300	1430091	1-31	HST RS VK2	1430432	1-103, 2-36, 3-27, 4-27
HST HK13-416	1430254	1-49	HST KST-200 R=300	1430092	1-31	HST RTF-10	1430305	1-72, 4-22
HST HK13-516	1430255	1-49	HST KST-300 R=300	1430093	1-31	HST RTF-16	1430306	1-73
HST HK13-616	1430256	1-49	HST KST-400 R=300	1430094	1-31	HST SK-150 L=1500	1430361	1-86
HST HTK-SK	1430442	1-77	HST KST-500 R=300	1430095	1-31	HST SK-200 L=1500	1430362	1-86
HST JK	1430293	1-60	HST KST-600 R=300	1430096	1-31	HST SK-300 L=1500	1430363	1-86
HST JM M10	1430434	1-104, 2-37, 3-28, 4-28	HST KSTE-150 R=300	1430121	1-32	HST SK-400 L=1500	1430364	1-86
HST JM M16	1430435	1-104, 2-37, 3-28, 4-28	HST KSTE-200 R=300	1430122	1-32	HST SK-500 L=1500	1430365	1-86
HST JM M6	1430427	1-104, 2-37, 3-28, 4-28	HST KSTE-300 R=300	1430123	1-32	HST SK-600 L=1500	1430366	1-86
HST KAP	1430327	1-84	HST KSTE-400 R=300	1430124	1-32	HST SMT	1430422	1-67, 3-25
HST KK	1430300	1-53	HST KSTE-500 R=300	1430125	1-32	HST SR-100 L=2000	1430403	1-97
HST KKF	1430302	1-55	HST KSTE-600 R=300	1430126	1-32	HST SR-150 L=2000	1430404	1-97
HST KS20-200 L=6000	1430012	1-21	HST KSVIE-150 R=300	1430141	1-34	HST SR-50 L=2000	1430402	1-97
HST KS20-300 L=6000	1430013	1-21	HST KSVIE-200 R=300	1430142	1-34	HST SSR	1430290	1-36
HST KS20-400 L=6000	1430014	1-21	HST KSVIE-300 R=300	1430143	1-34	HST SSU	1430291	1-36
HST KS20-500 L=6000	1430015	1-21	HST KSVIE-400 R=300	1430144	1-34	HST TP1-1000	1430193	1-56
HST KS20-600 L=6000	1430016	1-21	HST KSVIE-500 R=300	1430145	1-34	HST TP1-1500	1430194	1-56
HST KS80-1000 L=6000	1430010	1-24	HST KSVIE-600 R=300	1430146	1-34	HST TP1-2000	1430195	1-56
HST KS80-150 L=6000	1430001	1-24	HST KSVIE-150 R=300	1430151	1-35	HST TP1-250	1430190	1-56
HST KS80-200 L=6000	1430002	1-24	HST KSVIE-200 R=300	1430152	1-35	HST TP1-500	1430191	1-56
HST KS80-300 L=6000	1430003	1-24	HST KSVIE-300 R=300	1430153	1-35	HST TP1-750	1430192	1-56
HST KS80-400 L=6000	1430004	1-24	HST KSVIE-400 R=300	1430154	1-35	HST TP2-1000	1430201	1-57, 3-21
HST KS80-500 L=6000	1430005	1-24	HST KSVIE-500 R=300	1430155	1-35	HST TP2-1500	1430202	1-57, 3-21
HST KS80-600 L=6000	1430006	1-24	HST KSVIE-600 R=300	1430156	1-35	HST TP2-2000	1430203	1-57, 3-21
HST KS90-150 R=300	1430051	1-29	HST KSXE-150 R=300	1430131	1-33	HST TP2-3000	1430204	1-57, 3-21
HST KS90-200 R=300	1430052	1-29	HST KSXE-200 R=300	1430132	1-33	HST TP2-500	1430200	1-57, 3-21
HST KS90-300 R=300	1430053	1-29	HST KSXE-300 R=300	1430133	1-33	HST TPK-200	1430262	1-51
HST KS90-400 R=300	1430054	1-29	HST KSXE-400 R=300	1430134	1-33	HST TPK-300	1430263	1-51
HST KS90-500 R=300	1430055	1-29	HST KSXE-500 R=300	1430135	1-33	HST TPK-400	1430264	1-51
HST KS90-600 R=300	1430056	1-29	HST KSXE-600 R=300	1430136	1-33	HST TPK-500	1430265	1-51
HST KSE80-150 L=6000	1430101	1-26	HST MEK 70 L=6000	1430570	4-9	HST TPK-600	1430266	1-51
HST KSE80-200 L=6000	1430102	1-26	HST MEK J-70	1430584	4-17	HST VF	1430310	1-41
HST KSE80-300 L=6000	1430103	1-26	HST MEK KU-70	1430580	4-11	HST VFF	1430311	1-43
HST KSE80-400 L=6000	1430104	1-26	HST MEK NL	1430585	4-18	HST VK2	1430303	1-52
HST KSE80-500 L=6000	1430105	1-26	HST MEK PK	1430583	4-14	HST VK3	1430304	1-52
HST KSE80-600 L=6000	1430106	1-26	HST MEK RK-70	1430582	4-16	HST VKF-1000 4KN	1430180	1-46
HST KSE90-150 R=300	1430111	1-30	HST MEK T	1430581	4-13	HST VKF-200 4KN	1430172	1-46
HST KSE90-200 R=300	1430112	1-30	HST MEK VM	1430587	4-20	HST VKF-300 4KN	1430173	1-46
HST KSE90-300 R=300	1430113	1-30	HST MU M10	1430436	1-104, 2-36, 3-27, 4-27	HST VKF-400 4KN	1430174	1-46
HST KSE90-400 R=300	1430114	1-30	HST MU M16	1430437	1-104, 2-36, 3-27, 4-27	HST VKF-500 4KN	1430175	1-46
HST KSE90-500 R=300	1430115	1-30	HST MU M6	1430426	1-104, 2-36, 3-27, 4-27	HST VKF-600 4KN	1430176	1-46
HST KSE90-600 R=300	1430116	1-30	HST NL	1430294	1-42	HST VKF-700 4KN	1430177	1-46
HST KSF-NL	1430317	1-43	HST RDP-0	1430586	4-19	HST VKF-800 4KN	1430178	1-46
HST KSF-VT	1430312	1-55	HST RS 1	1430428	1-103, 2-36, 3-27, 4-27	HST VKF-900 4KN	1430179	1-46
HST KSF80-150 L=6000	1430021	1-27	HST RS 2	1430429	1-103, 2-36, 3-27, 4-27	HST ÄF	1430313	1-40
HST KSF80-200 L=6000	1430022	1-27	HST RS 3	1430430	1-103, 2-36, 3-27, 4-27	HTK-AS HDG	1449706	1-76
HST KSF80-300 L=6000	1430023	1-27				HTK-LK HDG	1449707	1-77
						HTK-SK HDG	1449708	1-77

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
INSTAL 100 L=3000 AD	1459034	5-15	INSTAL ML	1429276	5-26	INSTAL SP45-4E L=2300 M	1431954	5-34
INSTAL 100 L=3000 B	1459068	5-15	INSTAL P 100 AD	1459038	5-20	INSTAL UT 100 AD	1459047	5-23
INSTAL 100 L=3000 M PW	1459032	5-15	INSTAL P 100 B	1459070	5-20	INSTAL UT 100 M	1459045	5-23
INSTAL 108-45 L=3000 AD	1429514	5-15	INSTAL P 100 M	1459036	5-20	INSTAL UT 108 AD	1429681	5-23
INSTAL 108-45 L=3000 M PW	1429554	5-15	INSTAL P 108 AD	1429651	5-20	INSTAL UT 108 M	1429781	5-23
INSTAL 130 L=3000 AD	1459035	5-16	INSTAL P 108 M	1429721	5-20	INSTAL UT 130 AD	1459048	5-23
INSTAL 130 L=3000 B	1459069	5-16	INSTAL P 130 AD	1459039	5-20	INSTAL UT 130 M	1459046	5-23
INSTAL 130 L=3000 M PW	1459033	5-16	INSTAL P 130 B	1459071	5-20	INSTAL UT 144 AD	1429682	5-23
INSTAL 144-2-45 L=3000 AD	1429516	5-16	INSTAL P 130 M	1459037	5-20	INSTAL UT 144 M	1429782	5-23
INSTAL 144-2-45 L=3000 M PW	1429556	5-16	INSTAL P 144 AD	1429652	5-20	INSTAL UT 170 AD	1429683	5-23
INSTAL 170-1 L=3000 AD	1429603	5-17	INSTAL P 144 M	1429722	5-20	INSTAL UT 170 M	1429783	5-23
INSTAL 170-1 L=3000 M PW	1429582	5-17	INSTAL P 170 AD	1429653	5-20	INSTAL UT 210 AD	1429685	5-23
INSTAL 170-2-45 L=3000 AD	1429606	5-17	INSTAL P 170 M	1429723	5-20	INSTAL UT 210 M	1429785	5-23
INSTAL 170-2-45 L=3000 M PW	1429584	5-17	INSTAL P 210 AD	1429655	5-20	INSTAL VS L=1000 M PW	1429543	5-22
INSTAL 210-2 L=3000 AD	1429605	5-18	INSTAL P 210 M	1429725	5-20	INSTAL VS2 L=1000 M PW	1429544	5-22
INSTAL 210-2 L=3000 M PW	1429593	5-18	INSTAL PS L=3000 AD	1429670	5-24	JK HDG	1449673	1-60
INSTAL CH	1429451	5-25	INSTAL PS L=3000 M PW	1429595	5-24	JM M10 EG	1449704	1-104, 2-37, 3-28, 4-28
INSTAL FT 40 L=2700 M PW	1429594	5-18	INSTAL PSJ	1429771	5-24	JM M10 HDG	1431748	1-104, 2-37, 3-28, 4-28
INSTAL J	1429769	5-19	INSTAL SK 100	1429764	5-23	JM M10 M	1431746	1-104, 2-37, 3-28, 4-28
INSTAL K45 L=3000 AD	1429649	5-19	INSTAL SK 125	1429765	5-23	JM M16 EG	1449705	1-104, 2-37, 3-28, 4-28
INSTAL K45 L=3000 M PW	1429531	5-19	INSTAL SK 20	1429761	5-23	JM M16 HDG	1431749	1-104, 2-37, 3-28, 4-28
INSTAL K45 PRP L=3000 AD	1429599	5-35	INSTAL SK 40	1429762	5-23	JM M16 M	1431747	1-104, 2-37, 3-28, 4-28
INSTAL K45 PRP L=3000 M	1429598	5-35	INSTAL SK 75	1429763	5-23	JM M6 EG	1459425	1-104, 2-37, 3-28, 4-28
INSTAL K80 L=3000 AD	1429680	5-19	INSTAL SL2	1429528	5-24	JM M8 EG	1430062	1-104, 2-37, 3-28, 4-28
INSTAL K80 L=3000 B	1429575	5-19	INSTAL SP P50 FC M	1429504	5-37	K-100 EG	1431841	2-23
INSTAL K80 L=3000 M PW	1429533	5-19	INSTAL SP P50 L=3000 AD	1429579	5-34	K-100 M	1431851	2-23
INSTAL KU 100 AD	1459053	5-21	INSTAL SP P50 L=3000 M	1429578	5-34	K-200 M	1431852	2-23
INSTAL KU 100 B	1459072	5-21	INSTAL SP P50 LE	1429557	5-37	K-200 PG	1431842	2-23
INSTAL KU 100 M PW	1459051	5-21	INSTAL SP P50 MC M	1429518	5-37	K-300 M	1431853	2-23
INSTAL KU 108 AD	1429611	5-21	INSTAL SP P85 FC M	1429505	5-37	K-300 PG	1431843	2-23
INSTAL KU 108 M PW	1429524	5-21	INSTAL SP P85 L=3000 AD	1429581	5-35	K-400 M	1431854	2-23
INSTAL KU 130 AD	1459054	5-21	INSTAL SP P85 L=3000 M	1429580	5-35	K-400 PG	1431844	2-23
INSTAL KU 130 B	1459073	5-21	INSTAL SP P85 LE	1429559	5-37	K-500 M	1431855	2-23
INSTAL KU 130 M PW	1459052	5-21	INSTAL SP P85 MC M	1429506	5-37	K-500 PG	1431845	2-23
INSTAL KU 144 AD	1429612	5-21	INSTAL SP WP P50 L=1500 AD	1429574	5-35	KAP HDG	1449900	1-84
INSTAL KU 144 M PW	1429525	5-21	INSTAL SP WP P50 L=1500 M	1429573	5-35	KAP PG	1449700	1-84
INSTAL KU 170 AD	1429613	5-21	INSTAL SP WP P85 L=1500 AD	1429572	5-35	KK HDG	1449676	1-53
INSTAL KU 170 M PW	1429526	5-21	INSTAL SP WP P85 L=1500 M	1429571	5-35	KK PG	1449486	1-53
INSTAL KU 210 AD	1429615	5-21	INSTAL SP45 FS	1431910	5-37	KK-MK HDG	1433139	1-54
INSTAL KU 210 M PW	1429527	5-21	INSTAL SP45 MB1	1431921	5-36	KK-MK PG	1449249	1-54
INSTAL LIS-48	1429300	5-25	INSTAL SP45 MB2	1431922	5-36	KKF HDG	1449678	1-55
INSTAL LIS-80	1429301	5-25	INSTAL SP45 MB3	1431923	5-36	KL-150 L=510 PG	1449201	1-83
INSTAL LK 100	1459057	5-22	INSTAL SP45 TB	1431924	5-36	KL-150 L=510 XPG	1433436	1-83
INSTAL LK 108	1429751	5-22	INSTAL SP45-1 L=2300 M	1431901	5-32	KL-200 L=510 PG	1449202	1-83
INSTAL LK 130	1459058	5-22	INSTAL SP45-1E L=2300 AD	1431961	5-32	KL-200 L=510 XPG	1433437	1-83
INSTAL LK 144	1429752	5-22	INSTAL SP45-1E L=2300 M	1431951	5-32	KL-300 L=510 PG	1449203	1-83
INSTAL LK 170	1429753	5-22	INSTAL SP45-1FPE L=650 AD	1431965	5-32	KL-300 L=510 XPG	1433438	1-83
INSTAL LK 210	1429755	5-22	INSTAL SP45-1FPE L=650 M	1431955	5-32	KL-400 L=510 PG	1449204	1-83
INSTAL LVK 100	1459055	5-22	INSTAL SP45-2 L=2300 M	1431902	5-33	KL-400 L=510 XPG	1433439	1-83
INSTAL LVK 108	1429741	5-22	INSTAL SP45-2E L=2300 AD	1431962	5-33			
INSTAL LVK 130	1459056	5-22	INSTAL SP45-2E L=2300 M	1431952	5-33			
INSTAL LVK 144	1429742	5-22	INSTAL SP45-2FPE L=650 AD	1431966	5-33			
INSTAL LVK 170	1429743	5-22	INSTAL SP45-2FPE L=650 M	1431956	5-33			
INSTAL LVK 210	1429745	5-22	INSTAL SP45-4E L=2300 AD	1431964	5-34			

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
KL-500 L=510 PG	1449205	1-83	KRC J-200 PG	1431433	2-25	KRL-KS-500 L=3000 XPG	1433315	1-85
KL-500 L=510 XPG	1433440	1-83	KRC J-250 PG	1431434	2-25	KRL-KS-600 L=3000 PG	1432851	1-85
KL-600 L=510 PG	1449206	1-83	KRC J-300 PG	1431435	2-25	KRL-KS-600 L=3000 XPG	1433316	1-85
KL-600 L=510 XPG	1433441	1-83	KRC J-400 PG	1431436	2-25	KRL-KS45-150 R=300 XPG	1433467	1-92
KRA-40-100 L=3000 M	1431231	2-8	KRC J-50 PG	1431430	2-25	KRL-KS45-200 R=300 XPG	1433468	1-92
KRA-40-100 L=3000 PG	1431211	2-8	KRC-100 L=2000 M	1431291	2-11	KRL-KS45-300 R=300 XPG	1433469	1-92
KRA-40-200 L=3000 M	1431232	2-8	KRC-100 L=2000 PG	1431281	2-11	KRL-KS45-400 R=300 XPG	1433470	1-92
KRA-40-200 L=3000 PG	1431212	2-8	KRC-150 L=2000 M	1431292	2-11	KRL-KS45-500 R=300 XPG	1433471	1-92
KRA-40-300 L=3000 M	1431233	2-8	KRC-150 L=2000 PG	1431282	2-11	KRL-KS45-600 R=300 XPG	1433472	1-92
KRA-40-300 L=3000 PG	1431213	2-8	KRC-200 L=2000 M	1431293	2-11	KRL-KS90-150 R=300 PG	1432801	1-91
KRA-40-400 L=3000 M	1431234	2-8	KRC-200 L=2000 PG	1431283	2-11	KRL-KS90-150 R=300 XPG	1433326	1-91
KRA-40-400 L=3000 PG	1431214	2-8	KRC-250 L=2000 M	1431294	2-11	KRL-KS90-150 R=600 PG	1432901	1-91
KRA-40-500 L=3000 M	1431235	2-8	KRC-250 L=2000 PG	1431284	2-11	KRL-KS90-150 R=600 XPG	1433336	1-91
KRA-40-500 L=3000 PG	1431215	2-8	KRC-300 L=2000 M	1431295	2-11	KRL-KS90-200 R=100 PG	1432817	1-91
KRA-40-600 L=3000 M	1431236	2-8	KRC-300 L=2000 PG	1431285	2-11	KRL-KS90-200 R=100 XPG	1433321	1-91
KRA-40-600 L=3000 PG	1431216	2-8	KRC-400 L=2000 M	1431296	2-11	KRL-KS90-200 R=300 PG	1432802	1-91
KRA-60-100 L=3000 M	1432021	2-8	KRC-400 L=2000 PG	1431286	2-11	KRL-KS90-200 R=300 XPG	1433327	1-91
KRA-60-100 L=3000 PG	1432001	2-8	KRC-50 L=2000 M	1431290	2-11	KRL-KS90-200 R=600 PG	1432807	1-91
KRA-60-200 L=3000 M	1432022	2-8	KRC-50 L=2000 PG	1431280	2-11	KRL-KS90-200 R=600 XPG	1433337	1-91
KRA-60-200 L=3000 PG	1432002	2-8	KRL-100 L=3000 M	1431831	2-32	KRL-KS90-300 R=100 PG	1432818	1-91
KRA-60-300 L=3000 M	1432023	2-8	KRL-100 L=3000 PG	1431821	2-32	KRL-KS90-300 R=100 XPG	1433322	1-91
KRA-60-300 L=3000 PG	1432003	2-8	KRL-200 L=3000 M	1431832	2-32	KRL-KS90-300 R=300 PG	1432803	1-91
KRA-60-400 L=3000 M	1432024	2-8	KRL-200 L=3000 PG	1431822	2-32	KRL-KS90-300 R=300 XPG	1433328	1-91
KRA-60-400 L=3000 PG	1432004	2-8	KRL-300 L=3000 M	1431833	2-32	KRL-KS90-300 R=600 PG	1432808	1-91
KRA-60-500 L=3000 M	1432025	2-8	KRL-300 L=3000 PG	1431823	2-32	KRL-KS90-300 R=600 XPG	1433338	1-91
KRA-60-500 L=3000 PG	1432005	2-8	KRL-400 L=3000 M	1431834	2-32	KRL-KS90-400 R=100 PG	1432819	1-91
KRA-60-600 L=3000 M	1432026	2-8	KRL-400 L=3000 PG	1431824	2-32	KRL-KS90-400 R=100 XPG	1433323	1-91
KRA-60-600 L=3000 PG	1432006	2-8	KRL-50 L=3000 M	1431830	2-32	KRL-KS90-400 R=300 PG	1432804	1-91
KRB-40-100 L=3000 M	1431271	2-9	KRL-50 L=3000 PG	1431820	2-32	KRL-KS90-400 R=300 XPG	1433329	1-91
KRB-40-100 L=3000 PG	1431251	2-9	KRL-500 L=3000 M	1431835	2-32	KRL-KS90-400 R=600 PG	1432809	1-91
KRB-40-200 L=3000 M	1431272	2-9	KRL-500 L=3000 PG	1431825	2-32	KRL-KS90-400 R=600 XPG	1433339	1-91
KRB-40-200 L=3000 PG	1431252	2-9	KRL-600 L=3000 M	1431836	2-32	KRL-KS90-500 R=100 PG	1432820	1-91
KRB-40-300 L=3000 M	1431273	2-9	KRL-600 L=3000 PG	1431826	2-32	KRL-KS90-500 R=100 XPG	1433324	1-91
KRB-40-300 L=3000 PG	1431253	2-9	KRL-J-150 PG	1432916	1-88	KRL-KS90-500 R=300 PG	1432805	1-91
KRB-40-400 L=3000 M	1431274	2-9	KRL-J-150 XPG	1433457	1-88	KRL-KS90-500 R=300 XPG	1433330	1-91
KRB-40-400 L=3000 PG	1431254	2-9	KRL-J-200 PG	1432852	1-88	KRL-KS90-500 R=600 PG	1432810	1-91
KRB-40-500 L=3000 M	1431275	2-9	KRL-J-200 XPG	1433458	1-88	KRL-KS90-500 R=600 XPG	1433340	1-91
KRB-40-500 L=3000 PG	1431255	2-9	KRL-J-300 PG	1432853	1-88	KRL-KS90-600 R=100 PG	1432821	1-91
KRB-40-600 L=3000 M	1431276	2-9	KRL-J-300 XPG	1433459	1-88	KRL-KS90-600 R=100 XPG	1433325	1-91
KRB-40-600 L=3000 PG	1431256	2-9	KRL-J-400 PG	1432854	1-88	KRL-KS90-600 R=300 PG	1432806	1-91
KRB-60-100 L=3000 M	1432101	2-9	KRL-J-400 XPG	1433460	1-88	KRL-KS90-600 R=300 XPG	1433331	1-91
KRB-60-100 L=3000 PG	1432081	2-9	KRL-J-500 PG	1432855	1-88	KRL-KS90-600 R=600 PG	1432811	1-91
KRB-60-200 L=3000 M	1432102	2-9	KRL-J-500 XPG	1433461	1-88	KRL-KS90-600 R=600 XPG	1433341	1-91
KRB-60-200 L=3000 PG	1432082	2-9	KRL-J-600 PG	1432856	1-88	KRL-KST-150 R=300 PG	1432906	1-94
KRB-60-300 L=3000 M	1432103	2-9	KRL-J-600 XPG	1433462	1-88	KRL-KST-150 R=300 XPG	1433352	1-94
KRB-60-300 L=3000 PG	1432083	2-9	KRL-KS-150 L=3000 PG	1432898	1-85	KRL-KST-150 R=600 PG	1432907	1-94
KRB-60-400 L=3000 M	1432104	2-9	KRL-KS-150 L=3000 XPG	1433311	1-85	KRL-KST-150 R=600 XPG	1433362	1-94
KRB-60-400 L=3000 PG	1432084	2-9	KRL-KS-200 L=3000 PG	1432847	1-85	KRL-KST-200 R=300 PG	1432822	1-94
KRB-60-500 L=3000 M	1432105	2-9	KRL-KS-200 L=3000 XPG	1433312	1-85	KRL-KST-200 R=300 XPG	1433353	1-94
KRB-60-500 L=3000 PG	1432085	2-9	KRL-KS-300 L=3000 PG	1432848	1-85	KRL-KST-200 R=600 PG	1432827	1-94
KRB-60-600 L=3000 M	1432106	2-9	KRL-KS-300 L=3000 XPG	1433313	1-85	KRL-KST-200 R=600 XPG	1433363	1-94
KRB-60-600 L=3000 PG	1432086	2-9	KRL-KS-400 L=3000 PG	1432849	1-85	KRL-KST-300 R=300 PG	1432823	1-94
KRC J-100 PG	1431431	2-25	KRL-KS-400 L=3000 XPG	1433314	1-85	KRL-KST-300 R=300 XPG	1433354	1-94
KRC J-150 PG	1431432	2-25	KRL-KS-500 L=3000 PG	1432850	1-85	KRL-KST-300 R=600 PG	1432828	1-94

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
KRL-KST-300 R=600 XPG	1433364	1-94	KRL-RS90-300 PG	1431883	2-33	KS20-200 K L=6000 PG	1431907	1-20
KRL-KST-400 R=300 PG	1432824	1-94	KRL-RS90-400 M	1431724	2-33	KS20-200 L=3000 HDG	1433112	1-21
KRL-KST-400 R=300 XPG	1433355	1-94	KRL-RS90-400 PG	1431884	2-33	KS20-200 L=3000 PG	1449401	1-21
KRL-KST-400 R=600 PG	1432829	1-94	KRL-RS90-500 M	1431725	2-33	KS20-200 L=6000 HDG	1433102	1-21
KRL-KST-400 R=600 XPG	1433365	1-94	KRL-RS90-500 PG	1431885	2-33	KS20-200 L=6000 PG	1449502	1-21
KRL-KST-500 R=300 PG	1432825	1-94	KRL-RS90-600 M	1431726	2-33	KS20-300 K L=3000 PG	1431803	1-20
KRL-KST-500 R=300 XPG	1433356	1-94	KRL-RS90-600 PG	1431886	2-33	KS20-300 K L=6000 PG	1431908	1-20
KRL-KST-500 R=600 PG	1432830	1-94	KRL-RT-100 M	1431811	2-34	KS20-300 L=3000 HDG	1433113	1-21
KRL-KST-500 R=600 XPG	1433366	1-94	KRL-RT-100 PG	1431891	2-34	KS20-300 L=3000 PG	1449402	1-21
KRL-KST-600 R=300 PG	1432826	1-94	KRL-RT-200 M	1431812	2-34	KS20-300 L=6000 HDG	1433103	1-21
KRL-KST-600 R=300 XPG	1433357	1-94	KRL-RT-200 PG	1431892	2-34	KS20-300 L=6000 PG	1449503	1-21
KRL-KST-600 R=600 PG	1432831	1-94	KRL-RT-300 M	1431813	2-34	KS20-400 K L=3000 PG	1431804	1-20
KRL-KST-600 R=600 XPG	1433367	1-94	KRL-RT-300 PG	1431893	2-34	KS20-400 K L=6000 PG	1431909	1-20
KRL-KSV-150 R=300 PG	1432914	1-89	KRL-RT-400 M	1431814	2-34	KS20-400 L=3000 HDG	1433114	1-21
KRL-KSV-150 R=300 XPG	1433388	1-89	KRL-RT-400 PG	1431894	2-34	KS20-400 L=3000 PG	1449403	1-21
KRL-KSV-200 R=300 PG	1432842	1-89	KRL-RT-500 M	1431815	2-34	KS20-400 L=6000 HDG	1433104	1-21
KRL-KSV-200 R=300 XPG	1433389	1-89	KRL-RT-500 PG	1431895	2-34	KS20-400 L=6000 PG	1449504	1-21
KRL-KSV-300 R=300 PG	1432843	1-89	KRL-RT-600 M	1431816	2-34	KS20-500 K L=3000 PG	1431805	1-20
KRL-KSV-300 R=300 XPG	1433390	1-89	KRL-RT-600 PG	1431896	2-34	KS20-500 K L=6000 PG	1431911	1-20
KRL-KSV-400 R=300 PG	1432844	1-89	KRV-100 L=3000 M	1431305	2-11	KS20-500 L=3000 HDG	1433115	1-21
KRL-KSV-400 R=300 XPG	1433391	1-89	KRV-100 L=3000 PG	1431301	2-11	KS20-500 L=3000 PG	1449404	1-21
KRL-KSV-500 R=300 PG	1432845	1-89	KRV-200 L=3000 M	1431306	2-11	KS20-500 L=6000 HDG	1433105	1-21
KRL-KSV-500 R=300 XPG	1433392	1-89	KRV-200 L=3000 PG	1431302	2-11	KS20-500 L=6000 PG	1449505	1-21
KRL-KSV-600 R=300 PG	1432846	1-89	KRV-50 L=3000 M	1431304	2-11	KS20-600 K L=3000 PG	1431806	1-20
KRL-KSV-600 R=300 XPG	1433393	1-89	KRV-50 L=3000 PG	1431300	2-11	KS20-600 K L=6000 PG	1431912	1-20
KRL-KSVI-150 R=300 PG	1432981	1-90	KS100 DPA PG	1478135	1-80	KS20-600 L=3000 HDG	1433116	1-21
KRL-KSVI-150 R=300 XPG	1433394	1-90	KS100 DPA XPG	1478172	1-80	KS20-600 L=3000 PG	1449405	1-21
KRL-KSVI-200 R=300 PG	1432982	1-90	KS100 DPA-O PG	1478136	1-81	KS20-600 L=6000 HDG	1433106	1-21
KRL-KSVI-200 R=300 XPG	1433395	1-90	KS100 DPA-O XPG	1478173	1-81	KS20-600 L=6000 PG	1449506	1-21
KRL-KSVI-300 R=300 PG	1432983	1-90	KS100 FM-100 PG	1478132	1-39	KS45-150 R=300 HDG	1449211	1-28
KRL-KSVI-300 R=300 XPG	1433396	1-90	KS100 FM-100 XPG	1478169	1-39	KS45-200 R=300 HDG	1449212	1-28
KRL-KSVI-400 R=300 PG	1432984	1-90	KS100 FM-200 PG	1478133	1-39	KS45-300 R=300 HDG	1449213	1-28
KRL-KSVI-400 R=300 XPG	1433397	1-90	KS100 FM-200 XPG	1478170	1-39	KS45-400 R=300 HDG	1449214	1-28
KRL-KSVI-500 R=300 PG	1432985	1-90	KS100 FM-300 PG	1478134	1-39	KS45-500 R=300 HDG	1449215	1-28
KRL-KSVI-500 R=300 XPG	1433398	1-90	KS100 FM-300 XPG	1478171	1-39	KS45-600 R=300 HDG	1449216	1-28
KRL-KSVI-600 R=300 PG	1432986	1-90	KS100 J PG	1478125	1-38	KS60-200 L=3000 PG	1433017	1-22
KRL-KSVI-600 R=300 XPG	1433399	1-90	KS100 J XPG	1478162	1-38	KS60-200 L=6000 HDG	1433092	1-22
KRL-KSX-150 R=300 PG	1432912	1-95	KS100 KK PG	1478129	1-54	KS60-200 L=6000 PG	1433027	1-22
KRL-KSX-150 R=300 XPG	1433378	1-95	KS100 KK XPG	1478166	1-54	KS60-300 L=3000 PG	1433018	1-22
KRL-KSX-200 R=300 PG	1432837	1-95	KS100 UB PG	1478130	1-53	KS60-300 L=6000 HDG	1433093	1-22
KRL-KSX-200 R=300 XPG	1433379	1-95	KS100 UB XPG	1478167	1-53	KS60-300 L=6000 PG	1433028	1-22
KRL-KSX-300 R=300 PG	1432838	1-95	KS100 VEF PG	1478128	1-40	KS60-400 L=3000 PG	1433019	1-22
KRL-KSX-300 R=300 XPG	1433380	1-95	KS100 VEF XPG	1478165	1-40	KS60-400 L=6000 HDG	1433094	1-22
KRL-KSX-400 R=300 PG	1432839	1-95	KS100-200 L=6000 HDG	1478179	1-23	KS60-400 L=6000 PG	1433029	1-22
KRL-KSX-400 R=300 XPG	1433381	1-95	KS100-200 L=6000 PG	1478105	1-23	KS60-500 L=3000 PG	1433020	1-22
KRL-KSX-500 R=300 PG	1432840	1-95	KS100-300 L=6000 HDG	1478180	1-23	KS60-500 L=6000 HDG	1433095	1-22
KRL-KSX-500 R=300 XPG	1433382	1-95	KS100-300 L=6000 PG	1478106	1-23	KS60-500 L=6000 PG	1433030	1-22
KRL-KSX-600 R=300 PG	1432841	1-95	KS100-400 L=6000 HDG	1478181	1-23	KS60-600 L=3000 PG	1433021	1-22
KRL-KSX-600 R=300 XPG	1433383	1-95	KS100-400 L=6000 PG	1478107	1-23	KS60-600 L=6000 HDG	1433096	1-22
KRL-RS90-100 M	1431721	2-33	KS100-500 L=6000 HDG	1478182	1-23	KS60-600 L=6000 PG	1433031	1-22
KRL-RS90-100 PG	1431881	2-33	KS100-500 L=6000 PG	1478108	1-23	KS80-1000 L=6000 HDG	1449530	1-24
KRL-RS90-200 M	1431722	2-33	KS100-600 L=6000 HDG	1478183	1-23	KS80-150 L=3000 HDG	1449406	1-24
KRL-RS90-200 PG	1431882	2-33	KS100-600 L=6000 PG	1478109	1-23	KS80-150 L=6000 HDG	1449521	1-24
KRL-RS90-300 M	1431723	2-33	KS20-200 K L=3000 PG	1431802	1-20	KS80-200 L=3000 HDG	1449407	1-24

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
KS80-200 L=6000 HDG	1449522	1-24	KSF-NL HDG	1449663	1-43	KSVI-500 R=300 HDG	1432965	1-35
KS80-200 SP2.0 L=6000 HDG	1449507	1-25	KSF-VT HDG	1449682	1-55	KSVI-600 R=300 HDG	1432966	1-35
KS80-300 L=3000 HDG	1449408	1-24	KSF80-200 L=6000 HDG	1449532	1-27	KSVIE-150 R=300 HDG	1433041	1-35
KS80-300 L=6000 HDG	1449523	1-24	KSF80-300 L=6000 HDG	1449533	1-27	KSVIE-200 R=300 HDG	1433042	1-35
KS80-300 SP2.0 L=6000 HDG	1449508	1-25	KSF80-400 L=6000 HDG	1449534	1-27	KSVIE-300 R=300 HDG	1433043	1-35
KS80-400 L=3000 HDG	1449409	1-24	KSF80-500 L=6000 HDG	1449535	1-27	KSVIE-400 R=300 HDG	1433044	1-35
KS80-400 L=6000 HDG	1449524	1-24	KSF80-600 L=6000 HDG	1449536	1-27	KSVIE-500 R=300 HDG	1433045	1-35
KS80-400 SP2.0 L=6000 HDG	1449509	1-25	KSF90-200 R=300 HDG	1449441	1-30	KSVIE-600 R=300 HDG	1433046	1-35
KS80-500 L=3000 HDG	1449410	1-24	KSF90-300 R=300 HDG	1449442	1-30	KSX-1000 R=300 HDG	1449830	1-33
KS80-500 L=6000 HDG	1449525	1-24	KSF90-400 R=300 HDG	1449443	1-30	KSX-150 R=300 HDG	1449576	1-33
KS80-500 SP2.0 L=6000 HDG	1449510	1-25	KSF90-500 R=300 HDG	1449444	1-30	KSX-200 R=300 HDG	1449577	1-33
KS80-600 L=3000 HDG	1449411	1-24	KSF90-600 R=300 HDG	1449445	1-30	KSX-300 R=300 HDG	1449578	1-33
KS80-600 L=6000 HDG	1449526	1-24	KST-1000 R=300 HDG	1449820	1-31	KSX-400 R=300 HDG	1449579	1-33
KS80-600 SP2.0 L=6000 HDG	1449511	1-25	KST-1000 R=600 HDG	1449840	1-31	KSX-500 R=300 HDG	1449580	1-33
KS80-700 L=6000 HDG	1449527	1-24	KST-150 R=300 HDG	1449568	1-31	KSX-600 R=300 HDG	1449581	1-33
KS80-800 L=6000 HDG	1449528	1-24	KST-150 R=600 HDG	1449582	1-31	KSX-700 R=300 HDG	1449827	1-33
KS80-900 L=6000 HDG	1449529	1-24	KST-200 R=300 HDG	1449569	1-31	KSX-800 R=300 HDG	1449828	1-33
KS90-1000 R=300 HDG	1449810	1-29	KST-200 R=600 HDG	1449583	1-31	KSX-900 R=300 HDG	1449829	1-33
KS90-1000 R=600 HDG	1449850	1-29	KST-300 R=300 HDG	1449570	1-31	KSXE-150 R=300 HDG	1432921	1-33
KS90-150 R=300 HDG	1449547	1-29	KST-300 R=600 HDG	1449584	1-31	KSXE-200 R=300 HDG	1432922	1-33
KS90-150 R=600 HDG	1449541	1-29	KST-400 R=300 HDG	1449571	1-31	KSXE-300 R=300 HDG	1432923	1-33
KS90-200 R=100 HDG	1449560	1-29	KST-400 R=600 HDG	1449585	1-31	KSXE-400 R=300 HDG	1432924	1-33
KS90-200 R=300 HDG	1449548	1-29	KST-500 R=300 HDG	1449572	1-31	KSXE-500 R=300 HDG	1432925	1-33
KS90-200 R=600 HDG	1449542	1-29	KST-500 R=600 HDG	1449586	1-31	KSXE-600 R=300 HDG	1432926	1-33
KS90-300 R=100 HDG	1449561	1-29	KST-600 R=300 HDG	1449573	1-31	MEK 110 L=3000 M	1449309	4-10
KS90-300 R=300 HDG	1449549	1-29	KST-600 R=600 HDG	1449587	1-31	MEK 110 L=3000 PG	1449307	4-10
KS90-300 R=600 HDG	1449543	1-29	KST-700 R=300 HDG	1449817	1-31	MEK 110 L=6000 M	1449317	4-10
KS90-400 R=100 HDG	1449562	1-29	KST-700 R=600 HDG	1449837	1-31	MEK 110 L=6000 PG	1449313	4-10
KS90-400 R=300 HDG	1449550	1-29	KST-800 R=300 HDG	1449818	1-31	MEK 70 K L=3000 PG	1449305	4-8
KS90-400 R=600 HDG	1449544	1-29	KST-800 R=600 HDG	1449838	1-31	MEK 70 K L=6000 PG	1449311	4-8
KS90-500 R=100 HDG	1449563	1-29	KST-900 R=300 HDG	1449819	1-31	MEK 70 K L=6000 XPG	1449296	4-8
KS90-500 R=300 HDG	1449551	1-29	KST-900 R=600 HDG	1449839	1-31	MEK 70 L=3000 B	1449268	4-8
KS90-500 R=600 HDG	1449545	1-29	KSTE-150 R=300 HDG	1432951	1-32	MEK 70 L=3000 M	1449308	4-8
KS90-600 R=100 HDG	1449564	1-29	KSTE-200 R=300 HDG	1432952	1-32	MEK 70 L=3000 PG	1449306	4-9
KS90-600 R=300 HDG	1449552	1-29	KSTE-300 R=300 HDG	1432953	1-32	MEK 70 L=6000 B	1449269	4-8
KS90-600 R=600 HDG	1449546	1-29	KSTE-400 R=300 HDG	1432954	1-32	MEK 70 L=6000 M	1449315	4-8
KS90-700 R=300 HDG	1449807	1-29	KSTE-500 R=300 HDG	1432955	1-32	MEK 70 L=6000 PG	1449312	4-9
KS90-700 R=600 HDG	1449847	1-29	KSTE-600 R=300 HDG	1432956	1-32	MEK 70 S L=3000 M	1449303	4-7
KS90-800 R=300 HDG	1449808	1-29	KSV-150 R=300 HDG	1449451	1-34	MEK 70 S L=3000 PG	1449304	4-7
KS90-800 R=600 HDG	1449848	1-29	KSV-200 R=300 HDG	1449452	1-34	MEK 70 S L=6000 M	1449310	4-7
KS90-900 R=300 HDG	1449809	1-29	KSV-300 R=300 HDG	1449453	1-34	MEK 70 S L=6000 PG	1449314	4-7
KS90-900 R=600 HDG	1449849	1-29	KSV-400 R=300 HDG	1449454	1-34	MEK AH-110 M	1431765	4-21
KSE80-150 L=6000 HDG	1449891	1-26	KSV-500 R=300 HDG	1449455	1-34	MEK AH-110 PG	1431759	4-21
KSE80-200 L=6000 HDG	1449892	1-26	KSV-600 R=300 HDG	1449456	1-34	MEK AH-70 M	1431764	4-21
KSE80-300 L=6000 HDG	1449893	1-26	KSVE-150 R=300 HDG	1432931	1-34	MEK AH-70 PG	1431758	4-21
KSE80-400 L=6000 HDG	1449894	1-26	KSVE-200 R=300 HDG	1432932	1-34	MEK AH-70 XPG	1449277	4-21
KSE80-500 L=6000 HDG	1449895	1-26	KSVE-300 R=300 HDG	1432933	1-34	MEK J-110 PG	1449352	4-17
KSE80-600 L=6000 HDG	1449896	1-26	KSVE-400 R=300 HDG	1432934	1-34	MEK J-70 HDG	1429150	4-17
KSE90-150 R=300 HDG	1432941	1-30	KSVE-500 R=300 HDG	1432935	1-34	MEK J-70 PG	1449351	4-17
KSE90-200 R=300 HDG	1432942	1-30	KSVE-600 R=300 HDG	1432936	1-34	MEK J-70 XPG	1449288	4-17
KSE90-300 R=300 HDG	1432943	1-30	KSVI-150 R=300 HDG	1432961	1-35	MEK KA-110 L=3000 M	1449340	4-23
KSE90-400 R=300 HDG	1432944	1-30	KSVI-200 R=300 HDG	1432962	1-35	MEK KA-110 L=3000 PG	1449360	4-23
KSE90-500 R=300 HDG	1432945	1-30	KSVI-300 R=300 HDG	1432963	1-35	MEK KA-70 L=3000 M	1449339	4-23
KSE90-600 R=300 HDG	1432946	1-30	KSVI-400 R=300 HDG	1432964	1-35	MEK KA-70 L=3000 PG	1449359	4-23

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
MEK KA-70 L=3000 XPG	1449290	4-23	MK-310 HDG	1433123	1-50	P-60-600 KRA PG	1432676	2-24
MEK KL MU	1449393	4-20	MK-310 PG	1449243	1-50	PE HDG	1449799	1-99, 3-15
MEK KR-70	1449329	4-11	MK-316 PG	1449253	1-50	PF M	1431630	1-70
MEK KR-70 M	1449330	4-11	MK-410 HDG	1433124	1-50	PF PG	1431629	1-70
MEK KU-110 M	1449347	4-11	MK-410 PG	1449244	1-50	PK1 EG	1449631	1-70
MEK KU-110 PG	1449342	4-11	MK-416 PG	1449254	1-50	PK1 HDG	1449200	1-70
MEK KU-70 HDG	1429151	4-11	MK-510 HDG	1433125	1-50	PK2 HDG	1449632	1-71
MEK NL HDG	1429155	4-18	MK-510 PG	1449245	1-50	PK3 HDG	1449221	1-71
MEK NL M	1449324	4-18	MK-516 PG	1449255	1-50	PL HDG	1449156	1-63
MEK NL PG	1449322	4-18	MK-610 HDG	1433126	1-50	POL-150 L=3000 PG	1449417	1-96
MEK P-110 M	1449400	4-23	MK-610 PG	1449246	1-50	POL-200 L=3000 PG	1449412	1-96
MEK P-110 PG	1449398	4-23	MK-616 PG	1449256	1-50	POL-200 L=3000 XPG	1433431	1-96
MEK P-70 M	1449397	4-23	MR-30 L=2500 XPG	1342075	1-72	POL-300 L=3000 PG	1449413	1-96
MEK P-70 PG	1449394	4-23	MU M10 EG	1449992	1-104, 2-36, 3-27, 4-27	POL-300 L=3000 XPG	1433432	1-96
MEK P-70 XPG	1449280	4-23	MU M10 HDG	1449166	1-104, 2-36, 3-27, 4-27	POL-400 L=3000 PG	1449414	1-96
MEK PF-110 M	1449327	4-17	MU M10 M	1431740	1-104, 2-36, 3-27, 4-27	POL-400 L=3000 XPG	1433433	1-96
MEK PF-110 PG	1449326	4-17	MU M16 EG	1449993	1-104, 2-36, 3-27, 4-27	POL-500 L=3000 PG	1449415	1-96
MEK PF-70 M	1449325	4-17	MU M16 HDG	1449167	1-104, 2-36, 3-27, 4-27	POL-500 L=3000 XPG	1433434	1-96
MEK PF-70 PG	1449319	4-17	MU M16 M	1431741	1-104, 2-36, 3-27, 4-27	POL-600 L=3000 PG	1449416	1-96
MEK PK HDG	1429154	4-14	MU M6 EG	1459427	1-104, 2-36, 3-27, 4-27	POL-600 L=3000 XPG	1433435	1-96
MEK PK M	1449374	4-14	MU M6 HDG	1449168	1-104, 2-36, 3-27, 4-27	PPU-150 L=3000 M	1432919	1-96
MEK PK PG	1449373	4-14	MU M8 EG	1449991	1-104, 2-36, 3-27, 4-27	PPU-150 L=3000 PG	1432918	1-96
MEK RK-110 M	1449390	4-16	NL HDG	1449667	1-42	PPU-200 L=3000 M	1432892	1-96
MEK RK-110 PG	1449357	4-16	NL PG	1449480	1-42	PPU-200 L=3000 PG	1432887	1-96
MEK RK-70 M	1449389	4-16	NL-TK HDG	1449662	1-42	PPU-300 L=3000 M	1432893	1-96
MEK RK-70 PG	1449356	4-16	P-40-100 KRA M	1431781	2-24	PPU-300 L=3000 PG	1432888	1-96
MEK RK-70 XPG	1449358	4-16	P-40-100 KRA PG	1431771	2-24	PPU-400 L=3000 M	1432894	1-96
MEK RPF-110-10 M	1449344	4-16	P-40-200 KRA M	1431782	2-24	PPU-400 L=3000 PG	1432889	1-96
MEK RPF-110-10 PG	1449343	4-16	P-40-200 KRA PG	1431772	2-24	PPU-500 L=3000 M	1432895	1-96
MEK RPF-110-8 PG	1449350	4-16	P-40-300 KRA M	1431783	2-24	PPU-500 L=3000 PG	1432890	1-96
MEK RPF-70-10 M	1449338	4-16	P-40-300 KRA PG	1431773	2-24	PPU-600 L=3000 M	1432896	1-96
MEK RPF-70-10 PG	1449337	4-16	P-40-400 KRA M	1431784	2-24	PPU-600 L=3000 PG	1432891	1-96
MEK RPF-70-8 PG	1449345	4-16	P-40-400 KRA PG	1431774	2-24	PRT-200 PG	1449970	1-51, 2-17, 3-24
MEK SK-110 M	1449380	3-19,4-15	P-40-500 KRA M	1431785	2-24	PRT-200 XPG	1433448	1-51, 3-24
MEK SK-110 PG	1449362	3-19,4-15	P-40-500 KRA PG	1431775	2-24	PRT-300 PG	1449971	1-51, 2-17, 3-24
MEK SK-70 M	1449379	3-19,4-15	P-40-600 KRA M	1431786	2-24	PRT-300 XPG	1433449	1-51, 3-24
MEK SK-70 PG	1449361	3-19,4-15	P-40-600 KRA PG	1431776	2-24	PRT-400 PG	1449972	1-51, 2-17, 3-24
MEK T HDG	1429152	4-13	P-60-100 KRA M	1432681	2-24	PRT-400 XPG	1433450	1-51, 3-24
MEK T M	1449384	4-13	P-60-100 KRA PG	1432671	2-24	PRT-500 PG	1449973	1-51, 2-17, 3-24
MEK T PG	1449383	4-13	P-60-200 KRA M	1432682	2-24	PRT-500 XPG	1433451	1-51, 3-24
MEK TR-70	1449332	4-12	P-60-200 KRA PG	1432672	2-24	PRT-600 PG	1449974	1-51, 2-17, 3-24
MEK TR-70 M	1449333	4-12	P-60-300 KRA M	1432683	2-24	PRT-600 XPG	1433452	1-51, 3-24
MEK VM PG	1449355	4-20	P-60-300 KRA PG	1432673	2-24	PS L=3000 M	1431640	1-69
MEK VM-L PG	1449354	4-21	P-60-400 KRA M	1432684	2-24	PS L=3000 PG	1431639	1-69
MEK VR PG	1449353	4-15	P-60-400 KRA PG	1432674	2-24	PSF M	1431645	1-69
MEK XR-70	1449335	4-12	P-60-500 KRA M	1432685	2-24	PSF PG	1431644	1-69
MEK XR-70 M	1449336	4-12	P-60-500 KRA PG	1432675	2-24	PSK-150 L=3000 PG	1449100	1-87
MEKA SPRAY RAL9010	1431809	1-102, 2-35, 3-26, 4-26	P-60-600 KRA M	1432686	2-24	PSK-150 L=3000 XPG	1433411	1-87
MEKA SPRAY ZN	1449709	1-102, 2-35, 3-26, 4-26				PSK-200 L=3000 PG	1449101	1-87
MK-210 HDG	1433122	1-50				PSK-200 L=3000 XPG	1433412	1-87
MK-210 PG	1449242	1-50						
MK-216 PG	1449252	1-50						

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
PSK-300 L=3000 PG	1449102	1-87	RMK-60-300 10 M	1432623	2-18	RS90-40-500 M	1431325	2-12
PSK-300 L=3000 XPG	1433413	1-87	RMK-60-300 10 PG	1432613	2-18	RS90-40-500 PG	1431315	2-12
PSK-400 L=3000 PG	1449103	1-87	RMK-60-400 10 M	1432624	2-18	RS90-40-600 M	1431326	2-12
PSK-400 L=3000 XPG	1433414	1-87	RMK-60-400 10 PG	1432614	2-18	RS90-40-600 PG	1431316	2-12
PSK-500 L=3000 PG	1449104	1-87	RMK-60-500 10 M	1432625	2-18	RS90-60-100 M	1432171	2-12
PSK-500 L=3000 XPG	1433415	1-87	RMK-60-500 10 PG	1432615	2-18	RS90-60-100 PG	1432161	2-12
PSK-600 L=3000 PG	1449105	1-87	RMK-60-600 10 M	1432626	2-18	RS90-60-200 M	1432172	2-12
PSK-600 L=3000 XPG	1433416	1-87	RMK-60-600 10 PG	1432616	2-18	RS90-60-200 PG	1432162	2-12
RAK-40-100 M	1431481	2-28	RS 1 HDG	1449697	1-103, 2-36, 3-27, 4-27	RS90-60-300 M	1432173	2-12
RAK-40-100 PG	1431471	2-28	RS 12 HDG	1449127	1-103, 2-36, 3-27, 4-27	RS90-60-300 PG	1432163	2-12
RAK-40-200 M	1431482	2-28	RS 2 HDG	1449698	1-103, 2-36, 3-27, 4-27	RS90-60-400 M	1432174	2-12
RAK-40-200 PG	1431472	2-28	RS 3 HDG	1449699	1-103, 2-36, 3-27, 4-27	RS90-60-400 PG	1432164	2-12
RAK-40-300 M	1431483	2-28	RS 4 EG	1448720	1-103, 2-36, 3-27, 4-27	RS90-60-500 M	1432175	2-12
RAK-40-300 PG	1431473	2-28	RS 4 HDG	1448721	1-103, 2-36, 3-27, 4-27	RS90-60-500 PG	1432165	2-12
RAK-60-100 M	1432588	2-28	RS 4 HST	1448722	1-103, 2-36, 3-27, 4-27	RS90-60-600 M	1432176	2-12
RAK-60-100 PG	1432581	2-28	RS 5 EG	1470352	1-103, 2-36, 3-27, 4-27	RS90-60-600 PG	1432166	2-12
RAK-60-200 M	1432587	2-28	RS 5 HDG	1470353	1-103, 2-36, 3-27, 4-27	RSS-40-100 M	1431421	2-26
RAK-60-200 PG	1432582	2-28	RS 5 HST	1470354	1-103, 2-36, 3-27, 4-27	RSS-40-100 PG	1431411	2-26
RAK-60-300 M	1432589	2-28	RS K EG	1431735	1-103, 2-36, 3-27, 4-27	RSS-40-200 M	1431422	2-26
RAK-60-300 PG	1432583	2-28	RS KAP HDG	1449125	1-103, 2-36, 3-27, 4-27	RSS-40-200 PG	1431412	2-26
RDP-40 M	1431650	2-30, 4-19	RS KSF HDG	1449115	1-103, 2-36, 3-27, 4-27	RSS-40-300 M	1431423	2-26
RDP-40 PG	1431649	2-30, 4-19	RS MEK J 10 EG	1449108	1-103, 2-36, 3-27, 4-27	RSS-40-300 PG	1431413	2-26
RDP-40 XPG	1431652	4-19	RS MEK SK EG	1449124	1-103, 2-36, 3-27, 4-27	RSS-40-400 M	1431424	2-26
RDP-60 M	1432752	2-30	RS MEK VM EG	1449114	1-103, 2-36, 3-27, 4-27	RSS-40-400 PG	1431414	2-26
RDP-60 PG	1432749	2-30	RS PSF EG	1431731	1-103, 2-36, 3-27, 4-27	RSS-40-500 M	1431425	2-26
RDP-O M	1431651	2-30, 4-19	RS SK EG	1449123	1-103, 2-36, 3-27, 4-27	RSS-40-500 PG	1431415	2-26
RDP-O PG	1431648	2-30, 4-19	RS SMT HDG	1449113	1-103, 2-36, 3-27, 4-27	RSS-40-600 M	1431426	2-26
RDP-O-40 XPG	1431653	4-19	RS SSU HDG	1449111	1-103, 2-36, 3-27, 4-27	RSS-40-600 PG	1431416	2-26
RMK-40-100 10 M	1431501	2-18	RS SVK EG	1431734	1-103, 2-36, 3-27, 4-27	RSS-60-100 M	1432471	2-26
RMK-40-100 10 PG	1431491	2-18	RS TKU M	1449122	1-103, 2-36, 3-27, 4-27	RSS-60-100 PG	1432461	2-26
RMK-40-200 10 M	1431502	2-18	RS VK2 HDG	1449112	1-103, 2-36, 3-27, 4-27	RSS-60-200 M	1432472	2-26
RMK-40-200 10 PG	1431492	2-18	RS90-40-100 M	1431321	2-12	RSS-60-200 PG	1432462	2-26
RMK-40-200 16 M	1431522	2-19	RS90-40-100 PG	1431311	2-12	RSS-60-300 M	1432473	2-26
RMK-40-200 16 PG	1431512	2-19	RS90-40-200 M	1431322	2-12	RSS-60-300 PG	1432463	2-26
RMK-40-300 10 M	1431503	2-18	RS90-40-200 PG	1431312	2-12	RSS-60-400 M	1432474	2-26
RMK-40-300 10 PG	1431493	2-18	RS90-40-300 M	1431323	2-12	RSS-60-400 PG	1432464	2-26
RMK-40-300 16 M	1431523	2-19	RS90-40-300 PG	1431313	2-12	RSS-60-500 M	1432475	2-26
RMK-40-300 16 PG	1431513	2-19	RS90-40-400 M	1431324	2-12	RSS-60-500 PG	1432465	2-26
RMK-40-400 10 M	1431504	2-18	RS90-40-400 PG	1431314	2-12	RSS-60-600 M	1432476	2-26
RMK-40-400 10 PG	1431494	2-18				RSS-60-600 PG	1432466	2-26
RMK-40-400 16 M	1431524	2-19				RT-40-100 M	1431361	2-14
RMK-40-400 16 PG	1431514	2-19				RT-40-100 PG	1431351	2-14
RMK-40-500 10 M	1431505	2-18				RT-40-200 M	1431362	2-14
RMK-40-500 10 PG	1431495	2-18				RT-40-200 PG	1431352	2-14
RMK-40-500 16 M	1431525	2-19				RT-40-300 M	1431363	2-14
RMK-40-500 16 PG	1431515	2-19				RT-40-300 PG	1431353	2-14
RMK-40-600 10 M	1431506	2-18				RT-40-400 M	1431364	2-14
RMK-40-600 10 PG	1431496	2-18				RT-40-400 PG	1431354	2-14
RMK-40-600 16 M	1431526	2-19				RT-40-500 M	1431365	2-14
RMK-40-600 16 PG	1431516	2-19				RT-40-500 PG	1431355	2-14
RMK-60-100 10 M	1432621	2-18				RT-40-600 M	1431366	2-14
RMK-60-100 10 PG	1432611	2-18				RT-40-600 PG	1431356	2-14
RMK-60-200 10 M	1432622	2-18				RT-60-100 M	1432291	2-14
RMK-60-200 10 PG	1432612	2-18				RT-60-100 PG	1432281	2-14

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
RT-60-200 M	1432292	2-14	RX-40-100 PG	1431391	2-16	SRS-60-300 M	1432233	2-13
RT-60-200 PG	1432282	2-14	RX-40-200 M	1431402	2-16	SRS-60-300 PG	1432223	2-13
RT-60-300 M	1432293	2-14	RX-40-200 PG	1431392	2-16	SRS-60-400 M	1432234	2-13
RT-60-300 PG	1432283	2-14	RX-40-300 M	1431403	2-16	SRS-60-400 PG	1432224	2-13
RT-60-400 M	1432294	2-14	RX-40-300 PG	1431393	2-16	SRS-60-500 M	1432235	2-13
RT-60-400 PG	1432284	2-14	RX-40-400 M	1431404	2-16	SRS-60-500 PG	1432225	2-13
RT-60-500 M	1432295	2-14	RX-40-400 PG	1431394	2-16	SRS-60-600 M	1432236	2-13
RT-60-500 PG	1432285	2-14	RX-40-500 M	1431405	2-16	SRS-60-600 PG	1432226	2-13
RT-60-600 M	1432296	2-14	RX-40-500 PG	1431395	2-16	SS-10	1431800	1-103, 2-35, 3-26, 4-26
RT-60-600 PG	1432286	2-14	RX-40-600 M	1431406	2-16	SS-16	1431801	1-103, 2-35, 3-26, 4-26
RTF-10 HDG	1449652	1-72, 4-22	RX-40-600 PG	1431396	2-16	SS-6 W	1459426	1-103, 2-35, 3-26, 4-26
RTF-10 M	1431619	2-29, 4-22	RÄF-40 M	1431612	2-25	SSA HDG	1449655	1-37
RTF-10 PG	1449484	1-72, 2-29, 4-22	RÄF-40 PG	1431611	2-25	SSC HDG	1433199	1-37
RTF-16 HDG	1449653	1-73, 2-29	RÄF-60 M	1432734	2-25	SSC PG	1449481	1-37
RTF-16 M	1431621	2-29	RÄF-60 PG	1432731	2-25	SSR HDG	1449669	1-36
RTF-S HDG	1449654	1-74	SK-150 L=1550 PG	1449711	1-86	SSR PG	1449482	1-36
RTF-S PG	1449478	1-74	SK-150 L=1550 XPG	1433421	1-86	SSU HDG	1449670	1-36
RTF-Z HDG	1449656	1-73, 2-29, 4-22	SK-200 L=1550 PG	1449712	1-86	ST-1500 HDG	1449153	1-61
RTF-Z M	1431623	2-29	SK-200 L=1550 XPG	1433422	1-86	ST-300 HDG	1449150	1-61
RVK-100 EG	1431531	2-20	SK-300 L=1550 PG	1449713	1-86	ST-500 HDG	1449151	1-61
RVK-100 M	1431541	2-20	SK-300 L=1550 XPG	1433423	1-86	ST-800 HDG	1449152	1-61
RVK-200 M	1431542	2-20	SK-400 L=1550 PG	1449714	1-86	SVK-100 M	1431561	2-21
RVK-200 PG	1431532	2-20	SK-400 L=1550 XPG	1433424	1-86	SVK-100 PG	1431551	2-21
RVK-300 M	1431543	2-20	SK-500 L=1550 PG	1449715	1-86	SVK-200 M	1431562	2-21
RVK-300 PG	1431533	2-20	SK-500 L=1550 XPG	1433425	1-86	SVK-200 PG	1431552	2-21
RVK-400 M	1431544	2-20	SK-600 L=1550 PG	1449716	1-86	SVK-300 M	1431563	2-21
RVK-400 PG	1431534	2-20	SK-600 L=1550 XPG	1433426	1-86	SVK-300 PG	1431553	2-21
RVS-40-100 M	1431461	2-27	SMT HDG	1449684	1-67, 3-25	SVK-400 M	1431564	2-21
RVS-40-100 PG	1431451	2-27	SP	1449672	1-100	SVK-400 PG	1431554	2-21
RVS-40-200 M	1431462	2-27	SP-TP1	1449726	1-101	SVK-500 M	1431565	2-21
RVS-40-200 PG	1431452	2-27	SP-TP2	1449727	1-101	SVK-500 PG	1431555	2-21
RVS-40-300 M	1431463	2-27	SP-TP2-P	1449728	1-102	SVK-600 M	1431566	2-21
RVS-40-300 PG	1431453	2-27	SR-100 L=2000 PG	1449702	1-97	SVK-600 PG	1431556	2-21
RVS-40-400 M	1431464	2-27	SR-100 L=2000 XPG	1433464	1-97	TB HDG	1449649	1-67
RVS-40-400 PG	1431454	2-27	SR-150 L=2000 PG	1449703	1-97	TFP PG	1449664	1-74
RVS-40-500 M	1431465	2-27	SR-150 L=2000 XPG	1433465	1-97	TFP-A1 XPG	1433488	1-76
RVS-40-500 PG	1431455	2-27	SR-50 L=2000 PG	1449701	1-97	TFP-A2 XPG	1433489	1-76
RVS-40-600 M	1431466	2-27	SR-50 L=2000 XPG	1433463	1-97	TFP-A3 XPG	1433490	1-76
RVS-40-600 PG	1431456	2-27	SRS-40-100 M	1431341	2-13	TFP2 M10 PG	1449210	1-75, 3-23
RVS-60-100 M	1432531	2-27	SRS-40-100 PG	1431331	2-13	TFP2 M8 PG	1449209	1-75, 3-23
RVS-60-100 PG	1432521	2-27	SRS-40-200 M	1431342	2-13	TFP3 M10 PG	1449240	1-75, 3-23
RVS-60-200 M	1432532	2-27	SRS-40-200 PG	1431332	2-13	TKU-40-100 M	1431381	2-15
RVS-60-200 PG	1432522	2-27	SRS-40-300 M	1431343	2-13	TKU-40-100 PG	1431371	2-15
RVS-60-300 M	1432533	2-27	SRS-40-300 PG	1431333	2-13	TKU-40-200 M	1431382	2-15
RVS-60-300 PG	1432523	2-27	SRS-40-400 M	1431344	2-13	TKU-40-200 PG	1431372	2-15
RVS-60-400 M	1432534	2-27	SRS-40-400 PG	1431334	2-13	TKU-40-300 M	1431383	2-15
RVS-60-400 PG	1432524	2-27	SRS-40-500 M	1431345	2-13	TKU-40-300 PG	1431373	2-15
RVS-60-500 M	1432535	2-27	SRS-40-500 PG	1431335	2-13	TKU-40-400 M	1431384	2-15
RVS-60-500 PG	1432525	2-27	SRS-40-600 M	1431346	2-13	TKU-40-400 PG	1431374	2-15
RVS-60-600 M	1432536	2-27	SRS-40-600 PG	1431336	2-13	TKU-40-500 M	1431385	2-15
RVS-60-600 PG	1432526	2-27	SRS-60-100 M	1432231	2-13	TKU-40-500 PG	1431375	2-15
RX-40-100 M	1431401	2-16	SRS-60-100 PG	1432221	2-13	TKU-40-600 M	1431386	2-15
			SRS-60-200 M	1432232	2-13			
			SRS-60-200 PG	1432222	2-13			

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
TKU-40-600 PG	1431376	2-15	VK2 PG	1449479	1-52	WMT IP1 HST	1448732	3-14
TKU-60-100 M	1432411	2-15	VK3 HDG	1449668	1-52	WMT IP1 PG	1448730	3-14
TKU-60-100 PG	1432401	2-15	VKF-1000 4KN HDG	1449630	1-46	WMT SC1 EG	1448723	3-11
TKU-60-200 M	1432412	2-15	VKF-200 4KN HDG	1449622	1-46	WMT SC1 HDG	1448724	3-11
TKU-60-200 PG	1432402	2-15	VKF-300 4KN HDG	1449623	1-46	WMT SC1 HST	1448725	3-11
TKU-60-300 M	1432413	2-15	VKF-400 4KN HDG	1449624	1-46	WMT SC2 EG	1448726	3-11
TKU-60-300 PG	1432403	2-15	VKF-500 4KN HDG	1449625	1-46	WMT SC2 HDG	1448727	3-11
TKU-60-400 M	1432414	2-15	VKF-600 4KN HDG	1449626	1-46	WMT SC2 HST	1448728	3-11
TKU-60-400 PG	1432404	2-15	VKF-700 4KN HDG	1449627	1-46	WMT UC EG	1448711	3-13
TKU-60-500 M	1432415	2-15	VKF-800 4KN HDG	1449628	1-46	WMT UC HDG	1448701	3-13
TKU-60-500 PG	1432405	2-15	VKF-900 4KN HDG	1449629	1-46	WMT UC HST	1448702	3-13
TKU-60-600 M	1432416	2-15	VKI-200 PG	1449436	1-44	WMT UC1 EG	1448713	3-13
TKU-60-600 PG	1432406	2-15	VKI-300 PG	1449437	1-44	WMT UC1 HDG	1448704	3-13
TP1-1000 HDG	1449604	1-56	VKI-400 PG	1449438	1-44	WMT UC1 HST	1448707	3-13
TP1-1500 HDG	1449606	1-56	VKI-500 PG	1449439	1-44	WMT UC1D EG	1448714	3-14
TP1-2000 HDG	1449608	1-56	VKI-600 PG	1449440	1-44	WMT UC1D HDG	1448705	3-14
TP1-250 HDG	1449601	1-56	VKZ-100 HDG	1429109	1-47, 3-18	WMT UC1D HST	1448708	3-14
TP1-500 HDG	1449602	1-56	VKZ-100 HST	1429113	1-47, 3-18	WMT WB1 HDG	1448741	3-17
TP1-750 HDG	1449603	1-56	VKZ-100 PG	1429105	1-47, 3-18	WMT WB1 HST	1448742	3-17
TP2-1000 HDG	1449613	1-57, 3-21	VKZ-200 HDG	1429110	1-47, 3-18	WMT WB1 PG	1448740	3-17
TP2-1500 HDG	1449615	1-57, 3-21	VKZ-200 HST	1429114	1-47, 3-18	WMT WB2 XPG	1448744	3-17
TP2-2000 HDG	1449617	1-57, 3-21	VKZ-200 PG	1429106	1-47, 3-18	WMT-100-100 L=3000 EG	1448415	3-9
TP2-3000 HDG	1449618	1-57, 3-21	VKZ-300 HDG	1429111	1-47, 3-18	WMT-100-100 L=3000 HDG	1448515	3-9
TP2-500 HDG	1449610	1-57, 3-21	VKZ-300 HST	1429115	1-47, 3-18	WMT-100-100 L=3000 HST	1448615	3-9
TP2-L-1000 HDG	1449131	1-58	VKZ-300 PG	1429107	1-47, 3-18	WMT-100-200 L=3000 EG	1448416	3-9
TP2-L-1500 HDG	1449132	1-58	VKZ-400 HDG	1429112	3-18	WMT-100-200 L=3000 HDG	1448516	3-9
TP2-L-2000 HDG	1449133	1-58	VKZ-400 HST	1429116	1-47, 3-18	WMT-100-200 L=3000 HST	1448616	3-9
TP2-L-3000 HDG	1449134	1-58	VKZ-400 PG	1429108	1-47, 3-18	WMT-100-300 L=3000 EG	1448417	3-9
TP2-L-500 HDG	1449130	1-58	VKZ-N-100 HDG	1429122	1-48, 3-18	WMT-100-300 L=3000 HDG	1448517	3-9
TP2-P-1000 HDG	1449141	1-59	VKZ-N-100 HST	1429126	1-48, 3-18	WMT-100-300 L=3000 HST	1448617	3-9
TP2-P-1500 HDG	1449142	1-59	VKZ-N-100 PG	1429117	1-48, 3-18	WMT-100-400 L=3000 EG	1448418	3-9
TP2-P-2000 HDG	1449143	1-59	VKZ-N-200 HDG	1429123	1-48, 3-18	WMT-100-400 L=3000 HDG	1448518	3-9
TP2-P-3000 HDG	1449144	1-59	VKZ-N-200 HST	1429127	1-48, 3-18	WMT-100-400 L=3000 HST	1448618	3-9
TP2-P-500 HDG	1449140	1-59	VKZ-N-200 PG	1429118	1-48, 3-18	WMT-100-500 L=3000 EG	1448419	3-9
TPK-1000 HDG	1449491	1-51	VKZ-N-300 HDG	1429124	1-48, 3-18	WMT-100-500 L=3000 HDG	1448519	3-9
TPK-200 HDG	1449492	1-51	VKZ-N-300 HST	1429128	1-48, 3-18	WMT-100-500 L=3000 HST	1448619	3-9
TPK-300 HDG	1449493	1-51	VKZ-N-300 PG	1429119	1-48, 3-18	WMT-100-600 L=3000 EG	1448420	3-9
TPK-400 HDG	1449494	1-51	VKZ-N-400 HDG	1429125	1-48, 3-18	WMT-100-600 L=3000 HDG	1448520	3-9
TPK-500 HDG	1449495	1-51	VKZ-N-400 HST	1429129	1-48, 3-18	WMT-100-600 L=3000 HST	1448620	3-9
TPK-600 HDG	1449496	1-51	VKZ-N-400 PG	1429121	1-48, 3-18	WMT-150-200 L=3000 EG	1448423	3-10
TPK-700 HDG	1449487	1-51	VM-KS PG	1432897	1-99	WMT-150-200 L=3000 HDG	1448523	3-10
TPK-800 HDG	1449488	1-51	WMT CL EG	1448710	3-12	WMT-150-200 L=3000 HST	1448623	3-10
TPK-900 HDG	1449489	1-51	WMT CL HDG	1448703	3-12	WMT-150-300 L=3000 EG	1448424	3-10
VEF 2 HDG	1449675	1-41	WMT CL HST	1448706	3-12	WMT-150-300 L=3000 HDG	1448524	3-10
VF HDG	1449666	1-41	WMT CL1 EG	1448712	3-12	WMT-150-300 L=3000 HST	1448624	3-10
VF PG	1449890	1-41	WMT CL1 HDG	1448709	3-12	WMT-150-400 L=3000 EG	1448425	3-10
VFF HDG	1449680	1-43	WMT CL1 HST	1448700	3-12	WMT-150-400 L=3000 HDG	1448525	3-10
VK-150 2KN HDG	1449590	1-45, 3-19	WMT CS-10 EG	1448753	3-16	WMT-150-400 L=3000 HST	1448625	3-10
VK-200 2KN HDG	1449591	1-45, 3-19	WMT CS-10 HDG	1448754	3-16	WMT-150-500 L=3000 EG	1448426	3-10
VK-300 2KN HDG	1449592	1-45, 3-19	WMT CSF-6 EG	1448750	3-16	WMT-150-500 L=3000 HDG	1448526	3-10
VK-400 2KN HDG	1449593	1-45, 3-19	WMT CSF-6 HDG	1448751	3-16	WMT-150-500 L=3000 HST	1448626	3-10
VK-500 2KN HDG	1449594	1-45, 3-19	WMT EP4	1448718	3-15	WMT-150-600 L=3000 EG	1448427	3-10
VK-600 2KN HDG	1449595	1-45, 3-19	WMT EP5	1448719	3-15	WMT-150-600 L=3000 HDG	1448527	3-10
VK2 HDG	1449671	1-52	WMT IP1 HDG	1448731	3-14	WMT-150-600 L=3000 HST	1448627	3-10

Index by product name in alphabetical order

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
WMT-30-100 L=3000 EG	1448401	3-7	YPK-500 M	1431605	2-22, 3-20
WMT-30-100 L=3000 HDG	1448501	3-7	YPK-600 EG	1431596	2-22, 3-20
WMT-30-100 L=3000 HST	1448601	3-7	YPK-600 M	1431606	2-22, 3-20
WMT-30-200 L=3000 EG	1448402	3-7	ÄF HDG	1449679	1-40
WMT-30-200 L=3000 HDG	1448502	3-7	ÄP	1449681	1-100
WMT-30-200 L=3000 HST	1448602	3-7			
WMT-30-300 L=3000 EG	1448403	3-7			
WMT-30-300 L=3000 HDG	1448503	3-7			
WMT-30-300 L=3000 HST	1448603	3-7			
WMT-30-400 L=3000 EG	1448404	3-7			
WMT-30-400 L=3000 HDG	1448504	3-7			
WMT-30-400 L=3000 HST	1448604	3-7			
WMT-30-500 L=3000 EG	1448405	3-7			
WMT-30-500 L=3000 HDG	1448505	3-7			
WMT-30-500 L=3000 HST	1448605	3-7			
WMT-30-50 L=3000 EG	1444999	3-7			
WMT-30-50 L=3000 HDG	1448499	3-7			
WMT-30-50 L=3000 HST	1448599	3-7			
WMT-30-600 L=3000 EG	1448406	3-7			
WMT-30-600 L=3000 HDG	1448506	3-7			
WMT-30-600 L=3000 HST	1448606	3-7			
WMT-30-70 L=3000 EG	1448400	3-7			
WMT-30-70 L=3000 HDG	1448500	3-7			
WMT-30-70 L=3000 HST	1448600	3-7			
WMT-50-100 L=3000 EG	1448408	3-8			
WMT-50-100 L=3000 HDG	1448508	3-8			
WMT-50-100 L=3000 HST	1448608	3-8			
WMT-50-200 L=3000 EG	1448409	3-8			
WMT-50-200 L=3000 HDG	1448509	3-8			
WMT-50-200 L=3000 HST	1448609	3-8			
WMT-50-300 L=3000 EG	1448410	3-8			
WMT-50-300 L=3000 HDG	1448510	3-8			
WMT-50-300 L=3000 HST	1448610	3-8			
WMT-50-400 L=3000 EG	1448411	3-8			
WMT-50-400 L=3000 HDG	1448511	3-8			
WMT-50-400 L=3000 HST	1448611	3-8			
WMT-50-500 L=3000 EG	1448412	3-8			
WMT-50-500 L=3000 HDG	1448512	3-8			
WMT-50-500 L=3000 HST	1448612	3-8			
WMT-50-600 L=3000 EG	1448413	3-8			
WMT-50-600 L=3000 HDG	1448513	3-8			
WMT-50-600 L=3000 HST	1448613	3-8			
WMT-50-70 L=3000 EG	1448407	3-8			
WMT-50-70 L=3000 HDG	1448507	3-8			
WMT-50-70 L=3000 HST	1448607	3-8			
YPK-100 M	1431601	2-22, 3-20			
YPK-100 PG	1431591	2-22, 3-20			
YPK-200 M	1431602	2-22, 3-20			
YPK-200 PG	1431592	2-22, 3-20			
YPK-300 M	1431603	2-22, 3-20			
YPK-300 PG	1431593	2-22, 3-20			
YPK-400 EG	1431594	2-22, 3-20			
YPK-400 M	1431604	2-22, 3-20			
YPK-500 EG	1431595	2-22, 3-20			



MEKA PRO disclaims liability for any personal injury, property, or other damages of any nature whatsoever, whether special, indirect, consequential, or compensatory, directly, or indirectly resulting from the use of, application or reliance on this document. MEKA PRO disclaims and makes no guaranty or warranty, express or implied, as to the accuracy or completeness of any information published herein and disclaims and makes no warranty that the information in this document will fulfil any of your particular purposes or needs.



Meka Pro Oy
Konetie 25, FI-90620
Oulu, Finland
+358 207 450 800
meka@meka.eu

www.meka.eu