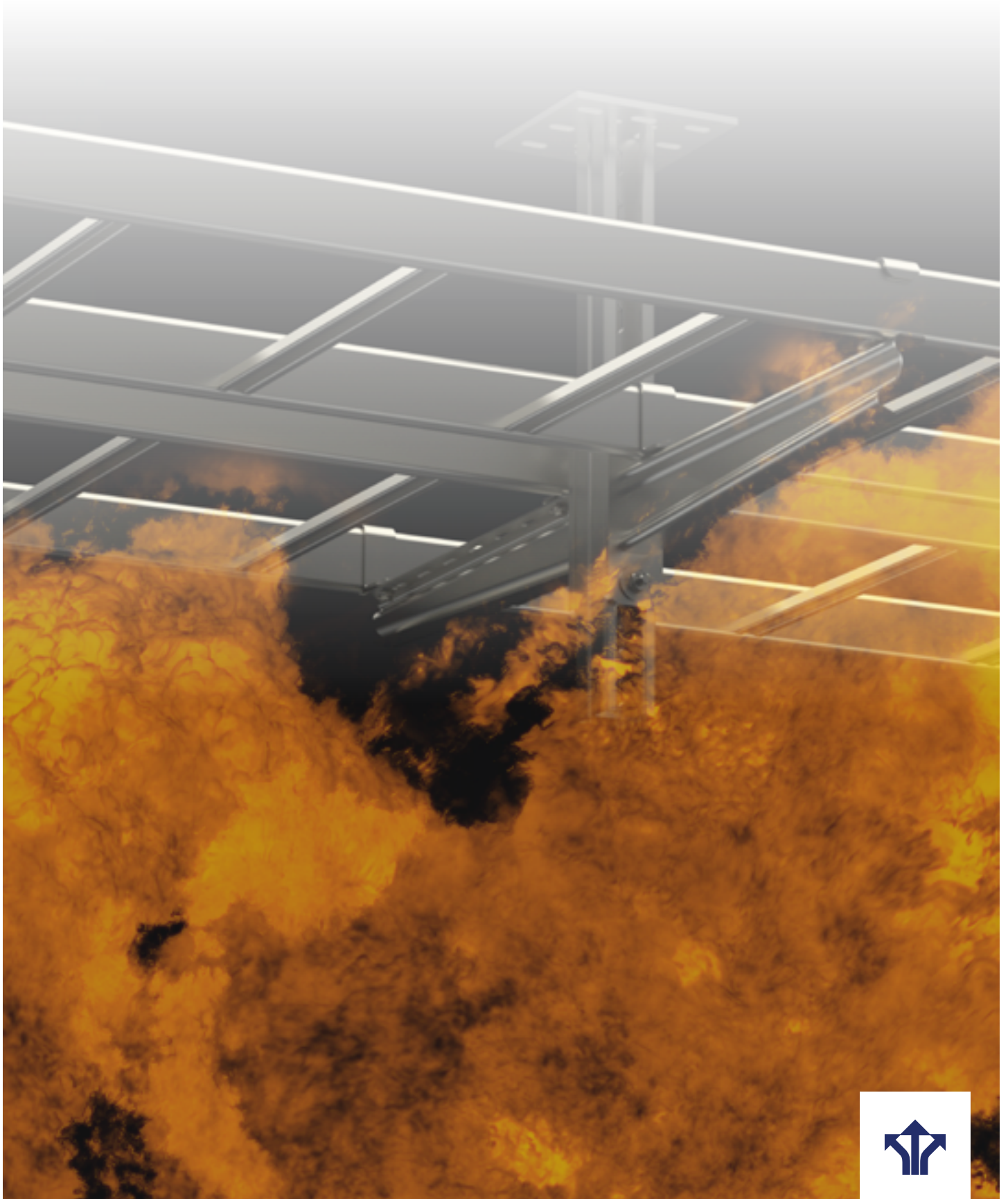


FIRE-RESISTANT CABLE SUPPORT SYSTEMS



FIRE RESISTANCE

v. 3.2 | Published 04.04.2022

Meka Pro tests the fire resistance of its products to ensure high-quality and, most importantly, safe cable management systems and installations. Meka Pro does not suffice with simulation calculations and partial testing, instead, Meka Pro's products are extensively and regularly tested by using different installation and assembly methods and current-conducting cables in independent fire test laboratories like VTT, PSKPB, SertPromTest, and CZRC. Meka Pro conducts all of its fire tests (with regard to the temperature and test methodology) according to the requirements of the following standards*:

- ISO 834-1
- EN 1363-1
- DIN 4102-12
- GOST-R 302471

The general principles that are required by these standards can be used in different testing methods, but more specific details will vary according to the element being tested. One illustrative example of the standard requirements is the temperature curve depicted in the chart. Standards like EN 1363-1 (Fire resistance tests - Elements of building construction) require that the ambient temperature at 30 minutes is 821 degrees C higher and at 90 minutes is 986 degrees C higher than at the starting point of the test.

Meka Pro's cable management systems are tested comprehensively, with the electricity conducting cables connected. The fire resistance classification for the tested cable management system is determined by the endurance of the electric circuit supported by the cable management system. The cable management system is deemed to be damaged when the electric circuit is broken or where a short circuit occurs or where the system collapses. The time at which the electric circuit is broken, or system collapsed, determines the fire safety class of all the components and products of the system. For instance, the E60 class signifies that the specific product has been in a fire test where the electric circuit has been functional for a minimum of 60 minutes in the non-collapsed system. It is worth noting that Meka Pro's chosen fire test methodologies follow the standard required for the testing of building materials (EN 1363-1) and are considerably more demanding than the current standards for the testing of fire-resistant cables.

* The test environment and methods in the fire tests performed by Meka Pro also complies with the technical report 'CLC/FprTR 50658 Cable management systems (CMS)' providing support for cables with intrinsic fire resistance.

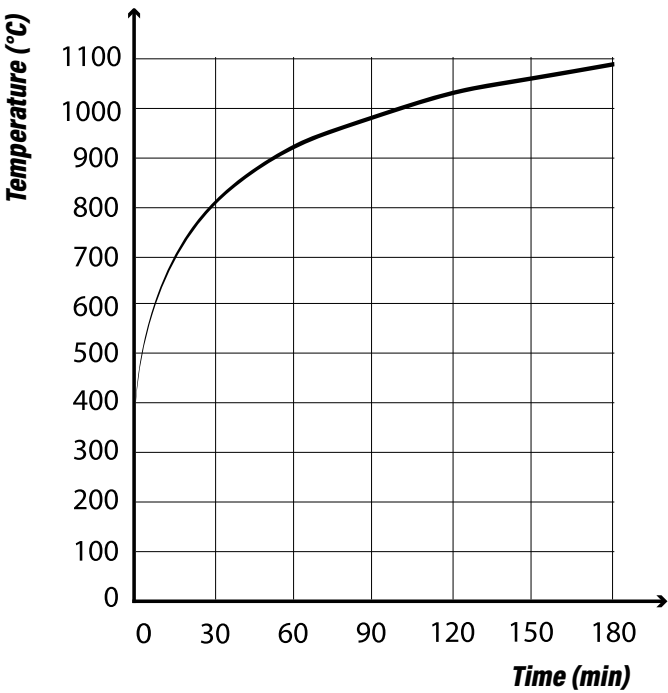
FIRE-RESISTANT CABLE SUPPORT SYSTEMS

In all fire-resistant cable management system installations, the manufacturer's installation instructions must be obeyed and they must always comply with valid international standards and norms. Fire-resistant cable management systems shall be installed only by a competent installer. All fastenings of fire-resistant cable management system installations must be carried out with corresponding fire-rated fastening accessories.

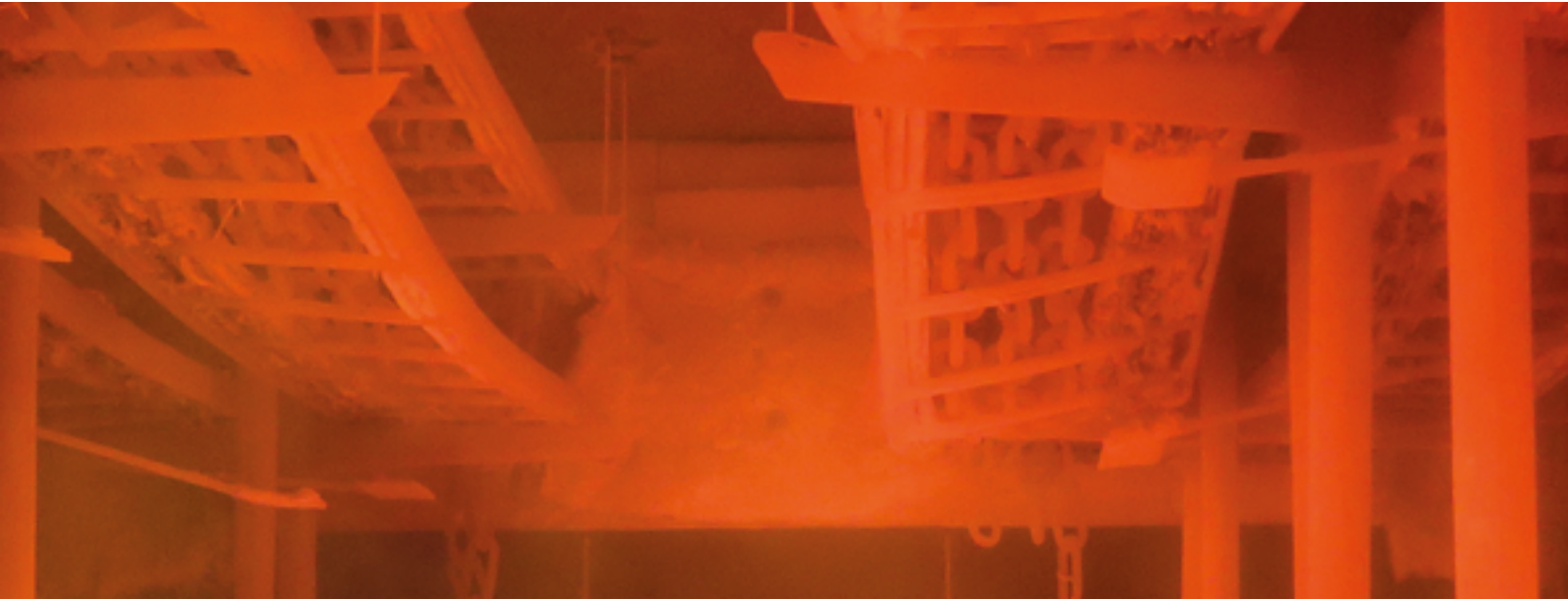
The most commonly used fire-resistant cable management systems are cable ladders, cable trays, wire mesh trays, and MEK® lighting support rails. The manufacturer is not liable for incorrect product selection or direct and indirect damages resulting from the incorrect use and installation of the product.

In fire-resistant installations, the cables must be set on their own ladder or tray or separated from other cables by distance or protection. Protection can be implemented by using a separation plate. Fire-resistant cables are marked with the FRHF-prefix, which is short for 'Fire-Resistant Halogen-Free'. Most fire-resistant cables can be identified by an orange or red cable sheath. The fire-resistant cables differ from normal cables used in construction through their minimized smoke generation and retainment of functionality in fire conditions.

Meka Pro's technical support will be able to assist you with any questions related to fire-safe products and installations.



The temperature curve of the test environment according to standard.



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.

EXAMPLE INSTALLATIONS

FIRE RATING E90

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 E60/E90



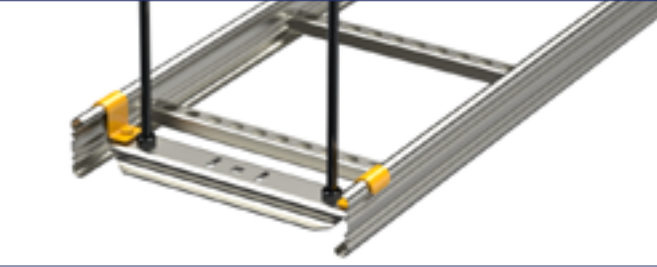
TIP ATTACHMENT E90



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.

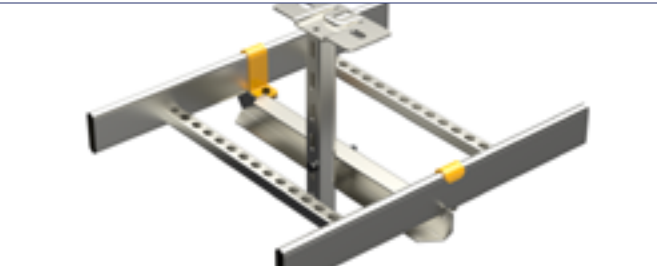
The tip attachment is not required to achieve the fire rating, if wall support VK or VKF are attached together through a ceiling support TP2 with a bolt.

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.

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 or VK3, and to the floor with end brackets ÄF.

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

FIRE-RESISTANT KR CABLE TRAYS

FIRE RATING E90

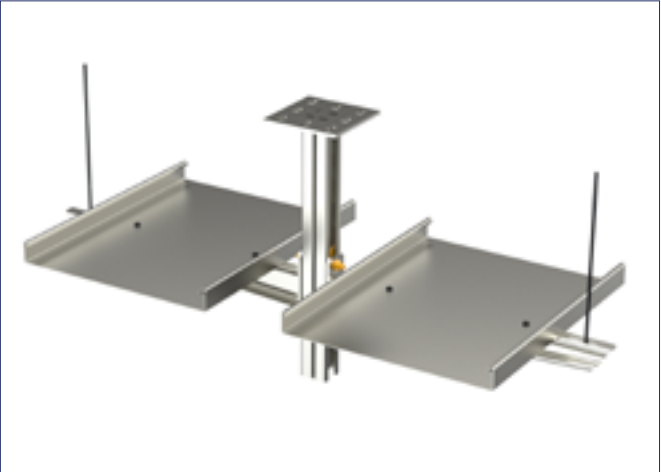
PRODUCT	SPAN LENGTH max (m)	WIDTH max (mm)	LOADING max (kg/m)
KRA	1.5	500	10
All lengths and surface treatment options up to a 500 mm width.			

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.

EXAMPLE INSTALLATIONS

FIRE RATING E90

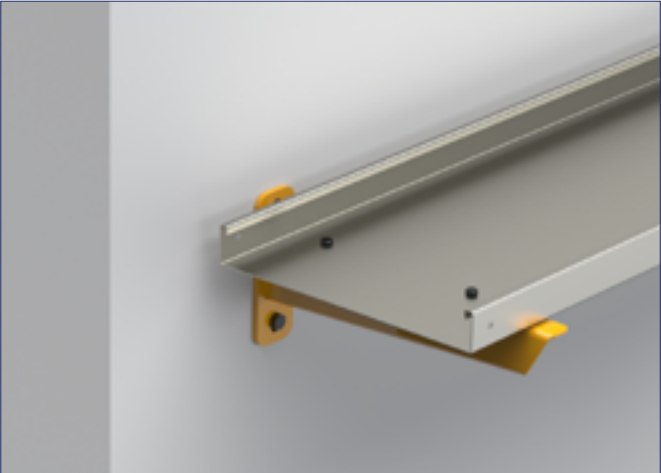
TIP ATTACHMENT E90



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.

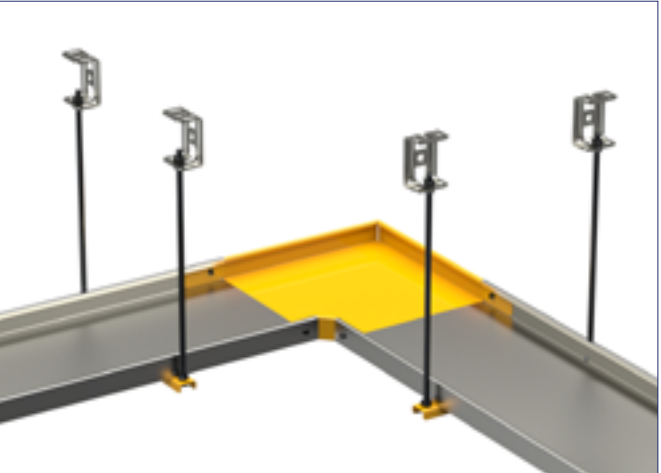
GATE SUPPORT E90



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.

FIRE-RESISTANT WIRE MESH TRAYS

FIRE RATING E60

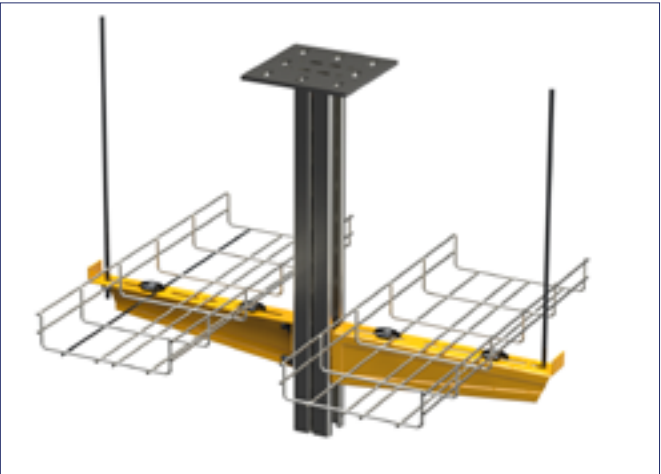
PRODUCT	SPAN LENGTH max (m)	WIDTH max (mm)	LOADING max (kg/m)
WMT	1.25	200	10
All lengths, and all material and surface treatment options up to a 200mm width. Edge heights 50, 100 and 150 mm.			

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. 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.

EXAMPLE INSTALLATIONS

FIRE RATING E60

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.

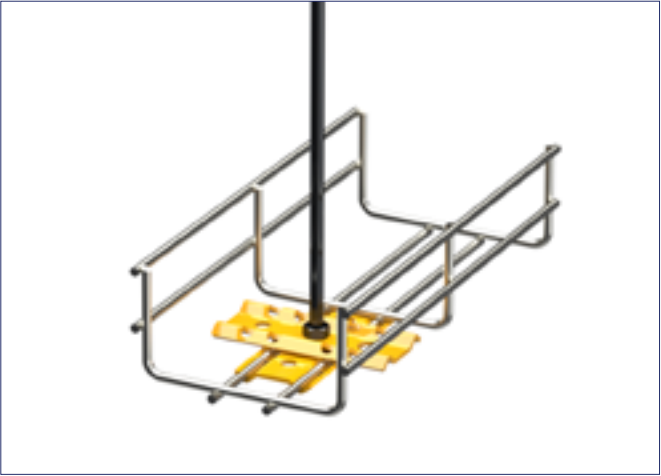
The tip attachment is not required to achieve the E60 fire rating, if VK or VKF are attached together through a ceiling support TP2 with a bolt.

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.

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.

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.

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.

EXAMPLE INSTALLATIONS

FIRE RATING E60

SUSPENSION SUPPORT E60



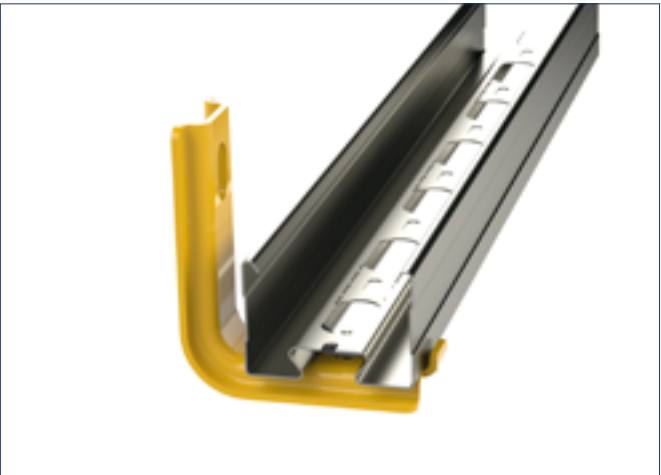
MEK lighting support rails are suspended in an E60 fire rating compliant manner with intermediate support MEK RK. The intermediate support is suspended from the ceiling with a threaded rod.

CORNER E60



In an E60 fire rating compliant corner installation, the corner must be supported at no further than 300 mm from both joints. Adjustable 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.

FIRE-RESISTANT CT CABLE TRAYS

FIRE RATING E90

PRODUCT	SPAN LENGTH max (m)	WIDTH max (mm)	LOADING max (kg/m)
CT-E	1,5	500	15
CT-PS	1,5	500	15
CT-US	1,5	500	15

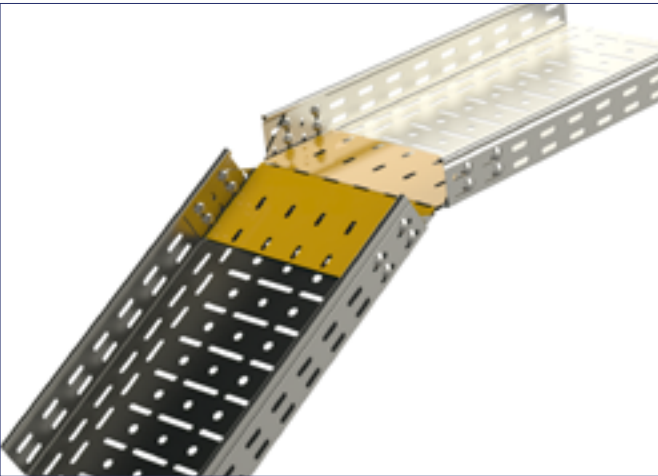
All lengths, and all material and surface treatment options up to a 500 mm width.
Edge heights 60, 85 and 110 mm.

TYPE	PRODUCTS	
Cover	CT-C, CT-LC, CT-TC, CT-XC, CT-VUC, CT-VDC	All products and all material and surface treatment options. Maximum allowed width is 500 mm.
Elbow joint	CT-AC	All material and surface treatment options from height 60 mm upwards. Maximum allowed width is 500 mm.
End connector	CT-EF	All material and surface treatment options from height 60 mm upwards.
Extension piece	CT-SC, CT-SCS	All material and surface treatment options from height 60 mm upwards. Maximum allowed width is 500 mm.
Gate support	TPK, PRT	All products and all material and surface treatment options. Gate supports must be attached to the ceiling with two threaded rods.
Intermediate support	CT-IS	All material and surface treatment options from height 60 mm upwards. Maximum allowed width is 500 mm.
L piece	CT-LP	All material and surface treatment options from height 60 mm upwards. Maximum allowed width is 500 mm.
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.
Separation wall	CT-AP	All material and surface treatment options from height 60 mm upwards.
Screw sets	RS1, RS2, RS3, RS4, RS5, RS KSF, RS SSU, RS VK2, RS MEK J 10	All products and all material and surface treatment options.
T branch bracket	CT-AT	All material and surface treatment options from height 60 mm upwards. Maximum allowed width is 500 mm.
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.
T piece	CT-TP	All material and surface treatment options from height 60 mm upwards. Maximum allowed width is 500 mm. T pieces must be supported at no further than 300 mm from each joint.
Vertical bend	CT-VD, CT-VU	All products and all material and surface treatment options from height 60 mm upwards. Maximum allowed width is 500 mm.
Wall support	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.
X piece	CT-XP	All products and all material and surface treatment options from height 60 mm upwards. Maximum allowed width is 500 mm.

EXAMPLE INSTALLATIONS

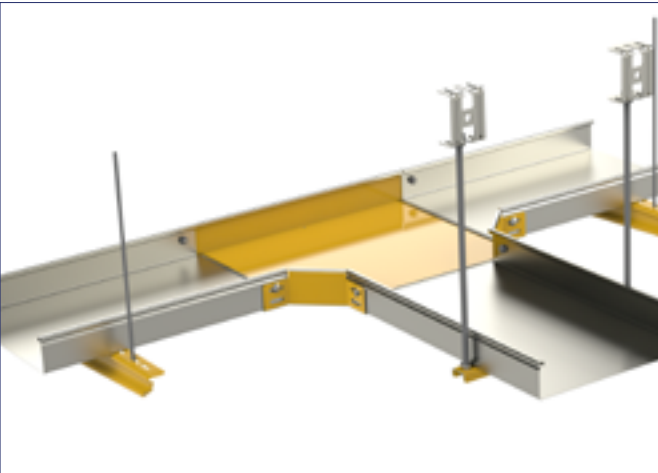
FIRE RATING E90

INSTALLATION OF A VERTICAL CORNER E90



CT-AC must be supported no further than 300 mm from joint piece. On demand, CT-AC must be supported so that the span length of the product does not exceed the allowed span length of the concerned cable tray when measured the length in the median line of the arc.

T-PIECE INSTALLATION E90



CT-LP, CT-TP and CT-XP must be supported no further than 300 mm from joint pieces, or in the middle of corner, if distance to the joint is less than 300 mm. On demand, CT-LP, CT-TP and CT-XP must be supported so that the span length of the product does not exceed the allowed span length of the concerned cable tray when measured the length in the median line of the arc.

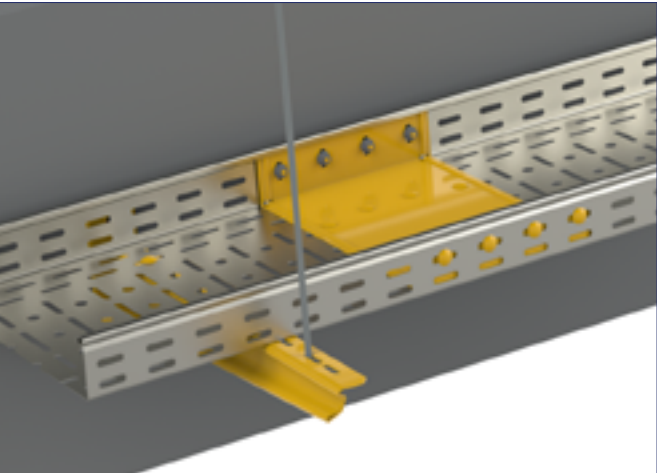
Support can be done with gate support PRT, or wall supports VK and VKF, when a wall is near. Gate support PRT must be attached to the ceiling with two threaded rods.

GATE SUPPORT E90



In an E90 fire rating compliant installation, gate support PRT or TPK must be attached to the ceiling with two threaded rods.

WALL SUPPORT E90



In an E90 fire rating compliant installation, CT-trays may be attached to the wall directly with fire-rated fastening equipment. Extension can be made by extension pieces CT-SC and CT-SCS.

PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥
AG PG	Branching sheet	1449690	E90	CT-AT-60-300 HDG	T-branch bracket	1470724	E90	CT-EP-60-200 PG	End plate	1429730	E90	CT-LP-60-100 XPG	Corner piece	1470878	E90	CT-SC-60-200 HDG	Joint	1470399	E90	CT-TP-60-50 XPG	T-piece	1470903	E90	CT-TP-60-50 XPG	T-piece	1470903	E90	CT-TP-60-50 XPG	T-piece	1470903	E90	CT-TP-60-50 XPG	T-piece	1470903	E90
AG XPG	Branching sheet	1433443	E90	CT-AT-60-300 PG	T-branch bracket	1470696	E90	CT-EP-60-300 HDG	End plate	1429789	E90	CT-LP-60-200 HDG	Corner piece	1469931	E90	CT-SC-60-200 PG	Joint	1470371	E90	CT-TP-60-500 HDG	T-piece	1469958	E90	CT-TP-60-500 HDG	T-piece	1469958	E90	CT-TP-60-500 PG	T-piece	1469886	E90	CT-TP-60-500 PG	T-piece	1469886	E90
AP-40 L=1750 PG	Separation plate	1449718	E90	CT-AT-60-400 HDG	T-branch bracket	1470725	E90	CT-EP-60-300 PG	End plate	1429734	E90	CT-LP-60-200 PG	Corner piece	1469859	E90	CT-SC-60-200 XPG	Joint	1470847	E90	CT-TP-60-500 PG	T-piece	1469886	E90	CT-TP-60-500 PG	T-piece	1469886	E90	CT-TP-60-500 XPG	T-piece	1470909	E90	CT-TP-60-500 XPG	T-piece	1470909	E90
AP-40 L=2750 HDG	Separation plate	1449719	E90	CT-AT-60-400 PG	T-branch bracket	1470697	E90	CT-EP-60-400 HDG	End plate	1429791	E90	CT-LP-60-200 XPG	Corner piece	1470879	E90	CT-SC-60-300 HDG	Joint	1470400	E90	CT-TP-60-500 XPG	T-piece	1470909	E90	CT-TP-60-500 XPG	T-piece	1470909	E90	CT-TP-60-500 XPG	T-piece	1470909	E90	CT-TP-60-500 XPG	T-piece	1470909	E90
AP-40 L=2750 M	Separation plate	1461660	E90	CT-AT-60-50 HDG	T-branch bracket	1470720	E90	CT-EP-60-400 PG	End plate	1429736	E90	CT-LP-60-300 HDG	Corner piece	1469932	E90	CT-SC-60-300 PG	Joint	1470372	E90	CT-TP-60-75 HDG	T-piece	1429160	E90	CT-TP-60-75 HDG	T-piece	1429160	E90	CT-TP-60-75 HDG	T-piece	1429160	E90	CT-TP-60-75 HDG	T-piece	1429160	E90
AP-40 L=2750 PG	Separation plate	1449710	E90	CT-AT-60-50 PG	T-branch bracket	1470692	E90	CT-EP-60-50 HDG	End plate	1429779	E90	CT-LP-60-300 PG	Corner piece	1469860	E90	CT-SC-60-300 XPG	Joint	1470848	E90	CT-TP-60-75 PG	T-piece	1429156	E90	CT-TP-60-75 PG	T-piece	1429156	E90	CT-TP-60-75 PG	T-piece	1429156	E90	CT-TP-60-75 PG	T-piece	1429156	E90
AP-40 L=2750 XPG	Separation plate	1433442	E90	CT-AT-60-500 HDG	T-branch bracket	1470726	E90	CT-EP-60-50 PG	End plate	1429727	E90	CT-LP-60-300 XPG	Corner piece	1470880	E90	CT-SC-60-400 HDG	Joint	1470401	E90	CT-TP-60-75 XPG	T-piece	1470904	E90	CT-TP-60-75 XPG	T-piece	1470904	E90	CT-TP-60-75 XPG	T-piece	1470904	E90	CT-TP-60-75 XPG	T-piece	1470904	E90
AP-60 L=2000 M	Separation plate	1432740	E90	CT-AT-60-500 PG	T-branch bracket	1470698	E90	CT-EP-60-500 HDG	End plate	1429793	E90	CT-LP-60-400 HDG	Corner piece	1469933	E90	CT-SC-60-400 PG	Joint	1470373	E90	CT-TP-85-100 HDG	T-piece	1469960	E90	CT-TP-85-100 HDG	T-piece	1469960	E90	CT-TP-85-100 HDG	T-piece	1469960	E90	CT-TP-85-100 HDG	T-piece	1469960	E90
APJ-40 M	Joint	1431681	E90	CT-AT-60-75 HDG	T-branch bracket	1470721	E90	CT-EP-60-500 PG	End plate	1429737	E90	CT-LP-60-400 PG	Corner piece	1469861	E90	CT-SC-60-400 XPG	Joint	1470849	E90	CT-TP-85-100 PG	T-piece	1469888	E90	CT-TP-85-100 PG	T-piece	1469888	E90	CT-TP-85-100 PG	T-piece	1469888	E90	CT-TP-85-100 PG	T-piece	1469888	E90
APJ-40 PG	Joint	1431680	E90	CT-AT-60-75 PG	T-branch bracket	1470693	E90	CT-EP-60-75 HDG	End plate	1429786	E90	CT-LP-60-400 XPG	Corner piece	1470881	E90	CT-SC-60-50 HDG	Joint	1470396	E90	CT-TP-85-200 HDG	T-piece	1469961	E90	CT-TP-85-200 HDG	T-piece	1469961	E90	CT-TP-85-200 HDG	T-piece	1469961	E90	CT-TP-85-200 HDG	T-piece	1469961	E90
APJ-60 M	Joint	1432746	E90	CT-AT-85-100 HDG	T-branch bracket	1470728	E90	CT-EP-60-75 PG	End plate	1429728	E90	CT-LP-60-50 HDG	Corner piece	1429139	E90	CT-SC-60-50 PG	Joint	1470368	E90	CT-TP-85-200 PG	T-piece	1469889	E90	CT-TP-85-200 PG	T-piece	1469889	E90	CT-TP-85-200 PG	T-piece	1469889	E90	CT-TP-85-200 PG	T-piece	1469889	E90
APT-100 PG	Separation plate support	1431671	E90	CT-AT-85-100 PG	T-branch bracket	1470700	E90	CT-EP-85-100 HDG	End plate	1429797	E90	CT-LP-60-50 PG	Corner piece	1429135	E90	CT-SC-60-50 XPG	Joint	1470844	E90	CT-TP-85-300 HDG	T-piece	1469962	E90	CT-TP-85-300 HDG	T-piece	1469962	E90	CT-TP-85-300 HDG	T-piece	1469962	E90	CT-TP-85-300 HDG	T-piece	1469962	E90
APT-200 PG	Separation plate support	1431672	E90	CT-AT-85-200 HDG	T-branch bracket	1470729	E90	CT-EP-85-100 PG	End plate	1429739	E90	CT-LP-60-50 XPG	Corner piece	1470876	E90	CT-SC-60-500 HDG	Joint	1470402	E90	CT-TP-85-300 PG	T-piece	1469890	E90	CT-TP-85-300 PG	T-piece	1469890	E90	CT-TP-85-300 PG	T-piece	1469890	E90	CT-TP-85-300 PG	T-piece	1469890	E90
APT-300 PG	Separation plate support	1431673	E90	CT-AT-85-200 PG	T-branch bracket	1470701	E90	CT-EP-85-200 HDG	End plate	1429798	E90	CT-LP-60-500 HDG	Corner piece	1469934	E90	CT-SC-60-500 PG	Joint	1470374	E90	CT-TP-85-400 HDG	T-piece	1469963	E90	CT-TP-85-400 HDG	T-piece	1469963	E90	CT-TP-85-400 HDG	T-piece	1469963	E90	CT-TP-85-400 HDG	T-piece	1469963	E90
APT-400 PG	Separation plate support	1431674	E90	CT-AT-85-300 HDG	T-branch bracket	1470730	E90	CT-EP-85-200 PG	End plate	1429740	E90	CT-LP-60-500 PG	Corner piece	1469862	E90	CT-SC-60-500 XPG	Joint	1470850	E90	CT-TP-85-400 PG	T-piece	1469891	E90	CT-TP-85-400 PG	T-piece	1469891	E90	CT-TP-85-400 PG	T-piece	1469891	E90	CT-TP-85-400 PG	T-piece	1469891	E90
APT-500 PG	Separation plate support	1431675	E90	CT-AT-85-300 PG	T-branch bracket	1470702	E90	CT-EP-85-300 HDG	End plate	1429799	E90	CT-LP-60-500 XPG	Corner piece	1470882	E90	CT-SC-60-75 HDG	Joint	1470397	E90	CT-TP-85-500 HDG	T-piece	1469964	E90	CT-TP-85-500 HDG	T-piece	1469964	E90	CT-TP-85-500 HDG	T-piece	1469964	E90	CT-TP-85-500 HDG	T-piece	1469964	E90
APT-600 PG	Separation plate support	1431676	E90	CT-AT-85-400 HDG	T-branch bracket	1470731	E90	CT-EP-85-300 PG	End plate	1429744	E90	CT-LP-60-75 HDG	Corner piece	1429140	E90	CT-SC-60-75 PG	Joint	1470369	E90	CT-TP-85-500 PG	T-piece	1469892	E90	CT-TP-85-500 PG	T-piece	1469892	E90	CT-TP-85-500 PG	T-piece	1469892	E90	CT-TP-85-500 PG	T-piece	1469892	E90
AS L=1980 HDG	Mounting rail	1449691	E90	CT-AT-85-400 PG	T-branch bracket	1470703	E90	CT-EP-85-400 HDG	End plate	1430000	E90	CT-LP-60-75 PG	Corner piece	1429136	E90	CT-SC-60-75 XPG	Joint	1470845	E90	CT-US-60-100 L=3000 HDG	Cable tray	1469490	E90	CT-US-60-100 L=3000 HDG	Cable tray	1469490	E90	CT-US-60-100 L=3000 HDG	Cable tray	1469490	E90	CT-US-60-100 L=3000 HDG	Cable tray	1469490	E90
AS L=3015 HDG	Mounting rail	1449661	E90	CT-AT-85-500 HDG	T-branch bracket	1470732	E90	CT-EP-85-400 PG	End plate	1429746	E90	CT-LP-60-75 XPG	Corner piece	1470877	E90	CT-SC-85-100 HDG	Joint	1470404	E90	CT-US-60-100 L=3000 PG	Cable tray	1469386	E90	CT-US-60-100 L=3000 PG	Cable tray	1469386	E90	CT-US-60-100 L=3000 PG	Cable tray	1469386	E90	CT-US-60-100 L=3000 PG	Cable tray	1469386	E90
AS L=6030 HDG	Mounting rail	1449648	E90	CT-AT-85-500 PG	T-branch bracket	1470704	E90	CT-EP-85-500 HDG	End plate	1430007	E90	CT-LP-85-100 HDG	Corner piece	1469936	E90	CT-SC-85-100 PG	Joint	1470376	E90	CT-US-60-100 L=3000 XPG	Cable tray	1461672	E90	CT-US-60-100 L=3000 XPG	Cable tray	1461672	E90	CT-US-60-100 L=3000 XPG	Cable tray	1461672	E90	CT-US-60-100 L=3000 XPG	Cable tray	1461672	E90
AS WALL L=1980 HDG	Wall mounting rail	1449208	E90	CT-C-100 L=3000 HDG	Cover	1469622	E90	CT-EP-85-500 PG	End plate	1429747	E90	CT-LP-85-100 PG	Corner piece	1469864	E90	CT-SC-85-200 HDG	Joint	1470405	E90	CT-US-60-200 L=3000 HDG	Cable tray	1469491	E90	CT-US-60-200 L=3000 HDG	Cable tray	1469491	E90	CT-US-60-200 L=3000 HDG	Cable tray	1469491	E90	CT-US-60-200 L=3000 HDG	Cable tray	1469491	E90
ASR L=6030 HDG	Mounting rail	1449660	E90	CT-C-100 L=3000 PG	Cover	1469614	E90	CT-IS-60-100 HDG	Intermediate support	1470480	E90	CT-LP-85-200 HDG	Corner piece	1469937	E90	CT-SC-85-200 PG	Joint	1470377	E90	CT-US-60-200 L=3000 PG	Cable tray	1469387	E90	CT-US-60-200 L=3000 PG	Cable tray	1469387	E90	CT-US-60-200 L=3000 PG	Cable tray	1469387	E90	CT-US-60-200 L=3000 PG	Cable tray	1469387	E90
ASR-L L=6030 HDG	Mounting rail	1449136	E90	CT-C-100 L=3000 XPG	Cover	1470830	E90	CT-IS-60-100 PG	Intermediate support	1470456	E90	CT-LP-85-200 PG	Corner piece	1469865	E90	CT-SC-85-300 HDG	Joint	1470406	E90	CT-US-60-200 L=3000 XPG	Cable tray	1461673	E90	CT-US-60-200 L=3000 XPG	Cable tray	1461673	E90	CT-US-60-200 L=3000 XPG	Cable tray	1461673	E90	CT-US-60-200 L=3000 XPG	Cable tray	1461673	E90
ASR-P L=6030 HDG	Mounting rail	1449137	E90	CT-C-200 L=3000 HDG	Cover	1469623	E90	CT-IS-60-200 HDG	Intermediate support	1470481	E90	CT-LP-85-300 HDG	Corner piece	1469938	E90	CT-SC-85-300 PG	Joint	1470378	E90	CT-US-60-300 L=3000 HDG	Cable tray	1469492	E90	CT-US-60-300 L=3000 HDG	Cable tray	1469492	E90	CT-US-60-300 L=3000 HDG	Cable tray	1469492	E90	CT-US-60-300 L=3000 HDG	Cable tray	1469492	E90
CCA-12 PG	Cable clamp	1342000	E90	CT-C-200 L=3000 PG	Cover	1469615	E90	CT-IS-60-200 PG	Intermediate support	1470457	E90	CT-LP-85-300 PG	Corner piece	1469866	E90	CT-SC-85-400 HDG	Joint	1470407	E90	CT-US-60-300 L=3000 PG	Cable tray	1469388	E90	CT-US-60-300 L=3000 PG	Cable tray	1469388	E90	CT-US-60-300 L=3000 PG	Cable tray	1469388	E90	CT-US-60-300 L=3000 PG	Cable tray	1469388	E90
CCA-14 PG	Cable clamp	1342001	E90	CT-C-200 L=3000 XPG	Cover	1470831	E90	CT-IS-60-300 HDG	Intermediate support	1470482	E90	CT-LP-85-400 HDG	Corner piece	1469939	E90	CT-SC-85-400 PG	Joint	1470379	E90	CT-US-60-300 L=3000 XPG	Cable tray	1461674	E90	CT-US-60-300 L=3000 XPG	Cable tray	1461674	E90	CT-US-60-300 L=3000 XPG	Cable tray	1461674	E90	CT-US-60-300 L=3000 XPG	Cable tray	1461674	E90
CCA-18 PG	Cable clamp	1342002	E90	CT-C-300 L=3000 HDG	Cover	1469624	E90	CT-IS-60-300 PG	Intermediate support	1470458	E90	CT-LP-85-400 PG	Corner piece	1469867	E90	CT-SC-85-500 HDG	Joint	1470408	E90	CT-US-60-400 L=3000 HDG	Cable tray	1469493	E90	CT-US-60-400 L=3000 HDG	Cable tray	1469493	E90	CT-US-60-400 L=3000 HDG	Cable tray	1469493	E90	CT-US-60-400 L=3000 HDG	Cable tray	1469493	E90
CCA-22 PG	Cable clamp	1342003	E90	CT-C-300 L=3000 PG	Cover	1469616	E90	CT-IS-60-400 HDG	Intermediate support	1470483	E90	CT-LP-85-500 HDG	Corner piece	1469940	E90	CT-SC-85-500 PG	Joint	1470380	E90	CT-US-60-400 L=3000 PG	Cable tray	1469389	E90	CT-US-60-400 L=3000 PG	Cable tray	1469389	E90	CT-US-60-400 L=3000 PG	Cable tray	1469389	E90	CT-US-60-400 L=3000 PG	Cable tray	1469389	E90
CCA-26 PG	Cable clamp	1342004	E90	CT-C-300 L=3000 XPG	Cover	1470832	E90	CT-IS-60-400 PG	Intermediate support	1470459	E90	CT-LP-85-500 PG	Corner piece	1469868	E90	CT-SCS-60 HDG	Joint	1470345	E90	CT-US-60-400 L=3000 XPG	Cable tray	1461675	E90	CT-US-60-400 L=3000 XPG	Cable tray	1461675	E90	CT-US-60-400 L=3000 XPG	Cable tray	1461675	E90	CT-US-60-400 L=3000 XPG	Cable tray	1461675	E90
CCA-30 PG	Cable clamp	1342005	E90	CT-C-400 L=3000 HDG	Cover	1469625	E90	CT-IS-60-50 HDG	Intermediate support	1470528	E90	CT-PS-60-100 L=3000 HDG	Cable tray	1469462	E90	CT-SCS-60 PG	Joint	1470341	E90	CT-US-60-50 L=3000 HDG	Cable tray	1469488	E90	CT-US-60-50 L=3000 HDG	Cable tray	1469488	E90	CT-US-60-50 L=3000 HDG	Cable tray	1469488	E90	CT-US-60-50 L=3000 HDG	Cable tray	1469488	E90
CCA-34 PG	Cable clamp	1342006	E90	CT-C-400 L=3000 PG	Cover	1469617	E90	CT-IS-60-50 PG	Intermediate support	1470524	E90	CT-PS-60-100 L=3000 PG	Cable tray	1469358	E90	CT-SCS-60 XPG	Joint	1470865	E90	CT-US-60-50 L=3000 PG	Cable tray	1469384	E90	CT-US-60-50 L=3000 PG	Cable tray	1469384	E90	CT-US-60-50 L=3000 PG	Cable						

PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥	PRODUCT NAME				CODE	🔥			
CT-VD-85-200 HDG	Vertical bend, outside	1470207	E90	CT-VUC-60-400 PG	Cover	1429465	E90	GT-10 L=2000 HDG	Threaded rod	1449160	E90	HST KSF-VT	Side profile support	1430312	E90	KRA-40-100 L=3000 PG	Cable tray	1431211	E90	CT-TP-60-300 XPG	T-piece	1470907	E90																					
CT-VD-85-200 PG	Vertical bend, outside	1470159	E90	CT-VUC-60-400 XPG	Cover	1470991	E90	GT-16 L=2000 EG	Threaded rod	1449651	E90	HST KST-150 R=300	T-piece	1430091	E90	KRA-40-200 L=3000 M	Cable tray	1431232	E90	CT-TP-60-400 HDG	T-piece	1469957	E90																					
CT-VD-85-300 HDG	Vertical bend, outside	1470208	E90	CT-VUC-60-500 HDG	Cover	1429484	E90	GT-16 L=2000 HDG	Threaded rod	1449161	E90	HST KST-200 R=300	T-piece	1430092	E90	KRA-40-200 L=3000 PG	Cable tray	1431212	E90	CT-TP-60-400 PG	T-piece	1469885	E90																					
CT-VD-85-300 PG	Vertical bend, outside	1470160	E90	CT-VUC-60-500 PG	Cover	1429466	E90	GT-6 L=1000 EG	Threaded rod M6 L=1m	1459420	E90	HST KST-300 R=300	T-piece	1430093	E90	KRA-40-300 L=3000 M	Cable tray	1431233	E90	CT-TP-60-400 XPG	T-piece	1470908	E90																					
CT-VD-85-400 HDG	Vertical bend, outside	1470209	E90	CT-VUC-60-500 XPG	Cover	1470992	E90	HK13-150 HDG	Intermediate support	1449641	E90	HST KST-400 R=300	T-piece	1430094	E90	KRA-40-300 L=3000 PG	Cable tray	1431213	E90	CT-TP-60-50 HDG	T-piece	1429159	E90																					
CT-VD-85-400 PG	Vertical bend, outside	1470161	E90	CT-VUC-85-100 HDG	Cover	1429486	E90	HK13-210 HDG	Intermediate support	1449642	E90	HST KST-500 R=300	T-piece	1430095	E90	KRA-40-400 L=3000 M	Cable tray	1431234	E90	CT-TP-60-50 PG	T-piece	1429147	E90																					
CT-VD-85-500 HDG	Vertical bend, outside	1470210	E90	CT-VUC-85-100 PG	Cover	1429468	E90	HK13-210 PG	Intermediate support	1449472	E90	HST KST-600 R=300	T-piece	1430096	E90	CT-SC-60-200 HDG	Joint	1470399	E90	KRA-40-400 L=3000 PG	Cable tray	1431214	E90																					
CT-VD-85-500 PG	Vertical bend, outside	1470162	E90	CT-VUC-85-200 HDG	Cover	1429487	E90	HK13-216 HDG	Intermediate support	1449692	E90	HST MEK 70 L=6000	Lighting support rail	1430570	E60	CT-SC-60-200 PG	Joint	1470371	E90	KRA-40-500 L=3000 M	Cable tray	1431235	E90																					
CT-VDC-60-100 HDG	Cover	1429654	E90	CT-VUC-85-200 PG	Cover	1429469	E90	HK13-216 PG	Intermediate support	1449462	E90	HST MEK J-70	Joint	1430584	E60	CT-SC-60-200 XPG	Joint	1470847	E90	KRA-40-500 L=3000 PG	Cable tray	1431215	E90																					
CT-VDC-60-100 PG	Cover	1429626	E90	CT-VUC-85-300 HDG	Cover	1429488	E90	HK13-310 HDG	Intermediate support	1449643	E90	HST MEK RK-70	Intermediate support	1430582	E60	CT-SC-60-300 HDG	Joint	1470400	E90	KRA-60-100 L=3000 M	Cable tray	1432021	E90																					
CT-VDC-60-100 XPG	Cover	1470994	E90	CT-VUC-85-300 PG	Cover	1429470	E90	HK13-310 PG	Intermediate support	1449473	E90	HST MU M10	Nut	1430436	E90	CT-SC-60-300 PG	Joint	1470372	E90	KRA-60-100 L=3000 PG	Cable tray	1432001	E90																					
CT-VDC-60-200 HDG	Cover	1429656	E90	CT-VUC-85-400 HDG	Cover	1429489	E90	HK13-316 HDG	Intermediate support	1449693	E90	HST MU M16	Nut	1430437	E90	CT-SC-60-300 XPG	Joint	1470848	E90	KRA-60-200 L=3000 M	Cable tray	1432022	E90																					
CT-VDC-60-200 PG	Cover	1429627	E90	CT-VUC-85-400 PG	Cover	1429471	E90	HK13-316 PG	Intermediate support	1449463	E90	HST MU M6	Nut	1430426	E90	CT-SC-60-400 HDG	Joint	1470401	E90	KRA-60-200 L=3000 PG	Cable tray	1432002	E90																					
CT-VDC-60-200 XPG	Cover	1470995	E90	CT-VUC-85-500 HDG	Cover	1429490	E90	HK13-410 HDG	Intermediate support	1449644	E90	HST RS 1	Bolt set	1430428	E90	CT-SC-60-400 PG	Joint	1470373	E90	KRA-60-300 L=3000 M	Cable tray	1432023	E90																					
CT-VDC-60-300 HDG	Cover	1429657	E90	CT-VUC-85-500 PG	Cover	1429472	E90	HK13-410 PG	Intermediate support	1449474	E90	HST RS 2	Bolt set	1430429	E90	CT-SC-60-400 XPG	Joint	1470849	E90	KRA-60-300 L=3000 PG	Cable tray	1432003	E90																					
CT-VDC-60-300 PG	Cover	1429628	E90	CT-WR-60-100 HDG	Width-reduction piece	1470567	E90	HK13-416 HDG	Intermediate support	1449694	E90	HST RS 3	Bolt set	1430430	E90	CT-SC-60-50 HDG	Joint	1470396	E90	KRA-60-400 L=3000 M	Cable tray	1432024	E90																					
CT-VDC-60-300 XPG	Cover	1470996	E90	CT-WR-60-100 PG	Width-reduction piece	1470555	E90	HK13-416 PG	Intermediate support	1449464	E90	HST RS KSF	Bolt set	1430438	E90	CT-SC-60-50 PG	Joint	1470368	E90	KRA-60-400 L=3000 PG	Cable tray	1432004	E90																					
CT-VDC-60-400 HDG	Cover	1429658	E90	CT-WR-60-200 HDG	Width-reduction piece	1470568	E90	HK13-510 HDG	Intermediate support	1449645	E90	HST RTF-10	Ceiling bracket	1430305	E90	CT-SC-60-50 XPG	Joint	1470844	E90	KRA-60-500 L=3000 M	Cable tray	1432025	E90																					
CT-VDC-60-400 PG	Cover	1429629	E90	CT-WR-60-200 PG	Width-reduction piece	1470556	E90	HK13-510 PG	Intermediate support	1449475	E90	HST RTF-16	Ceiling bracket	1430306	E90	CT-SC-60-500 HDG	Joint	1470402	E90	KRA-60-500 L=3000 PG	Cable tray	1432005	E90																					
CT-VDC-60-400 XPG	Cover	1470997	E90	CT-WR-60-300 HDG	Width-reduction piece	1470569	E90	HK13-516 HDG	Intermediate support	1449695	E90	HST SK-150 L=1500	Cover	1430361	E90	CT-SC-60-500 PG	Joint	1470374	E90	KRL-100 L=3000 M	Cover	1431831	E90																					
CT-VDC-60-500 HDG	Cover	1429659	E90	CT-WR-60-300 PG	Width-reduction piece	1470557	E90	HK13-516 PG	Intermediate support	1449465	E90	HST SK-200 L=1500	Cover	1430362	E90	CT-SC-60-500 XPG	Joint	1470850	E90	KRL-100 L=3000 PG	Cover	1431821	E90																					
CT-VDC-60-500 PG	Cover	1429630	E90	CT-WR-85-100 HDG	Width-reduction piece	1470570	E90	HK13-610 PG	Intermediate support	1449476	E90	HST SK-300 L=1500	Cover	1430363	E90	CT-SC-60-75 HDG	Joint	1470397	E90	KRL-200 L=3000 M	Cover	1431832	E90																					
CT-VDC-60-500 XPG	Cover	1470998	E90	CT-WR-85-100 PG	Width-reduction piece	1470558	E90	HK13-616 HDG	Intermediate support	1449696	E90	HST SK-400 L=1500	Cover	1430364	E90	CT-SC-60-75 PG	Joint	1470369	E90	KRL-200 L=3000 PG	Cover	1431822	E90																					
CT-VDC-85-100 HDG	Cover	1429661	E90	CT-WR-85-200 HDG	Width-reduction piece	1470571	E90	HK13-616 PG	Intermediate support	1449466	E90	HST SK-500 L=1500	Cover	1430365	E90	CT-SC-60-75 XPG	Joint	1470845	E90	KRL-300 L=3000 M	Cover	1431833	E90																					
CT-VDC-85-100 PG	Cover	1429636	E90	CT-WR-85-200 PG	Width-reduction piece	1470559	E90	HST AP-40 L=2000	Separation plate	1430401	E90	HST SK-600 L=1500	Cover	1430366	E90	CT-SC-85-100 HDG	Joint	1470404	E90	KRL-300 L=3000 PG	Cover	1431823	E90																					
CT-VDC-85-200 HDG	Cover	1429662	E90	CT-WR-85-300 HDG	Width-reduction piece	1470572	E90	HST AS L=6030	Mounting rail	1430410	E90	HST SMT	Sliding nut	1430422	E90	CT-SC-85-100 PG	Joint	1470376	E90	KRL-400 L=3000 M	Cover	1431834	E90																					
CT-VDC-85-200 PG	Cover	1429637	E90	CT-WR-85-300 PG	Width-reduction piece	1470560	E90	HST ASR L=6030	Mounting rail	1430411	E90	HST SR-100 L=2000	Low voltage gutter	1430403	E90	CT-SC-85-200 HDG	Joint	1470405	E90	KRL-400 L=3000 PG	Cover	1431824	E90																					
CT-VDC-85-300 HDG	Cover	1429663	E90	CT-XC-100 HDG	Cover	1470098	E90	HST CCA-12	Cable clamp	1342076	E90	HST SR-150 L=2000	Low voltage gutter	1430404	E90	CT-SC-85-200 PG	Joint	1470377	E90	KRL-500 L=3000 M	Cover	1431835	E90																					
CT-VDC-85-300 PG	Cover	1429638	E90	CT-XC-100 PG	Cover	1470080	E90	HST CCA-14	Cable clamp	1342077	E90	HST SR-50 L=2000	Low voltage gutter	1430402	E90	CT-SC-85-300 HDG	Joint	1470406	E90	KRL-500 L=3000 PG	Cover	1431825	E90																					
CT-VDC-85-400 HDG	Cover	1429664	E90	CT-XC-200 HDG	Cover	1470099	E90	HST CCA-18	Cable clamp	1342078	E90	HST SSR	Joint	1430290	E90	CT-SC-85-300 PG	Joint	1470378	E90	KRL-J-150 PG	Joint cover	1432916	E90																					
CT-VDC-85-400 PG	Cover	1429639	E90	CT-XC-200 PG	Cover	1470081	E90	HST CCA-22	Cable clamp	1342079	E90	HST SSU	Joint	1430291	E90	CT-SC-85-400 HDG	Joint	1470407	E90	KRL-J-150 XPG	Joint cover	1433457	E90																					
CT-VDC-85-500 HDG	Cover	1429665	E90	CT-XC-300 HDG	Cover	1470100	E90	HST CCA-26	Cable clamp	1342080	E90	HST TPI-1000	Ceiling support	1430193	E90	CT-SC-85-400 PG	Joint	1470379	E90	KRL-J-200 PG	Joint cover	1432852	E90																					
CT-VDC-85-500 PG	Cover	1429640	E90	CT-XC-300 PG	Cover	1470082	E90	HST CCA-30	Cable clamp	1342081	E90	HST TPI-1500	Ceiling support	1430194	E90	CT-SC-85-500 HDG	Joint	1470408	E90	KRL-J-200 XPG	Joint cover	1433458	E90																					
CT-VU-60-100 HDG	Vertical bend, inside	1470176	E90	CT-XC-400 HDG	Cover	1470101	E90	HST CCA-34	Cable clamp	1342082	E90	HST TPI-2000	Ceiling support	1430195	E90	CT-SC-85-500 PG	Joint	1470380	E90	KRL-J-300 PG	Joint cover	1432853	E90																					
CT-VU-60-100 PG	Vertical bend, inside	1470128	E90	CT-XC-400 PG	Cover	1470083	E90	HST CCA-40	Cable clamp	1342083	E90	HST TPI-250	Ceiling support	1430190	E90	CT-SCS-60 HDG	Joint	1470345	E90	KRL-J-300 XPG	Joint cover	1433459	E90																					
CT-VU-60-100 XPG	Vertical bend, inside	1470976	E90	CT-XC-50 HDG	Cover	1429197	E90	HST CCA-46	Cable clamp	1342084	E90	HST TPI-500	Ceiling support	1430191	E90	CT-SCS-60 PG	Joint	1470341	E90	KRL-J-400 PG	Joint cover	1432854	E90																					
CT-VU-60-200 HDG	Vertical bend, inside																																											

PRODUCT NAME				CODE			
KRL-KS90-300 R=100 PG	Cover	1432818	E90	KRL-KSX-500 R=300 PG	Cover	1432840	E90
KRL-KS90-300 R=100 XPG	Cover	1433322	E90	KRL-KSX-500 R=300 XPG	Cover	1433382	E90
KRL-KS90-300 R=300 PG	Cover	1432803	E90	KRL-KSX-600 R=300 PG	Cover	1432841	E90
KRL-KS90-300 R=300 XPG	Cover	1433328	E90	KRL-KSX-600 R=300 XPG	Cover	1433383	E90
KRL-KS90-300 R=600 PG	Cover	1432808	E90	KRL-RS90-100 M	Cover	1431721	E90
KRL-KS90-300 R=600 XPG	Cover	1433338	E90	KRL-RS90-100 PG	Cover	1431881	E90
KRL-KS90-400 R=100 PG	Cover	1432819	E90	KRL-RS90-200 M	Cover	1431722	E90
KRL-KS90-400 R=100 XPG	Cover	1433323	E90	KRL-RS90-200 PG	Cover	1431882	E90
KRL-KS90-400 R=300 PG	Cover	1432804	E90	KRL-RS90-300 M	Cover	1431723	E90
KRL-KS90-400 R=300 XPG	Cover	1433329	E90	KRL-RS90-300 PG	Cover	1431883	E90
KRL-KS90-400 R=600 PG	Cover	1432809	E90	KRL-RS90-400 M	Cover	1431724	E90
KRL-KS90-400 R=600 XPG	Cover	1433339	E90	KRL-RS90-400 PG	Cover	1431884	E90
KRL-KS90-500 R=100 PG	Cover	1432820	E90	KRL-RS90-500 M	Cover	1431725	E90
KRL-KS90-500 R=100 XPG	Cover	1433324	E90	KRL-RS90-500 PG	Cover	1431885	E90
KRL-KS90-500 R=300 PG	Cover	1432805	E90	KRL-RT-100 M	Cover	1431811	E90
KRL-KS90-500 R=300 XPG	Cover	1433330	E90	KRL-RT-100 PG	Cover	1431891	E90
KRL-KS90-500 R=600 PG	Cover	1432810	E90	KRL-RT-200 M	Cover	1431812	E90
KRL-KS90-500 R=600 XPG	Cover	1433340	E90	KRL-RT-200 PG	Cover	1431892	E90
KRL-KS90-600 R=100 PG	Cover	1432821	E90	KRL-RT-300 M	Cover	1431813	E90
KRL-KS90-600 R=100 XPG	Cover	1433325	E90	KRL-RT-300 PG	Cover	1431893	E90
KRL-KS90-600 R=300 PG	Cover	1432806	E90	KRL-RT-400 M	Cover	1431814	E90
KRL-KS90-600 R=300 XPG	Cover	1433331	E90	KRL-RT-400 PG	Cover	1431894	E90
KRL-KS90-600 R=600 PG	Cover	1432811	E90	KRL-RT-500 M	Cover	1431815	E90
KRL-KS90-600 R=600 XPG	Cover	1433341	E90	KRL-RT-500 PG	Cover	1431895	E90
KRL-KST-150 R=1000 PG	Cover	1432908	E90	KS20-200 K L=3000 PG	Cable ladder	1431802	E90
KRL-KST-150 R=1000 XPG	Cover	1433372	E90	KS20-200 K L=6000 PG	Cable ladder	1431907	E90
KRL-KST-150 R=300 PG	Cover	1432906	E90	KS20-200 L=3000 HDG	Cable ladder	1433112	E90
KRL-KST-150 R=300 XPG	Cover	1433352	E90	KS20-200 L=3000 PG	Cable ladder	1449401	E90
KRL-KST-150 R=600 PG	Cover	1432907	E90	KS20-200 L=6000 HDG	Cable ladder	1433102	E90
KRL-KST-150 R=600 XPG	Cover	1433362	E90	KS20-200 L=6000 PG	Cable ladder	1449502	E90
KRL-KST-200 R=1000 PG	Cover	1432832	E90	KS20-300 K L=3000 PG	Cable ladder	1431803	E90
KRL-KST-200 R=1000 XPG	Cover	1433373	E90	KS20-300 K L=6000 PG	Cable ladder	1431908	E90
KRL-KST-200 R=300 PG	Cover	1432822	E90	KS20-300 L=3000 HDG	Cable ladder	1433113	E90
KRL-KST-200 R=300 XPG	Cover	1433353	E90	KS20-300 L=3000 PG	Cable ladder	1449402	E90
KRL-KST-200 R=600 PG	Cover	1432827	E90	KS20-300 L=6000 HDG	Cable ladder	1433103	E90
KRL-KST-200 R=600 XPG	Cover	1433363	E90	KS20-300 L=6000 PG	Cable ladder	1449503	E90
KRL-KST-300 R=1000 PG	Cover	1432833	E90	KS20-400 K L=3000 PG	Cable ladder	1431804	E90
KRL-KST-300 R=1000 XPG	Cover	1433374	E90	KS20-400 K L=6000 PG	Cable ladder	1431909	E90
KRL-KST-300 R=300 PG	Cover	1432823	E90	KS20-400 L=3000 HDG	Cable ladder	1433114	E90
KRL-KST-300 R=300 XPG	Cover	1433354	E90	KS20-400 L=3000 PG	Cable ladder	1449403	E90
KRL-KST-300 R=600 PG	Cover	1432828	E90	KS20-400 L=6000 HDG	Cable ladder	1433104	E90
KRL-KST-300 R=600 XPG	Cover	1433364	E90	KS20-400 L=6000 PG	Cable ladder	1449504	E90
KRL-KST-400 R=1000 PG	Cover	1432834	E90	KS20-500 K L=3000 PG	Cable ladder	1431805	E90
KRL-KST-400 R=1000 XPG	Cover	1433375	E90	KS20-500 K L=6000 PG	Cable ladder	1431911	E90
KRL-KST-400 R=300 PG	Cover	1432824	E90	KS20-500 L=3000 HDG	Cable ladder	1433115	E90
KRL-KST-400 R=300 XPG	Cover	1433355	E90	KS20-500 L=3000 PG	Cable ladder	1449404	E90
KRL-KST-400 R=600 PG	Cover	1432829	E90	KS20-500 L=6000 HDG	Cable ladder	1433105	E90
KRL-KST-400 R=600 XPG	Cover	1433365	E90	KS20-500 L=6000 PG	Cable ladder	1449505	E90
KRL-KST-500 R=1000 PG	Cover	1432835	E90	KS20-600 K L=3000 PG	Cable ladder	1431806	E90
KRL-KST-500 R=1000 XPG	Cover	1433376	E90	KS20-600 K L=6000 PG	Cable ladder	1431912	E90
KRL-KST-500 R=300 PG	Cover	1432825	E90	KS20-600 L=3000 HDG	Cable ladder	1433116	E90
KRL-KST-500 R=300 XPG	Cover	1433356	E90	KS20-600 L=3000 PG	Cable ladder	1449405	E90
KRL-KST-500 R=600 PG	Cover	1432830	E90	KS20-600 L=6000 HDG	Cable ladder	1433106	E90
KRL-KST-500 R=600 XPG	Cover	1433366	E90	KS20-600 L=6000 PG	Cable ladder	1449506	E90
KRL-KST-600 R=1000 PG	Cover	1432836	E90	KS45-150 R=300 HDG	Bend 45°	1449211	E90
KRL-KST-600 R=1000 XPG	Cover	1433377	E90	KS45-200 R=300 HDG	Bend 45°	1449212	E90
KRL-KST-600 R=300 PG	Cover	1432826	E90	KS45-300 R=300 HDG	Bend 45°	1449213	E90
KRL-KST-600 R=300 XPG	Cover	1433357	E90	KS45-400 R=300 HDG	Bend 45°	1449214	E90
KRL-KST-600 R=600 PG	Cover	1432831	E90	KS45-500 R=300 HDG	Bend 45°	1449215	E90
KRL-KST-600 R=600 XPG	Cover	1433367	E90	KS45-600 R=300 HDG	Bend 45°	1449216	E90
KRL-KSX-150 R=300 PG	Cover	1432912	E90	KS60-200 L=3000 PG	Cable ladder	1433017	E90
KRL-KSX-150 R=300 XPG	Cover	1433378	E90	KS60-200 L=6000 HDG	Cable ladder	1433092	E90
KRL-KSX-200 R=300 PG	Cover	1432837	E90	KS60-200 L=6000 PG	Cable ladder	1433027	E90
KRL-KSX-200 R=300 XPG	Cover	1433379	E90	KS60-300 L=3000 PG	Cable ladder	1433018	E90
KRL-KSX-300 R=300 PG	Cover	1432838	E90	KS60-300 L=6000 HDG	Cable ladder	1433093	E90
KRL-KSX-300 R=300 XPG	Cover	1433380	E90	KS60-300 L=6000 PG	Cable ladder	1433028	E90
KRL-KSX-400 R=300 PG	Cover	1432839	E90	KS60-400 L=3000 PG	Cable ladder	1433019	E90
KRL-KSX-400 R=300 XPG	Cover	1433381	E90	KS60-400 L=6000 HDG	Cable ladder	1433094	E90

PRODUCT NAME		CODE		
KS60-400 L=6000 PG	Cable ladder	1433029	E90	
KS60-500 L=3000 PG	Cable ladder	1433020	E90	
KS60-500 L=6000 HDG	Cable ladder	1433095	E90	
KS60-500 L=6000 PG	Cable ladder	1433030	E90	
KS60-600 L=3000 PG	Cable ladder	1433021	E90	
KS60-600 L=6000 HDG	Cable ladder	1433096	E90	
KS60-600 L=6000 PG	Cable ladder	1433031	E90	
KS80-150 L=3000 HDG	Cable ladder	1449406	E90	
KS80-150 L=6000 HDG	Cable ladder	1449521	E90	
KS80-200 L=3000 HDG	Cable ladder	1449407	E90	
KS80-200 L=6000 HDG	Cable ladder	1449522	E90	
KS80-200 SP2.0 L=6000 HDG	Cable ladder	1449507	E90	
KS80-300 L=3000 HDG	Cable ladder	1449408	E90	
KS80-300 L=6000 HDG	Cable ladder	1449523	E90	
KS80-300 SP2.0 L=6000 HDG	Cable ladder	1449508	E90	
KS80-400 L=3000 HDG	Cable ladder	1449409	E90	
KS80-400 L=6000 HDG	Cable ladder	1449524	E90	
KS80-400 SP2.0 L=6000 HDG	Cable ladder	1449509	E90	
KS80-500 L=3000 HDG	Cable ladder	1449410	E90	
KS80-500 L=6000 HDG	Cable ladder	1449525	E90	
KS80-500 SP2.0 L=6000 HDG	Cable ladder	1449510	E90	
KS80-600 L=3000 HDG	Cable ladder	1449411	E90	
KS80-600 L=6000 HDG	Cable ladder	1449526	E90	
KS80-600 SP2.0 L=6000 HDG	Cable ladder	1449511	E90	
KS90-150 R=1000 HDG	Bend 90°	1449553	E90	
KS90-150 R=300 HDG	Bend 90°	1449547	E90	
KS90-150 R=600 HDG	Bend 90°	1449541	E90	
KS90-200 R=100 HDG	Bend 90°	1449560	E90	
KS90-200 R=1000 HDG	Bend 90°	1449554	E90	
KS90-200 R=300 HDG	Bend 90°	1449548	E90	
KS90-200 R=600 HDG	Bend 90°	1449542	E90	
KS90-300 R=100 HDG	Bend 90°	1449561	E90	
KS90-300 R=1000 HDG	Bend 90°	1449555	E90	
KS90-300 R=300 HDG	Bend 90°	1449549	E90	
KS90-300 R=600 HDG	Bend 90°	1449543	E90	
KS90-400 R=100 HDG	Bend 90°	1449562	E90	
KS90-400 R=1000 HDG	Bend 90°	1449556	E90	
KS90-400 R=300 HDG	Bend 90°	1449550	E90	
KS90-400 R=600 HDG	Bend 90°	1449544	E90	
KS90-500 R=100 HDG	Bend 90°	1449563	E90	
KS90-500 R=1000 HDG	Bend 90°	1449557	E90	
KS90-500 R=300 HDG	Bend 90°	1449551	E90	
KS90-500 R=600 HDG	Bend 90°	1449545	E90	
KS90-600 R=100 HDG	Bend 90°	1449564	E90	
KS90-600 R=1000 HDG	Bend 90°	1449558	E90	
KS90-600 R=300 HDG	Bend 90°	1449552	E90	
KS90-600 R=600 HDG	Bend 90°	1449546	E90	
KSF-VT HDG	Side profile support	1449682	E90	
KSF80-200 L=6000 HDG	Cable ladder	1449532	E90	
KSF80-300 L=6000 HDG	Cable ladder	1449533	E90	
KSF80-400 L=6000 HDG	Cable ladder	1449534	E90	
KSF80-500 L=6000 HDG	Cable ladder	1449535	E90	
KSF80-600 L=6000 HDG	Cable ladder	1449536	E90	
KSF90-200 R=300 HDG	Bend 90°	1449441	E90	
KSF90-300 R=300 HDG	Bend 90°	1449442	E90	
KSF90-400 R=300 HDG	Bend 90°	1449443	E90	
KSF90-500 R=300 HDG	Bend 90°	1449444	E90	
KSF90-600 R=300 HDG	Bend 90°	1449445	E90	
KST-150 R=1000 HDG	T-piece	1449421	E90	
KST-150 R=300 HDG	T-piece	1449568	E90	
KST-150 R=600 HDG	T-piece	1449582	E90	
KST-200 R=1000 HDG	T-piece	1449422	E90	
KST-200 R=300 HDG	T-piece	1449569	E90	
KST-200 R=600 HDG	T-piece	1449583	E90	
KST-300 R=1000 HDG	T-piece	1449423	E90	
KST-300 R=300 HDG	T-piece	1449570	E90	
KST-300 R=600 HDG	T-piece	1449584	E90	
KST-400 R=1000 HDG	T-piece	1449424	E90	

	PRODUCT NAME	CODE	
	KST-400 R=300 HDG	T-piece	1449571
	KST-400 R=600 HDG	T-piece	1449585
	KST-500 R=1000 HDG	T-piece	1449425
	KST-500 R=300 HDG	T-piece	1449572
	KST-500 R=600 HDG	T-piece	1449586
	KST-600 R=1000 HDG	T-piece	1449426
	KST-600 R=300 HDG	T-piece	1449573
	KST-600 R=600 HDG	T-piece	1449587
	KSX-150 R=300 HDG	X-piece	1449576
	KSX-200 R=300 HDG	X-piece	1449577
	KSX-300 R=300 HDG	X-piece	1449578
	KSX-400 R=300 HDG	X-piece	1449579
	KSX-500 R=300 HDG	X-piece	1449580
	KSX-600 R=300 HDG	X-piece	1449581
	MEK 110 L=3000 M	Lighting support rail	1449309
	MEK 110 L=3000 PG	Lighting support rail	1449307
	MEK 110 L=6000 M	Lighting support rail	1449317
	MEK 110 L=6000 PG	Lighting support rail	1449313
	MEK 70 K L=3000 PG	Lighting support rail	1449305
	MEK 70 K L=3000 XPG	Lighting support rail	1449293
	MEK 70 K L=6000 PG	Lighting support rail	1449311
	MEK 70 K L=6000 XPG	Lighting support rail	1449296
	MEK 70 L=3000 B	Lighting support rail	1449268
	MEK 70 L=3000 HDG	Lighting support rail	1429149
	MEK 70 L=3000 M	Lighting support rail	1449308
	MEK 70 L=3000 PG	Lighting support rail	1449306
	MEK 70 L=6000 B	Lighting support rail	1449269
	MEK 70 L=6000 M	Lighting support rail	1449315
	MEK 70 L=6000 PG	Lighting support rail	1449312
	MEK 70 S L=3000 M	Lighting support rail	1449303
	MEK 70 S L=3000 PG	Lighting support rail	1449304
	MEK 70 S L=6000 M	Lighting support rail	1449310
	MEK 70 S L=6000 PG	Lighting support rail	1449314
	MEK J-110 PG	Joint	1449352
	MEK J-70 HDG	Joint	1429150
	MEK J-70 PG	Joint	1449351
	MEK J-70 XPG	Joint	1449288
	MEK KR-70	Corner piece	1449329
	MEK KR-70 M	Corner piece	1449330
	MEK RK-110 M	Intermediate support	1449390
	MEK RK-110 PG	Intermediate support	1449357
	MEK RK-70 HDG	Intermediate support	1429153
	MEK RK-70 M	Intermediate support	1449389
	MEK RK-70 PG	Intermediate support	1449356
	MEK SK-70 M	Wall support	1449379
	MEK SK-70 PG	Wall support	1449361
	MK-210 HDG	Intermediate support	1433122
	MK-210 PG	Intermediate support	1449242
	MK-216 PG	Intermediate support	1449252
	MK-310 HDG	Intermediate support	1433123
	MK-310 PG	Intermediate support	1449243
	MK-316 PG	Intermediate support	1449253
	MK-410 HDG	Intermediate support	1433124
	MK-410 PG	Intermediate support	1449244
	MK-416 PG	Intermediate support	1449254
	MK-510 HDG	Intermediate support	1433125
	MK-510 PG	Intermediate support	1449245
	MK-516 PG	Intermediate support	1449255
	MK-610 HDG	Intermediate support	1433126
	MK-610 PG	Intermediate support	1449246
	MK-616 PG	Intermediate support	1449256
	MU M10 EG	Nut	1449907
	MU M10 HDG	Nut	1449910
	MU M10 M	Nut	1431707
	MU M16 EG	Nut	1449908
	MU M16 HDG	Nut	1449911
	MU M6 EG	Nut for threaded rod M6	1459490
	P-40-100 KRA M	End plate	1431708

PRODUCT NAME		CODE	🔥	PRODUCT NAME		CODE	🔥	PRODUCT NAME		CODE	🔥
RSS-60-500 PG	Joint	1432465	E90	TP2-P-3000 HDG	Ceiling support	1449144	E90	WMT UC1D HST	Connection	1448708	E60
RT-40-100 M	T-piece	1431361	E90	TP2-P-500 HDG	Ceiling support	1449140	E90	WMT-100-100 L=3000 EG	Wire mesh tray	1448415	E60
RT-40-100 PG	T-piece	1431351	E90	TPK-200 HDG	Gate support	1449492	E90	WMT-100-100 L=3000 HDG	Wire mesh tray	1448515	E60
RT-40-200 M	T-piece	1431362	E90	TPK-300 HDG	Gate support	1449493	E90	WMT-100-100 L=3000 HST	Wire mesh tray	1448615	E60
RT-40-200 PG	T-piece	1431352	E90	TPK-400 HDG	Gate support	1449494	E90	WMT-100-200 L=3000 EG	Wire mesh tray	1448416	E60
RT-40-300 M	T-piece	1431363	E90	TPK-500 HDG	Gate support	1449495	E90	WMT-100-200 L=3000 HDG	Wire mesh tray	1448516	E60
RT-40-300 PG	T-piece	1431353	E90	TPK-600 HDG	Gate support	1449496	E90	WMT-100-200 L=3000 HST	Wire mesh tray	1448616	E60
RT-40-400 M	T-piece	1431364	E90	VF HDG	T-branch bracket	1449666	E90	WMT-150-200 L=3000 EG	Wire mesh tray	1448423	E60
RT-40-400 PG	T-piece	1431354	E90	VF PG	T-branch bracket	1449890	E90	WMT-150-200 L=3000 HDG	Wire mesh tray	1448523	E60
RT-40-500 M	T-piece	1431365	E90	VK-150 2KN HDG	Wall support	1449590	E90	WMT-150-200 L=3000 HST	Wire mesh tray	1448623	E60
RT-40-500 PG	T-piece	1431355	E90	VK-200 2KN HDG	Wall support	1449591	E90	WMT-50-100 L=3000 EG	Wire mesh tray	1448408	E60
RT-60-100 M	T-piece	1432291	E90	VK-300 2KN HDG	Wall support	1449592	E90	WMT-50-100 L=3000 HDG	Wire mesh tray	1448508	E60
RT-60-100 PG	T-piece	1432281	E90	VK-400 2KN HDG	Wall support	1449593	E90	WMT-50-100 L=3000 HST	Wire mesh tray	1448608	E60
RT-60-200 M	T-piece	1432292	E90	VK-500 2KN HDG	Wall support	1449594	E90	WMT-50-200 L=3000 EG	Wire mesh tray	1448409	E60
RT-60-200 PG	T-piece	1432282	E90	VK-600 2KN HDG	Wall support	1449595	E90	WMT-50-200 L=3000 HDG	Wire mesh tray	1448509	E60
RT-60-300 M	T-piece	1432293	E90	VK2 HDG	Wall bracket	1449671	E90	WMT-50-200 L=3000 HST	Wire mesh tray	1448609	E60
RT-60-300 PG	T-piece	1432283	E90	VK2 PG	Wall bracket	1449479	E90	WMT-50-70 L=3000 EG	Wire mesh tray	1448407	E60
RT-60-400 M	T-piece	1432294	E90	VK3 HDG	Wall bracket	1449668	E90	WMT-50-70 L=3000 HDG	Wire mesh tray	1448507	E60
RT-60-400 PG	T-piece	1432284	E90	VKF-200 4KN HDG	Wall support	1449622	E90	WMT-50-70 L=3000 HST	Wire mesh tray	1448607	E60
RT-60-500 M	T-piece	1432295	E90	VKF-300 4KN HDG	Wall support	1449623	E90	ÄF HDG	End bracket	1449679	E90
RT-60-500 PG	T-piece	1432285	E90	VKF-400 4KN HDG	Wall support	1449624	E90				
RTF-10 HDG	Ceiling bracket	1449652	E90	VKF-500 4KN HDG	Wall support	1449625	E90				
RTF-10 PG	Ceiling bracket	1449484	E90	VKF-600 4KN HDG	Wall support	1449626	E90				
RTF-16 HDG	Ceiling bracket	1449653	E90	VKF-700 4KN HDG	Wall support	1449627	E90				
RTF-S HDG	Ceiling bracket	1449654	E90	VKZ-100 HDG	Wall support	1429109	E90				
RTF-S PG	Ceiling bracket	1449478	E90	VKZ-100 HST	Wall support	1429113	E90				
RTF-Z HDG	Ceiling bracket	1449656	E90	VKZ-100 PG	Wall support	1429105	E90				
SK-150 L=1550 PG	Cover	1449711	E90	VKZ-200 HDG	Wall support	1429110	E90				
SK-150 L=1550 XPG	Cover	1433421	E90	VKZ-200 HST	Wall support	1429114	E90				
SK-200 L=1550 PG	Cover	1449712	E90	VKZ-200 PG	Wall support	1429106	E90				
SK-200 L=1550 XPG	Cover	1433422	E90	VKZ-300 HDG	Wall support	1429111	E90				
SK-300 L=1550 PG	Cover	1449713	E90	VKZ-300 HST	Wall support	1429115	E90				
SK-300 L=1550 XPG	Cover	1433423	E90	VKZ-300 PG	Wall support	1429107	E90				
SK-400 L=1550 PG	Cover	1449714	E90	VKZ-400 HDG	Wall support	1429112	E90				
SK-400 L=1550 XPG	Cover	1433424	E90	VKZ-400 HST	Wall support	1429116	E90				
SK-500 L=1550 PG	Cover	1449715	E90	VKZ-400 PG	Wall support	1429108	E90				
SK-500 L=1550 XPG	Cover	1433425	E90	VKZ-N-100 HDG	Wall support	1429122	E90				
SK-600 L=1550 PG	Cover	1449716	E90	VKZ-N-100 HST	Wall support	1429126	E90				
SK-600 L=1550 XPG	Cover	1433426	E90	VKZ-N-100 PG	Wall support	1429117	E90				
SMT HDG	Sliding nut	1449684	E90	VKZ-N-200 HDG	Wall support	1429123	E90				
SR-100 L=2000 PG	Low voltage gutter	1449702	E90	VKZ-N-200 HST	Wall support	1429127	E90				
SR-100 L=2000 XPG	Low voltage gutter	1433464	E90	VKZ-N-200 PG	Wall support	1429118	E90				
SR-150 L=2000 PG	Low voltage gutter	1449703	E90	VKZ-N-300 HDG	Wall support	1429124	E90				
SR-150 L=2000 XPG	Low voltage gutter	1433465	E90	VKZ-N-300 HST	Wall support	1429128	E90				
SR-50 L=2000 PG	Low voltage gutter	1449701	E90	VKZ-N-300 PG	Wall support	1429119	E90				
SR-50 L=2000 XPG	Low voltage gutter	1433463	E90	VKZ-N-400 HDG	Wall support	1429125	E90				
SSR HDG	Joint	1449669	E90	VKZ-N-400 HST	Wall support	1429129	E90				
SSR PG	Joint	1449482	E90	VKZ-N-400 PG	Wall support	1429121	E90				
SSU HDG	Joint	1449670	E90	WMT CL EG	Connector set	1448710	E60				
TP1-1000 HDG	Ceiling support	1449604	E90	WMT CL HDG	Connector set	1448703	E60				
TP1-1500 HDG	Ceiling support	1449606	E90	WMT CL HST	Connector set	1448706	E60				
TP1-2000 HDG	Ceiling support	1449608	E90	WMT CL1 EG	Connector plate	1448712	E60				
TP1-250 HDG	Ceiling support	1449601	E90	WMT CL1 HDG	Connector plate	1448709	E60				
TP1-500 HDG	Ceiling support	1449602	E90	WMT CL1 HST	Connector plate	1448700	E60				
TP1-750 HDG	Ceiling support	1449603	E90	WMT SC1 EG	Snap in connector	1448723	E60				
TP2-1000 HDG	Ceiling support	1449613	E90	WMT SC1 HDG	Snap in connector	1448724	E60				
TP2-1500 HDG	Ceiling support	1449615	E90	WMT SC1 HST	Snap in connector	1448725	E60				
TP2-2000 HDG	Ceiling support	1449617	E90	WMT SC2 EG	Snap in connector	1448726	E60				
TP2-3000 HDG	Ceiling support	1449618	E90	WMT SC2 HDG	Snap in connector	1448727	E60				
TP2-500 HDG	Ceiling support	1449610	E90	WMT SC2 HST	Snap in connector	1448728	E60				
TP2-L-1000 HDG	Ceiling support	1449131	E90	WMT UC EG	Connection set	1448711	E60				
TP2-L-1500 HDG	Ceiling support	1449132	E90	WMT UC HDG	Connection set	1448701	E60				
TP2-L-2000 HDG	Ceiling support	1449133	E90	WMT UC HST	Connection set	1448702	E60				
TP2-L-3000 HDG	Ceiling support	1449134	E90	WMT UC1 EG	Connection plate	1448713	E60				
TP2-L-500 HDG	Ceiling support	1449130	E90	WMT UC1 HDG	Connection plate	1448704	E60				
TP2-P-1000 HDG	Ceiling support	1449141	E90	WMT UC1 HST	Connection plate	1448707	E60				
TP2-P-1500 HDG	Ceiling support	1449142	E90	WMT UC1D EG	Connection plate	1448714	E60				
TP2-P-2000 HDG	Ceiling support	1449143	E90	WMT UC1D HDG	Connection plate	1448705	E60				







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