E30, E90 Systems acc. to DIN4102-12

Important Notice

In Europe there is no harmonized norm or regulation regarding Integrated Function Maintnance (fire protection system). Each country could have its own norm or regulation, however the most commonly used one is German standard DIN4102-12. DIN 4102-12 has been introduced by approved testing and certification organisations in Germany, as the effect of years of experience and numerous tests to maintain electric systems circuit integrity in the event of fire.
Among fundamental assumptions of the DIN 4102-12 standard is testing carefully if all systems of cables and conduits, including mounting elements, effectively provide power supply to human life saving devices in the event of fire.
BAKS has carried out more than sixty product tests together with the following cable manufactures: Bitner, Dätwyler, Elkond, Elpar, Eupen, Facab Lynen, Kabtek, Madex, Nexans, NKT, Prakab, Studer, Technokabel, TELE-FONIKA. All tests were conducted at the three accredited institutes, i.e. DMT Dortmund, Fires Baltizovce, and ITB Fire Testing Laboratory in Warsaw, and confirmed by applicable certificates.

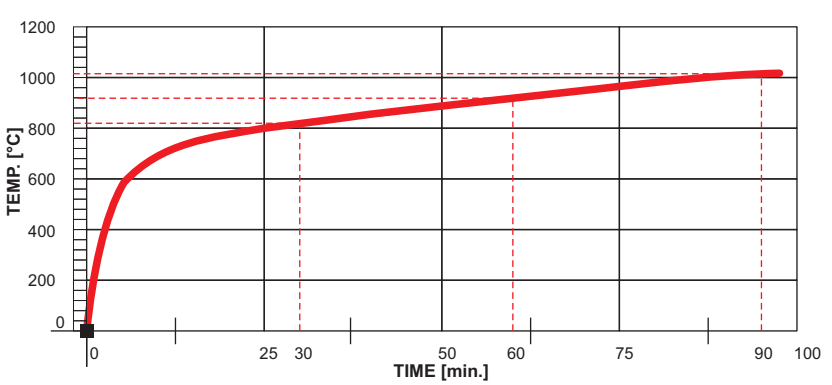
Important! Up until now BAKS has carried out flaming tests with the following cable producers:
Bitner, Dätwyler, Elkond, Eupen, Facab Lynen, Madex, Kabtek, Nexans, NKT, Prakab, Studer, Technokabel and TELE-FONIKA Kable

System Circuit Integrity in the Event of Fire – E30, E90 Systems

Particular emphasis has been recently placed on maintaining human safety in public utility buildings and commercial and industrial occupancies in fire conditions. Therefore, it is of vital importance that the fire emergency and signalling systems are reliable. To comply with the new safety requirements BAKS decided to carry out tests in order to implement a new and modified cable tray and ladder system, in conformity with DIN 102 part 12.
Therefore, a cable management system together with all the cables must be inspected to ensure that during a fire all electricity receivers are incessantly supplied with electric energy for the required period of time.
Uninterrupted functioning of electrical installation in accordance with existing regulations is understood as continuous supply of electric power in a facility in fire conditions. The above requirements do not refer to the whole electrical supply system in the facility but to its particular circuit groups only, which are relevant for special safety protection of a large number of people gathered therein.
Typical examples of such circuits include emergency lighting, sound alarms, ventilation devices in hotels, hospitals, and in any other public utility and commercial occupancies where large groups of people frequently gather.
The standard is obligatory for low voltage that does not exceed 1kV. System Circuit Integrity in the Event of Fire in the facility is classified within two different emergency running time groups: E30 and E90 Systems.
Example:

Marking E30 means that the requirement for maintaining circuit integrity of emergency machinery and equipment to continue functioning in the building structure in the event of fire must not be shorter than 30 minutes. This standard is designed for fire signalling, monitoring devices, and evacuation lighting, where water sprinkling systemis installed.
Marking E90 means that the requirement for maintaining circuit integrity of emergency machinery and equipment to continue functioning in the building structure in the event of fire must be 90 minutes or longer. It has been designed for ventilation devices of stairways and emergency exits, lift shafts, raising of fire water pressure, and for devices that evacuate smoke and combustion gases.

BAKS has carried out repeated special tests in the accredited fire testing laboratories in Germany and Slovakia. They were made on ceilings of cell and B20 class of concrete. The base of research conducted according to the DIN 4102 norm were standard tests with products placed in a fire test furnace. The process of preheating was conducted according to an internationally accepted time-temperature curve diagram.



The support systems offered by BAKS comply with DIN 4102 part 12.
Accordingly, cable ladders may be suspended from ceilings, cable trays mounted to walls, fire resistant cables attached to ceilings both in the vertical and horizontal plane, fixed to walls with a single support or ladder length.
For all systems several manufacturing and finishing methods are available for installers to select the most appropriate option to suit onsite conditions.

Each Certificate of Conformity is issued by BAKS upon inspecting the completed electrical installation

BAKS SUPPORTING SYSTEMS - REPORTS FROM TESTS WITH THE E30, E90 INTEGRATED FUNCTION MAINTANANCE CLASS

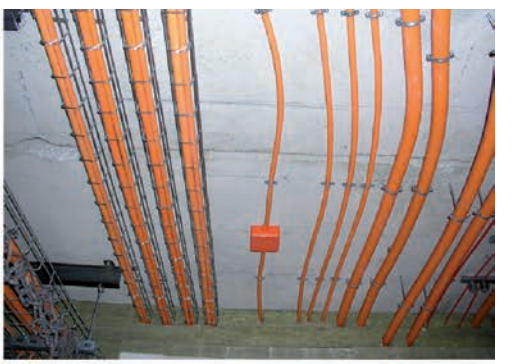
Producers	Report Classification
BITNER ZAKŁADY KABLOWE Zakłady Kablowe BITNER ul. Freiedleina 3/3 30-009 Kraków	1. FIRES Slovakia: Test report no. FR-090-10-AUNE of 24.05.2010 2. FIRES Slovakia: Test report no. FR-171-10-AUNE of 14.10.2010 3. FIRES Slovakia: Test report no. FR-044-11-AUNE of 20.05.2011 4. FIRES Slovakia: Test report no. FR-0030-13-AUNE of 28.02.2013 5. DMT Germany: Test report no. 31/55 of 01.03.2012 6. FIRES Slovakia: Test report no. FR-0060-13-AUNE of 19.04.2013 7. FIRES Slovakia: Test report no. FR-030-13-AUNE of 28.02.2013 8. DMT Germany: Test report no 31/58 of 07.08.2013 9. FIRES Slovakia: Test report no. FR-066-14-AUNE of 23.05.2014 10. FIRES Slovakia: Test report no. FR-129-14-AUNE of 17.07.2014 11. FIRES Slovakia: Test report no. FR-062-15-AUNE2 of 26.05.2015 12. FIRES Slovakia: Test report no. FR-029-16-AUNE3 of 29.04.2016
Dätwyler Cables Datwyler Kabel-Systeme Reprezentant w Polsce Dariusz Czarnecki ul. Poniatowskiego 9a 05-870 Błonie	1. DMT Germany: Test report no. 31/53 of 19.12.2013 2. DMT Germany: Test report no. 31/59 of 25.04.2014 3. MPA iBMB Germany: Test report no. 3593/674/14 of 21.07.2014 4. FIRES Slovakia: Test report no. FR-062-15-AUNE2 of 09.03.2015 5. DMT Germany: Test report no. 31/75 of 01.03.2016 6. DMT Germany: Test report no. 31/82 of 30.05.2016
ELKOND HHK fabrika káblov Oravická 1228 Trstená 028 01 Slovenská republika	FIRES Slovakia: Test report no. FR-063-08-AUNE of 27.05.2008 FIRES Slovakia: Test report no. FR-225-14-AUNE2 of 22.12.2014
EL PAR Fabryka kabli ELPAR SP of o.o. ul.Laskowska 1, 21-200 Parczew	1. FIRES Slovakia: Test report no. FR-143-14-AUNE3 of 22.08.2014 2. FIRES Slovakia: Test report no. FR-156-14-AUNE2 of 28.08.2014 3. FIRES Slovakia: Test report no. FR-035-15-AUNE2 of 10.04.2015
EUPEN KABELWERK Eupen AG Malmedyer Strasse 9 4700 Eupen (Belgia)	1. DMT Germany: Test report no. 31/49 of 15.04.2010 2. DMT Germany: Test report no. 31/50 of 23.08.2010 3. DMT Germany: Test report no. 31/57 of 19.12.2013 4. DMT Germany: Test report no. 31/60 of 15.01.2014
FACAB LYNEN FACAB LYNEN Dürener Straße 340, 52249 Eschweiler	1. DMT Germany: Test report no. 31/20 of 21.04.2006 2. DMT Germany: Test report no. 31/22 of 31.07.2006
KABTEK Alipaşa mevkii Sanayi 12 Sokak No:7 , Silivri - İstanbul / TURKEY	1. FIRES Slovakia: Test report no. FR-217-13-AUNE of 27.09.2012
FABRYKA KABLI MADEX ul. Żurawia 96, 05-462 Wiązowna, Stefanówka	1. FIRES Slovakia: Test report no. FR-102-12-AUNE of 18.05.2012 2. FIRES Slovakia: Test report no. FR-245-12-AUNE of 13.12.2012
Nexans NEXANS Deutschland Industries Einersbergstraße 1 36404 Vacha	1. DMT Germany: Test report no. 31/43 of 30.10.2009 2. DMT Germany: Test report no. 31/44 of 12.02.2009
nkt cables nkt cables S.A. ul. Gajowa 3 43-254 Warszowice	1. FIRES Slovakia: Test report no. FR-108-13-AUNE of 11.07.2013 2. FIRES Slovakia: Test report no. FR-224-13-AUNE of 02.12.2013 3. FIRES Slovakia: Test report no. FR-098-14-AUNE of 17.07.2014
PRAKAB PRAKAB Ke Kablu 278 102 09 Praha - Hostivař, Česká Republika	1. FIRES Slovakia: Test report no. FR-257-08-AUNE of 17.12.2008 2. Test to the Czech norm ZP27-2008 3. FIRES Slovakia: Test report no. FR-098-14-AUNE of 17.07.2014
STUDER CABLES Studer Cables Switzerland Herrenmattstrasse 20 CH-4658 Daniken	1. DMT Germany: Test report no. 31/29 of 31.01.2007 2. DMT Germany: Test report no. 31/30 of 31.01.2007 3. DMT Germany: Test report no. 31/34 of 22.08.2007 4. DMT Germany: Test report no. 31/61 of 22.05.2014 5. DMT Germany: Test report no. 31/70 of 04.08.2014 6. DMT Germany: Test report no. 31/86 of 24.08.2016
TECHNOKABEL TECHNOKABEL S.A. ul. Nasielska 55 04-343 Warszawa	1. FIRES Slovakia: Test report no. FR-121-10-AUNE of 25.06.2010 2. FIRES Slovakia: Test report no. FR-086-11-AUNE of 21.05.2011 3. FIRES Slovakia: Test report no. FR-266-11-AUNE of 23.02.2012r 4. FIRES Slovakia: Test report no. FR-020-12-AUNE of 29. 02. 2012 5. FIRES Slovakia: Test report no. FR-0135-12-AUNE of 19. 07. 2012 6. FIRES Slovakia: Test report no. FR-079-13-AUNE of 06. 06. 2013 7. FIRES Slovakia: Test report no. FR-160-13-AUNE of 26.09.2013 8. FIRES Slovakia: Test report no. FR-204-13-AUNE of 19.11.2013 9. FIRES Slovakia: Test report no. FR-049-14-AUNE of 04.04.2014 10. FIRES Slovakia: Test report no. FR-174-14-AUNE2 of 21.11.2014 11. FIRES Slovakia: Test report no. FR-243-14-AUNE2 of 26.01.2015 12. FIRES Slovakia: Test report no. FR-031-15-AUNE2 of 07.04.2015 13. FIRES Slovakia: Test report no. FR-112-15-AUNE2 of 01.07.2015 14. FIRES Slovakia: Test report no. FR-150-15-AUNE3 of 08.09.2015 15. FIRES Slovakia: Test report no. FR-018-16-AUNE3 of 26.04.2016
TF Kable TELE FONIKA Kable S.A. TELE-FONIKA Kable S.A. ul. Składowa 2 41-902 Bytom	1. FIRES Slovakia: Test report no. FR-201-09-AUNE of 14.01.2010 2. DMT Germany: Test report no. DMT-DO-31/51 of 29.09.2010 3. DMT Germany: Test report no. DMT-DO-31/52 of 02.12.2010 4. FIRES Slovakia: Test report no. FR-126-11-AUNE of 27.06.2011 5. FIRES Slovakia: Test report no. FR-196-11-AUNE of 26.10.2011 6. DMT Germany: Test report no. DMT-DO-31/51 of dn. 07.10.2012 7. FIRES Slovakia: Test report no. FR-005-13-AUNE of 24.01.2013 8. FIRES Slovakia: Test report no. FR-183-13-AUNE of 25.10.2013 9. FIRES Slovakia: Test report no. FR-016-14-AUNE of 11.07.2014 10. FIRES Slovakia: Test report no. FR-010-15-AUNE2 of 06.03.2015 11. FIRES Slovakia: Test report no. FR-202-15-AUNE2 of 12.01.2016

ATTENTION! Due to the introduction of innovative technologies In material and construction design, BAKS has done several examinations of new solutions in fire resistance system (extending the rules and standards of DIN4102-12)

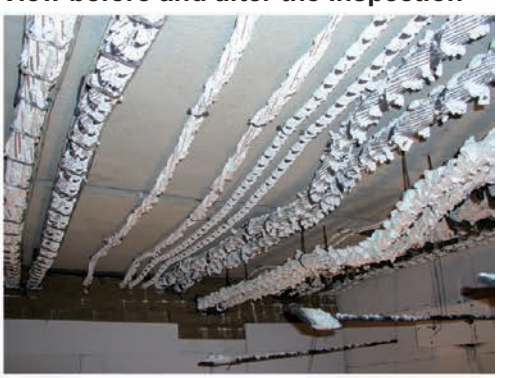
There is possibility to perform special fire examination with construction designed for a specific project

Flaming Testing of BAKS E90 Systems Carried out with Cables from BITNER

View before and after the inspection



View before and after the inspection



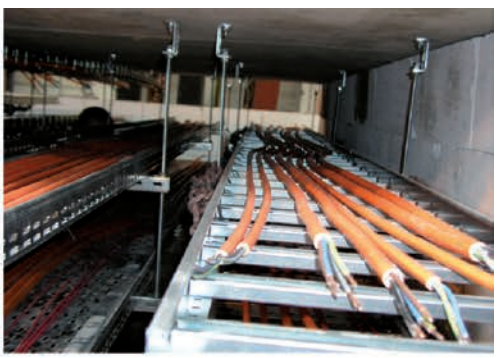
Flaming Testing of BAKS E90 Systems Carried out with Cables from DÄTWYLER

View before and after the inspection

View before and after the inspection

Flaming Testing of BAKS E90 Systems Carried out with Cables from ELKOND

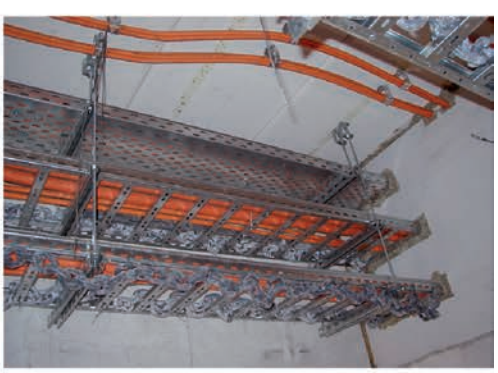
View before and after the inspection



View before and after the inspection

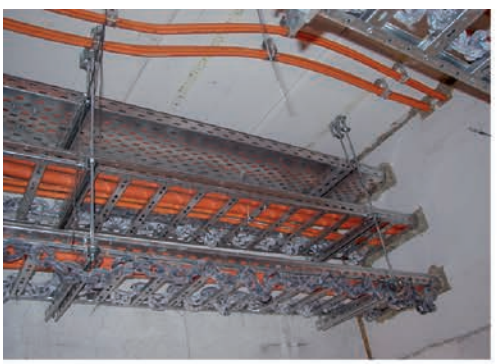
Flaming Testing of BAKS E90 Systems Carried out with Cables from EUPEN

View before and after the inspection



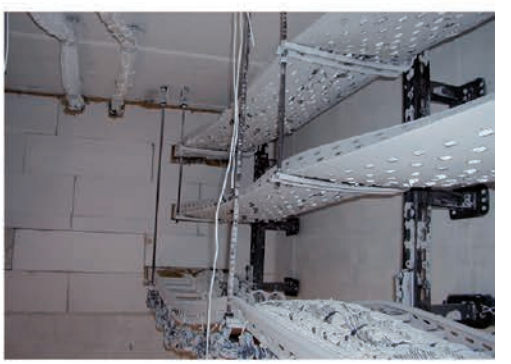
View before and after the inspection

Flaming Testing of BAKS E90 Systems
Carried out with Cables from TELEFONIKA



View before and after the inspection

View before and after the inspection



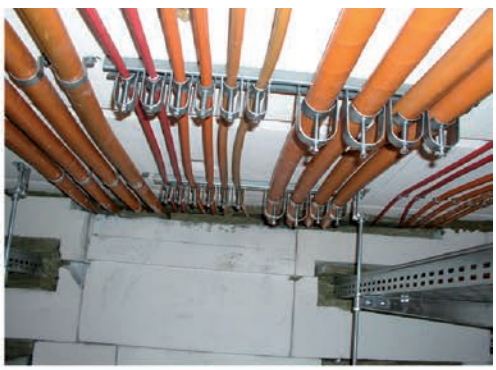
Flaming Testing of BAKS E90 Systems
Carried out with Cables from FACAB

View before and after the inspection

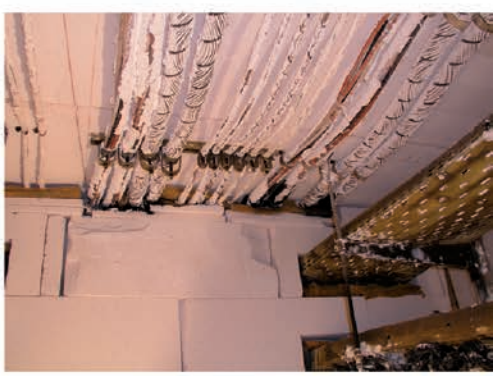
View before and after the inspection

Flaming Testing of BAKS E90 Systems Carried out with Cables from NEXANS

View before and after the inspection

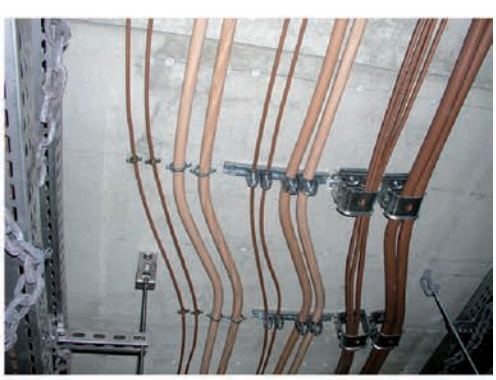


View before and after the inspection



Flaming Testing of BAKS E90 Systems Carried out with Cables from PRAKAB

View before and after the inspection



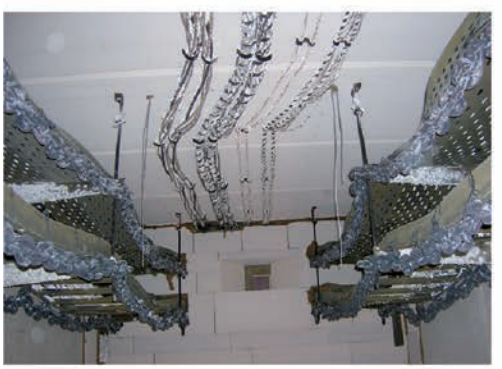
View before and after the inspection

Flaming Testing of BAKS E90 Systems
Carried out with Cables from STUDER

STUDER CABLES

View before and after the inspection

View before and after the inspection



Flaming Testing of BAKS E90 Systems
Carried out with Cables from TECHNOKABEL

TECHNOKABEL

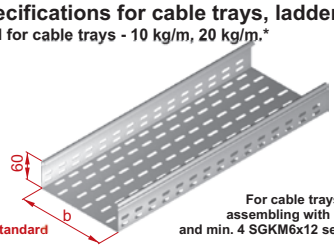
View before and after the inspection

View before and after the inspection

Basic Technical Data for the Installation of Fire Circuit Integrity Systems

1. Technical specifications for cable trays, ladders and and mesh trays

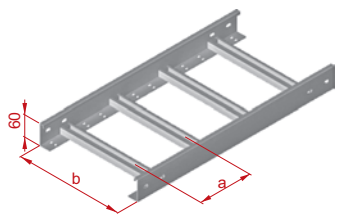
Safe working load for cable trays - 10 kg/m, 20 kg/m.*
Cable Tray Width:
b- 100 mm
b- 150 mm
b- 200 mm
b- 300 mm
b- 400 mm*
b- 500 mm*
b- 600 mm*



* Upgraded Testing Standard

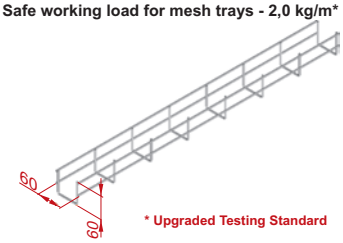
For cable trays of 1.5 mm steel thickness, assembling with LPP/LPOPH60N connectors and min. 4 SGKM6x12 sets of screws per connector.

Safe working load for ladders - 20 kg/m.
b- 100 mm
b- 200 mm
b- 300 mm
b- 400 mm
b- 500 mm*
b- 600 mm*



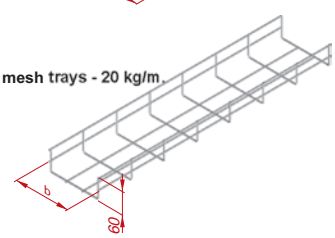
a=150 - standard
a*=300 mm - upgraded standard

Safe working load for mesh trays - 2,0 kg/m*



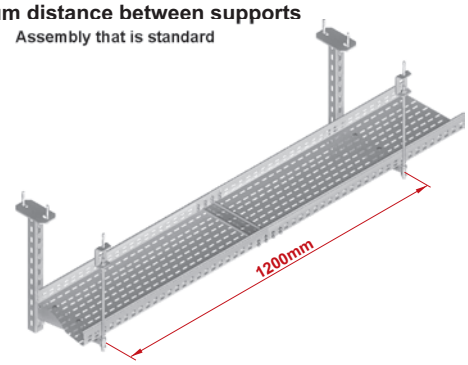
* Upgraded Testing Standard

Safe working load for mesh trays - 20 kg/m.
Cable Tray Width:
b- 100 mm*
b- 150 mm*
b- 200 mm*
b- 300 mm*
b- 400 mm*
b- 500 mm*
b- 600 mm*

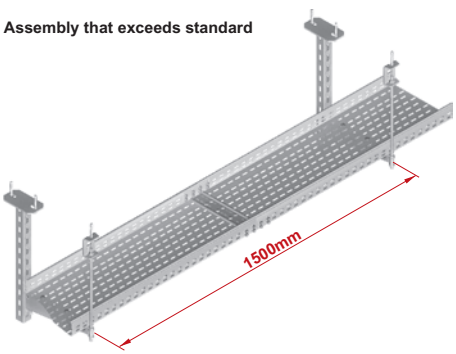


2. Maximum distance between supports

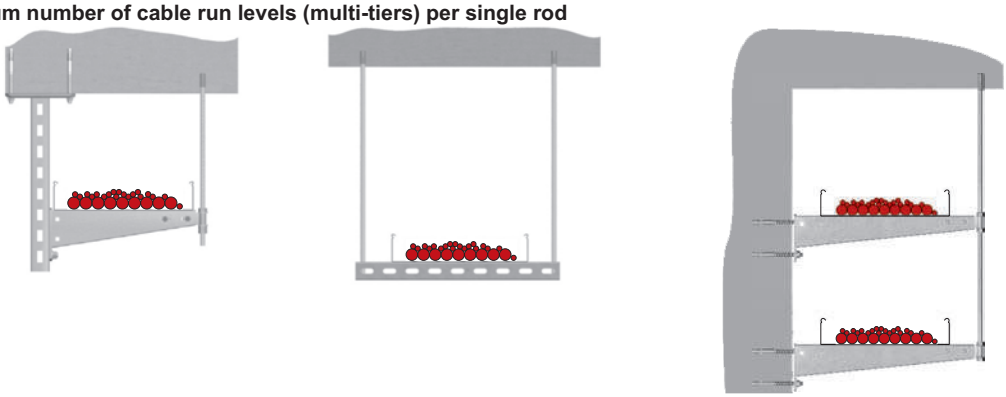
Assembly that is standard



Assembly that exceeds standard

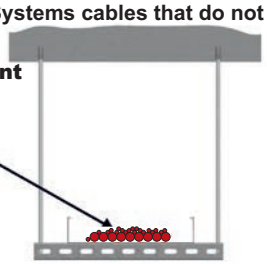


3. Maximum number of cable run levels (multi-tiers) per single rod

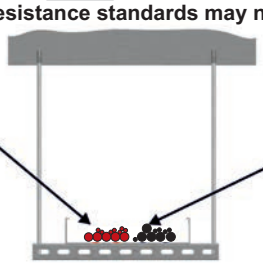


4. In E30 and E90 Systems cables that do not comply with the above CI fire resistance standards may not be distributed

Proper arrangement

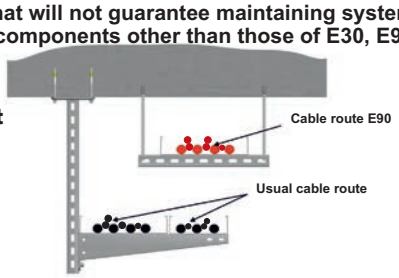


Improper arrangement



5. No cables that will not guarantee maintaining system circuit integrity are allowed above E30, E90 Systems, nor fastening components other than those of E30, E90 Systems is allowed

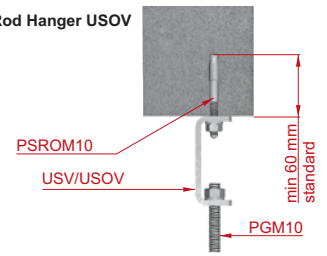
Proper arrangement



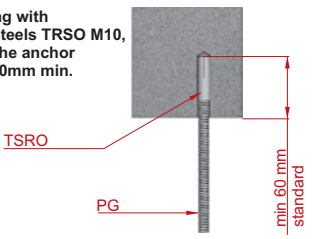
Improper arrangement

6. Mounting threaded rod onto ceiling

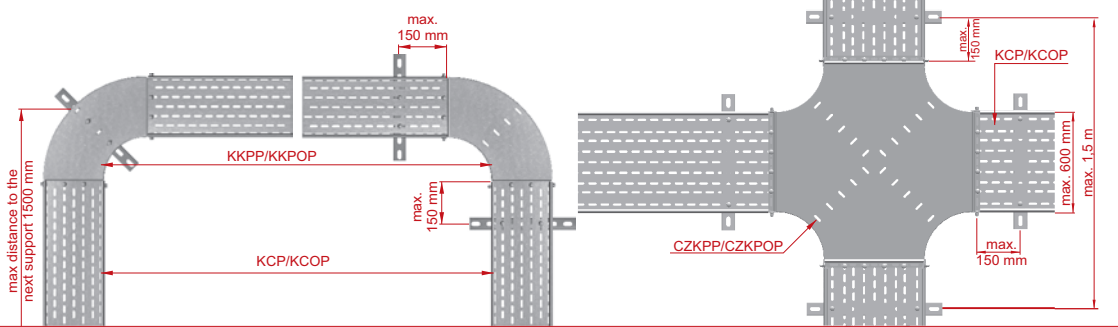
Indirectly through the use of Rod Hanger USOV and Bolt Anchor PSROM10

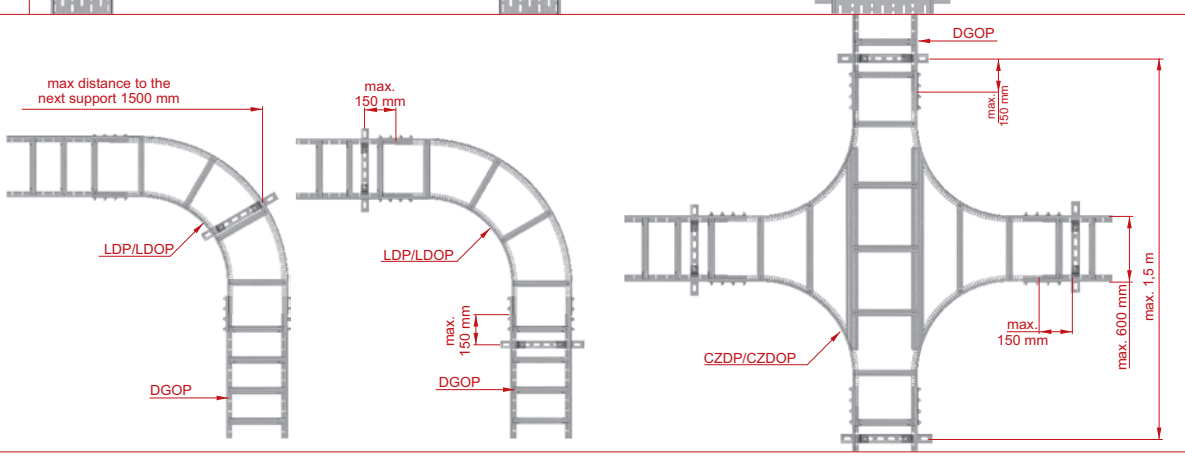


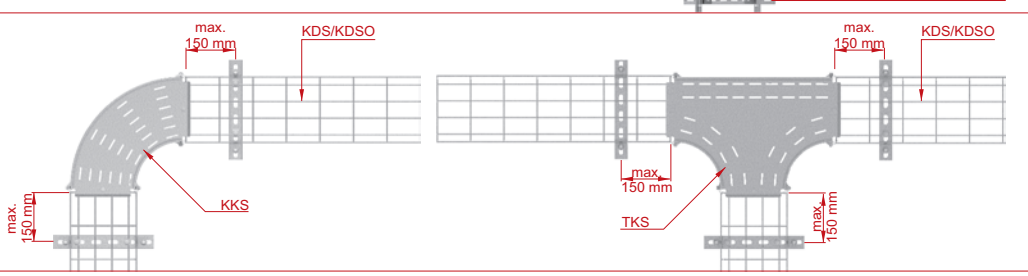
Directly onto ceiling with Drop-In Anchor - Steels TRSO M10, on condition that the anchor is concrete-sank 60mm min.



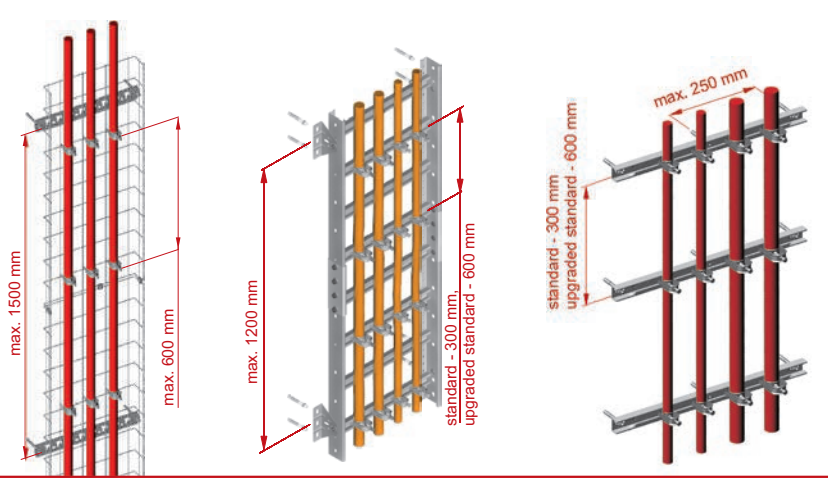
7. Recommended way to support the fittings close to the connection with straight section



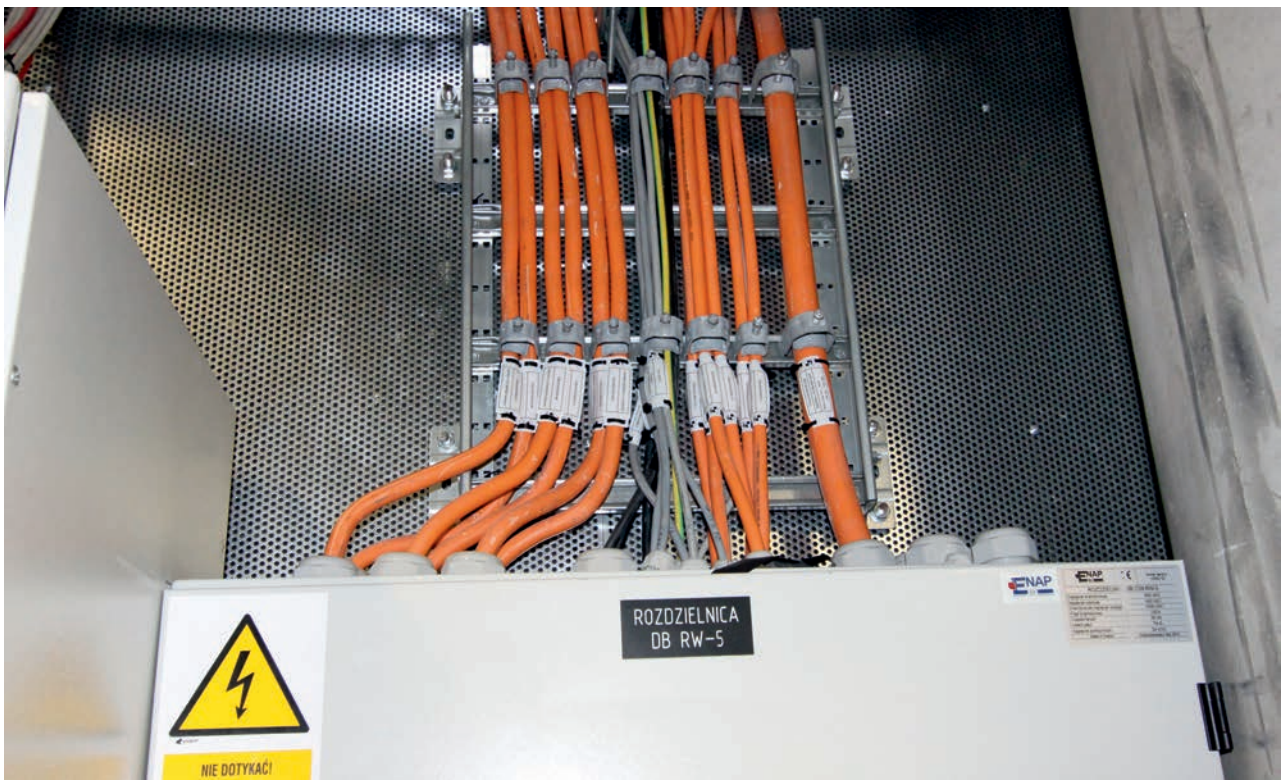




8. Routing cables in the vertical plane is possible only on mesh trays, ladder and rungs

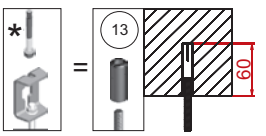


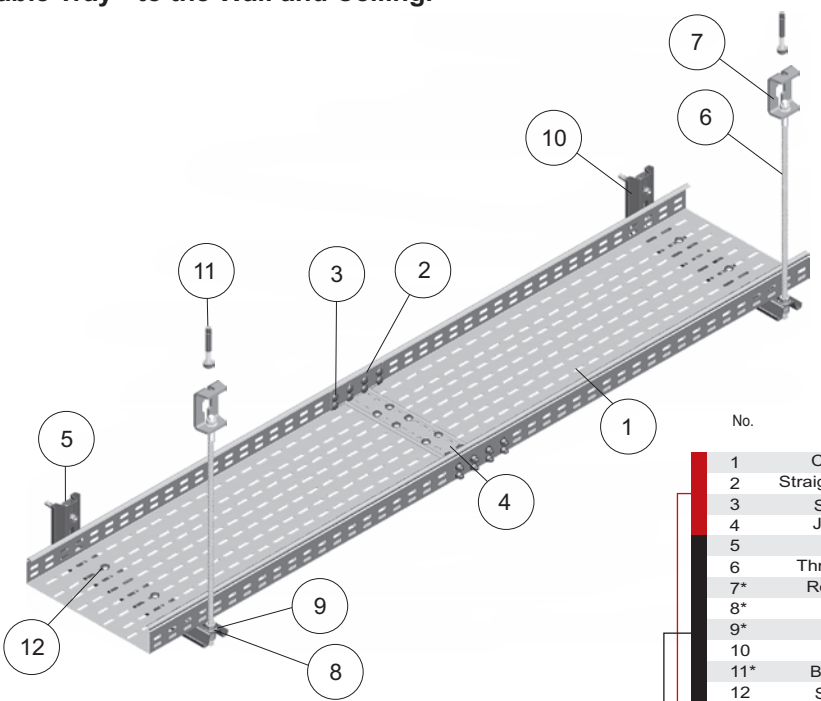
Note!
Standardized cable routes in vertical arrangement should be ducted in conformity with DIN4102-12, or every 3,5 m at the maximum, protected with the certified floor passageway in case of fire.


ROZDZIELNICA
DB RW-5
NIE DOTYKAĆ!

Example of Assembly for Cables Distribution - Cable Tray - to the Wall and Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





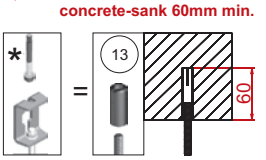
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	2
2	Straight Connector	LPP/LPOPH60	163111	2
3	Screw Set	SGKM6x12	651141	16
4	Joint Plate	BL/BLO300	100130	1
5	Spacer	PD11	803100	1
6	Threaded Rod	PGM10/1	651001	1
7*	Rod Hanger	USV/USOV	750709	1
8*	Washer	PP10	650544	4
9*	Nut	NSM10	650244	4
10	Bracket	WFL/WFLO300	720130	1
11*	Bolt Anchor	PSROM10x80	804100	1+1
12	Screw Set	SGKM6x12	651141	2
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	PP10	650544	2
9*	Nut	NSM10	650244	2
13*	Drop-In Anchor	TRSOM10	804800	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

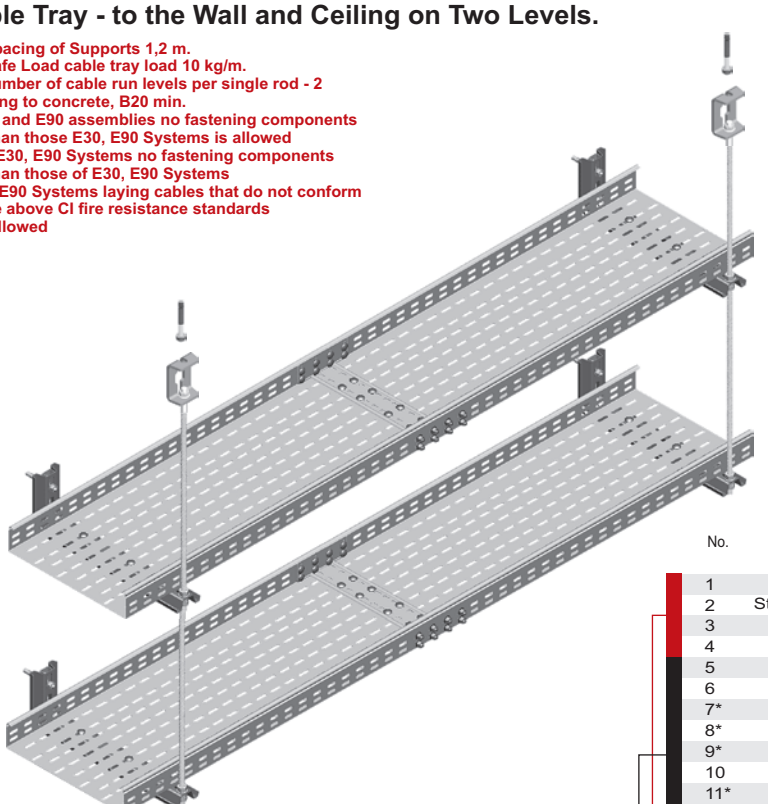
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

Example of Assembly for Cables Distribution - Cable Tray - to the Wall and Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.



- Max. Spacing of Supports 1,2 m.
- Max. Safe Load cable tray load 10 kg/m.
- Max. number of cable run levels per single rod - 2
- Fastening to concrete, B20 min.
- On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed
- Above E30, E90 Systems no fastening components other than those of E30, E90 Systems
- In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed



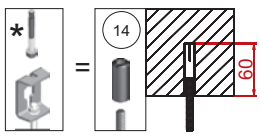
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	4
2	Straight Connector	LPP/LPOPH60	163111	4
3	Screw Set	SGKM6x12	651141	32
4	Joint Plate	BL/BLO300	100130	2
5	Spacer	PD11	803100	2
6	Threaded Rod	PGM10/1	651001	1
7*	Rod Hanger	USV/USOV	750709	1
8*	Washer	PP10	650544	6
9*	Nut	NSM10	650244	6
10	Bracket	WFL/WFLO300	720130	2
11*	Bolt Anchor	PSROM10x80	804100	2+1
12	Screw Set	SGKM6x12	651141	4
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	PP10	650544	4
9*	Nut	NSM10	650244	4
13*	Drop-In Anchor	TRSOM10	804800	1

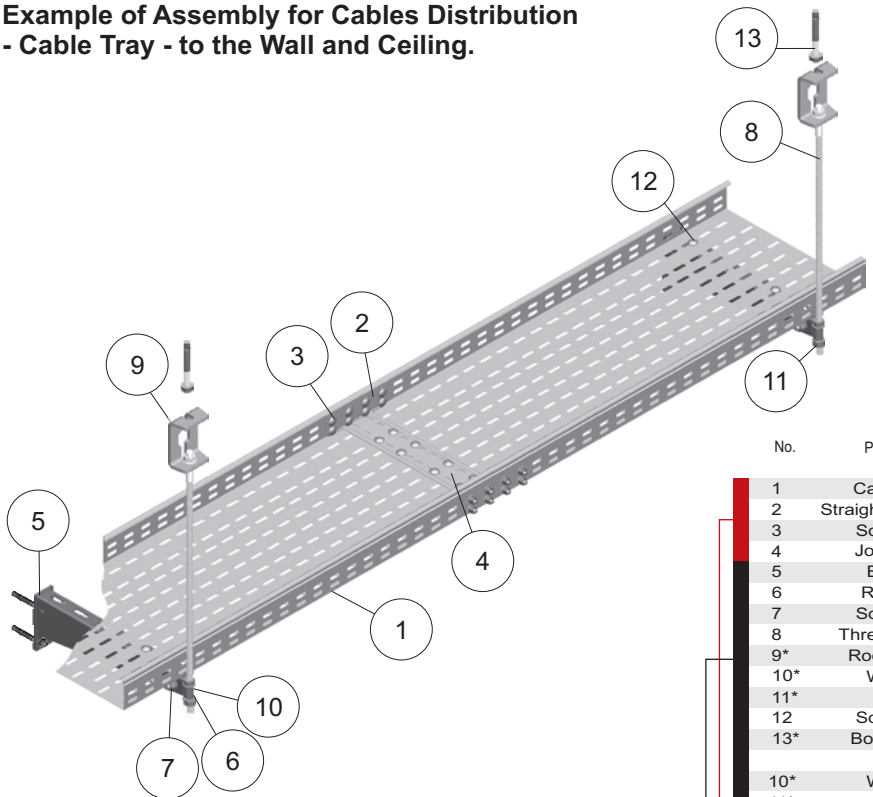
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m for 1 level

Example of Assembly for Cables Distribution - Cable Tray - to the Wall and Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	2
2	Straight Connector	LPP/LPOPH60	163111	2
3	Screw Set	SGKM6x12	651141	16
4	Joint Plate	BL/BLO300	100130	1
5	Bracket	WMC/WMCO300	711130	1
6	Rod Grip	UPW/UPWO	750100	1
7	Screw Set	SGKM8x14	651241	2
8	Threaded Rod	PGM10/1	651001	1
9*	Rod Hanger	USV/USOV	750709	1
10*	Washer	PP10	650544	4
11*	Nut	NSM10	650244	4
12	Screw Set	SGKM6x12	651141	2
13*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	PP10	650544	2
11*	Nut	NSM10	650244	2
14*	Drop-In Anchor	TRSOM10	804800	1

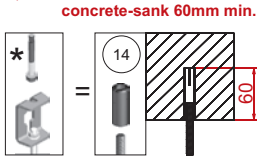
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

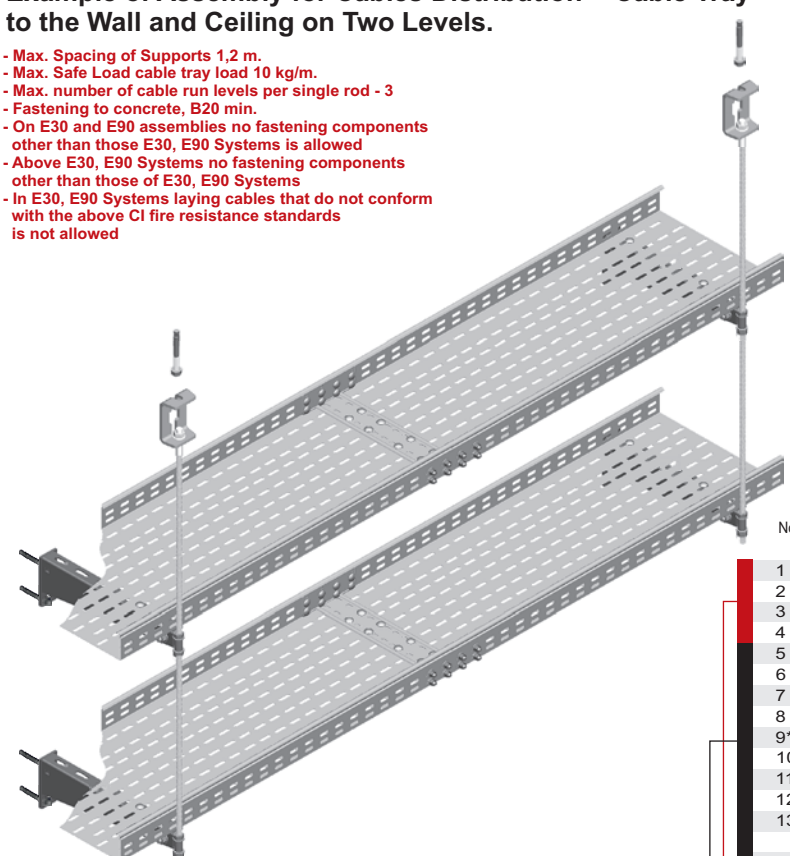
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

Example of Assembly for Cables Distribution - Cable Tray to the Wall and Ceiling on Two Levels.

- Max. Spacing of Supports 1,2 m.
- Max. Safe Load cable tray load 10 kg/m.
- Max. number of cable run levels per single rod - 3
- Fastening to concrete, B20 min.
- On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed
- Above E30, E90 Systems no fastening components other than those of E30, E90 Systems
- In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





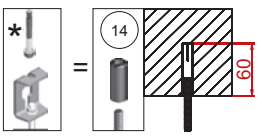
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	4
2	Straight Connector	LPP/LPOPH60	163111	4
3	Screw Set	SGKM6x12	651141	32
4	Joint Plate	BL/BLO300	100130	2
5	Bracket	WMC/WMCO300	711130	2
6	Rod Grip	UPW/UPWO	750100	2
7	Screw Set	SGKM8x14	651241	4
8	Threaded Rod	PGM10/1	651001	1
9*	Rod Hanger	USV/USOV	750709	1
10*	Washer	PP10	650544	6
11*	Nut	NSM10	650244	6
12	Screw Set	SGKM6x12	651141	4
13*	Bolt Anchor	PSROM10x80	804100	4+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	PP10	650544	4
11*	Nut	NSM10	650244	4
14*	Drop-In Anchor	TRSOM10	804800	1

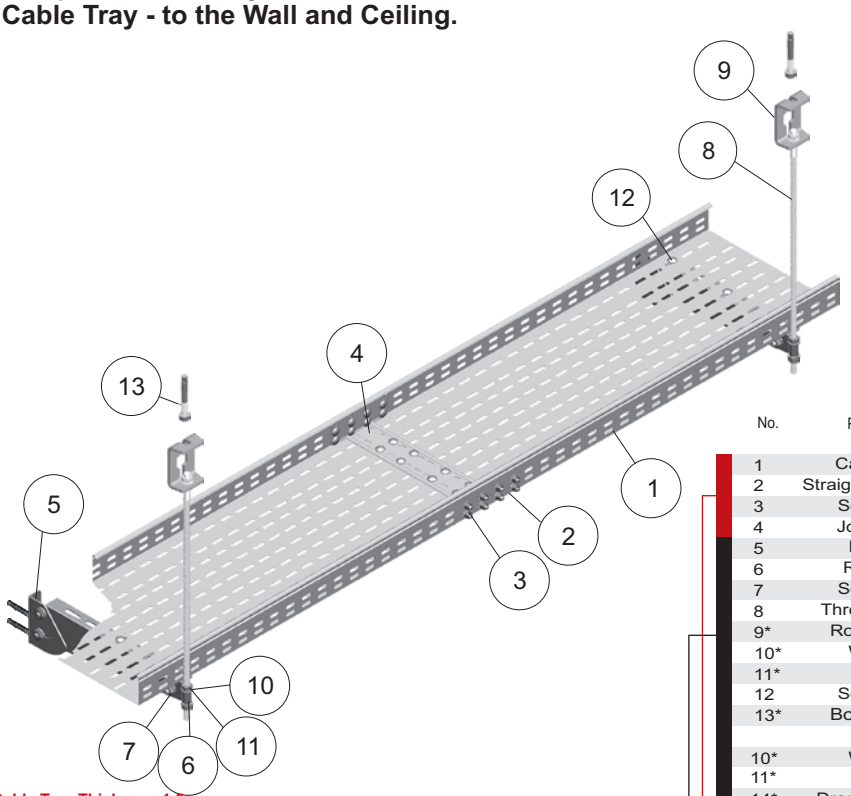
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m for 1 level

Example of Assembly for Cables Distribution - Cable Tray - to the Wall and Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

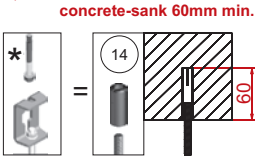
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP300H60/3**	**161430**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Screw Set	**SGKM6x12**	**651141**	16
4	Joint Plate	**BL/BLO300**	**100130**	1
5	Bracket	**WU/WUO300**	**805230**	1
6	Rod Grip	**UPW/UPWO**	**750100**	1
7	Screw Set	**SGKM8x14**	**651241**	2
8	Threaded Rod	**PGM10/1**	**651001**	1
9*	Rod Hanger	**USV/USOV**	**750709**	1
10*	Washer	**PP10**	**650544**	4
11*	Nut	**NSM10**	**650244**	4
12	Screw Set	**SGKM6x12**	**651141**	2
13*	Bolt Anchor	**PSROM10x80**	**804100**	2+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	**PP10**	**650544**	2
11*	Nut	**NSM10**	**650244**	2
14*	Drop-In Anchor	**TRSOM10**	**804800**	1

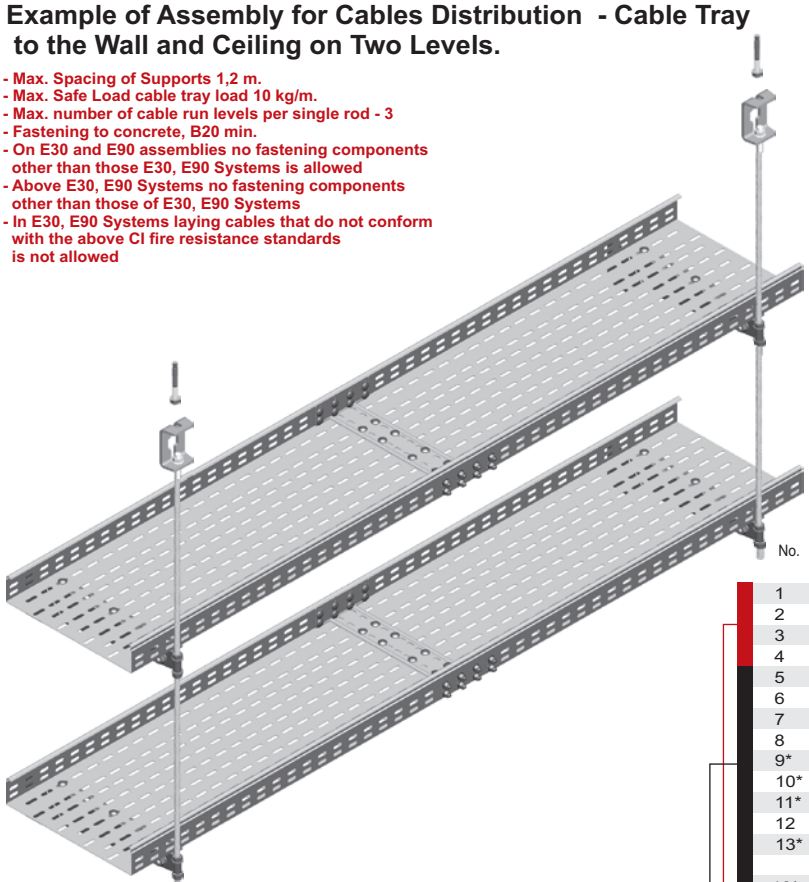
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Cable Tray to the Wall and Ceiling on Two Levels.

- **Max. Spacing of Supports 1,2 m.**
- **Max. Safe Load cable tray load 10 kg/m.**
- **Max. number of cable run levels per single rod - 3**
- **Fastening to concrete, B20 min.**
- **On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed**
- **Above E30, E90 Systems no fastening components other than those of E30, E90 Systems**
- **In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed**

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





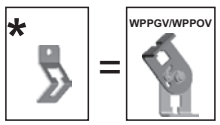
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m for 1 level

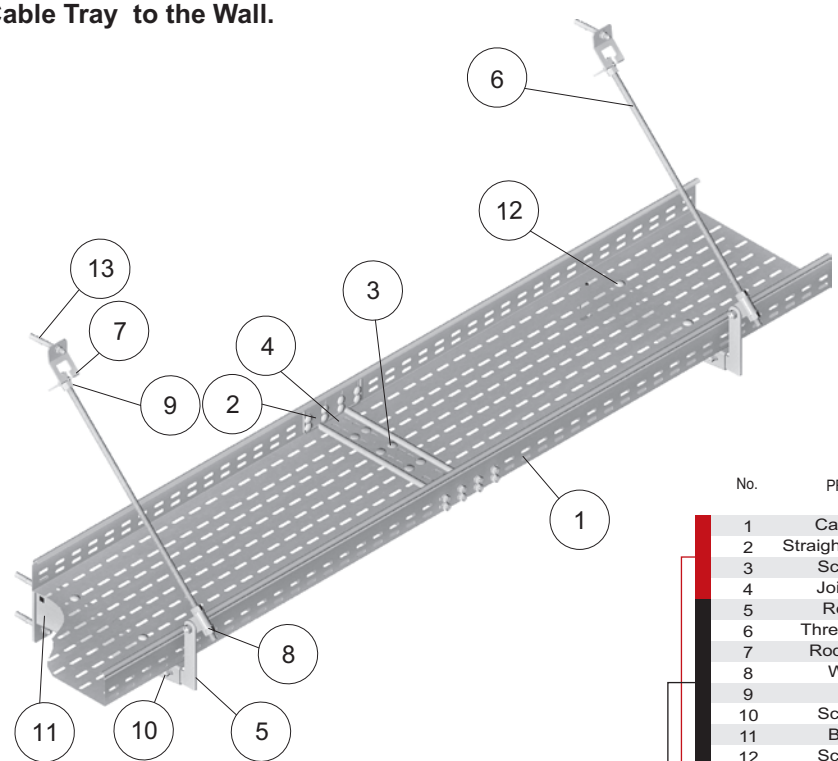
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP300H60/3**	**161430**	4
2	Straight Connector	**LPP/LPOPH60**	**163111**	4
3	Screw Set	**SGKM6x12**	**651141**	32
4	Joint Plate	**BL/BLO300**	**100130**	2
5	Bracket	**WU/WUO300**	**805230**	2
6	Rod Grip	**UPW/UPWO**	**750100**	2
7	Screw Set	**SGKM8x14**	**651241**	4
8	Threaded Rod	**PGM10/1**	**651001**	1
9*	Rod Hanger	**USV/USOV**	**750709**	1
10*	Washer	**PP10**	**650544**	6
11*	Nut	**NSM10**	**650244**	6
12	Screw Set	**SGKM6x12**	**651141**	4
13*	Bolt Anchor	**PSROM10x80**	**804100**	4+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	**PP10**	**650544**	4
11*	Nut	**NSM10**	**650244**	4
14*	Drop-In Anchor	**TRSOM10**	**804800**	1

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Cable Tray to the Wall.

Possibility to mount the threaded rod to the wall use Articulated Rod Hanger WPPGV/WPPOV and Anchor Bolt PSROM10



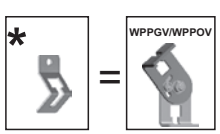


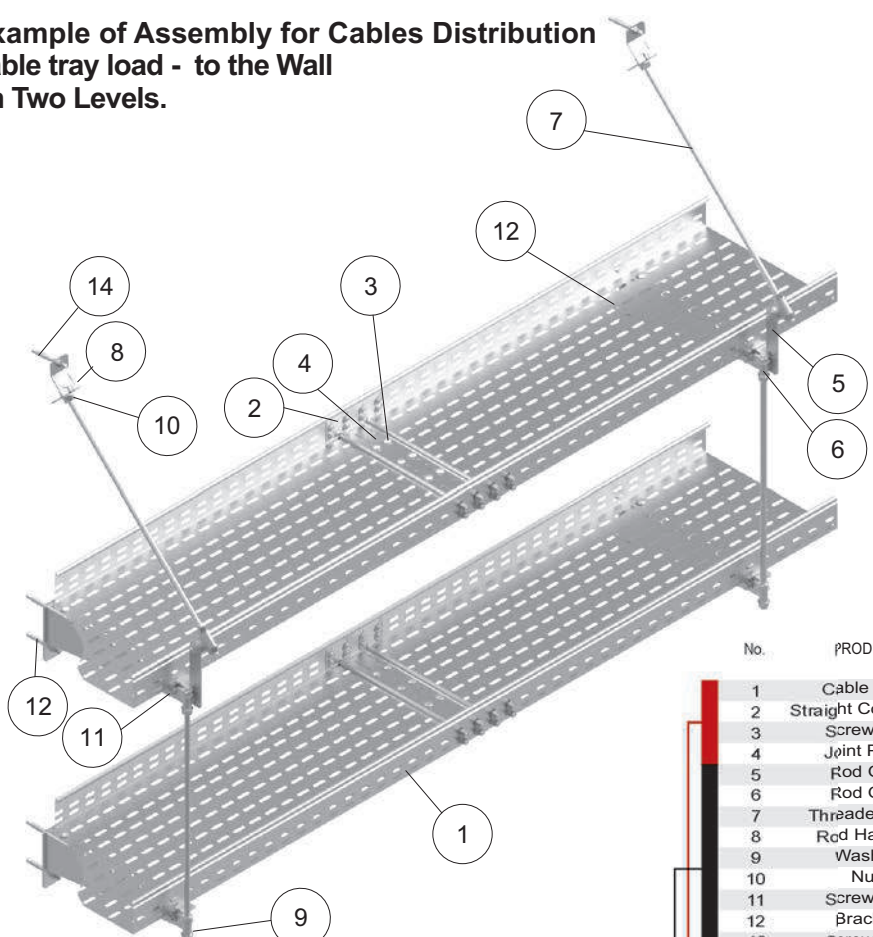
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	2
2	Straight Connector	LPP/LPOPH60	163111	2
3	Screw Set	SGKM6x12	651141	16
4	Joint Plate	BL/BLO300	100130	1
5	Rod Grip	UPWK/UPWKO	752900	1
6	Threaded Rod	PGM10/1	651001	1
7	Rod Hanger	WKPO	750809	1
8	Washer	PP10	650544	4
9	Nut	NSM10	650244	4
10	Screw Set	SGKM8x14	651241	2
11	Bracket	WMC/WMCO300	711130	1
12	Screw Set	SGKM6x12	651141	2
13	Bolt Anchor	PSROM10x80	804100	2+1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution cable tray load - to the Wall on Two Levels.





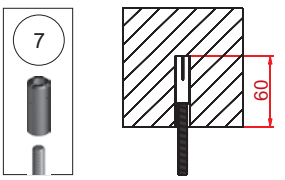
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

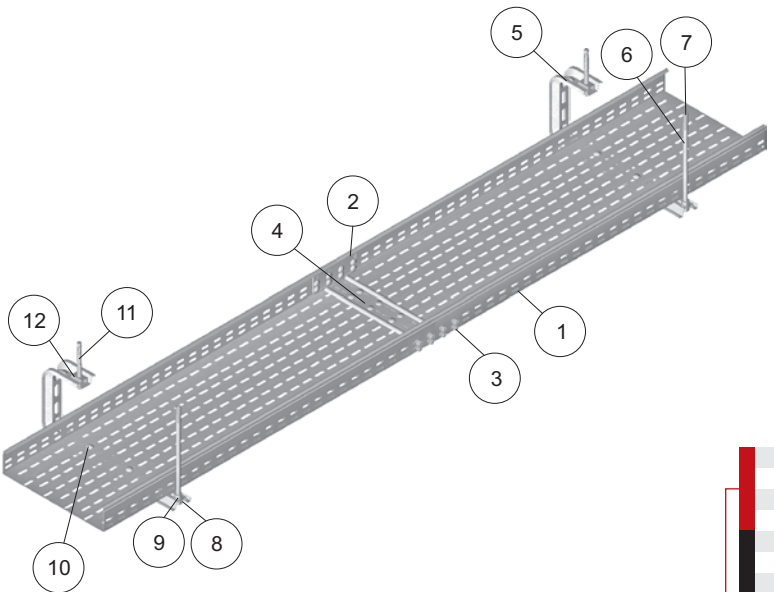
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	4
2	Straight Connector	LPP/LPOPH60	163111	4
3	Screw Set	SGKM6x12	651141	32
4	Joint Plate	BL/BLO300	100130	2
5	Rod Grip	UPWK/UPWKO	752900	1
6	Rod Grip	UPW/UPWO	750100	2
7	Threaded Rod	PGM10/1	651001	2
8	Rod Hanger	WKPO	750809	1
9	Washer	PP10	650544	8
10	Nut	NSM10	650244	8
11	Screw Set	SGKM8x14	651241	4
12	Bracket	WMC/WMCO300	711130	2
13	Screw Set	SGKM6x12	651141	4
14	Bolt Anchor	PSROM10x80	804100	5

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling: TRSOM... concrete-sank 60mm min.





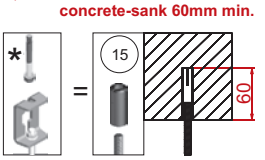
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	2
2	Straight Connector	LPP/LPOPH60	163111	2
3	Screw Set	SGKM6x12	651141	16
4	Joint Plate	BL/BLO300	100130	1
5	Bracket	WFC/WFCO300	720330	1
6	Threaded Rod	PGM10/1	651001	1
7	Drop-In Anchor	TRSOM10	804800	1
8	Washer	PP10	650544	2
9	Nut	NSM10	650244	2
10	Screw Set	SGKM6x12	651141	2
11	Bolt Anchor	PSROM10x80	804100	1
12	Spacer	PD11	803100	1

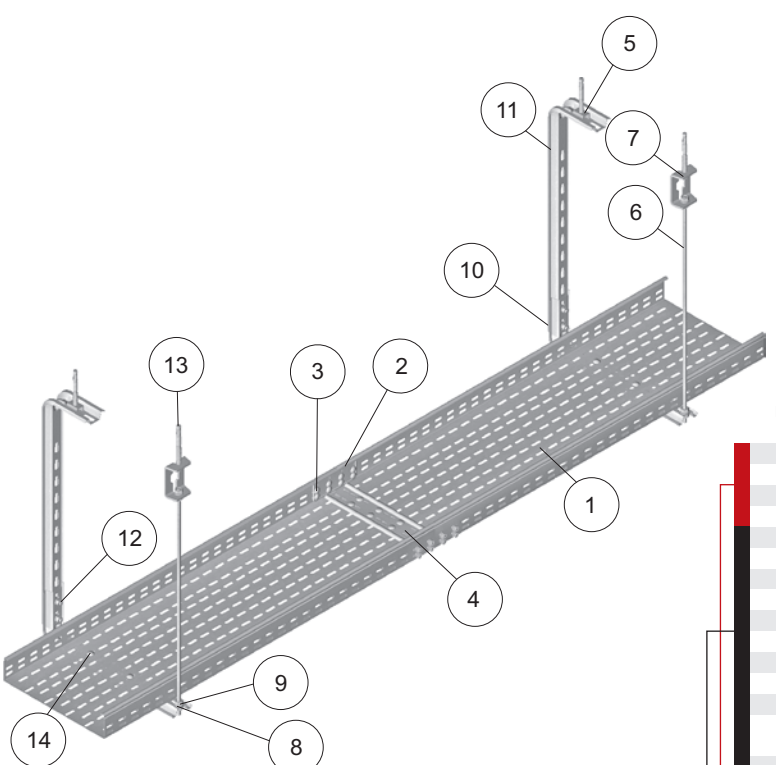
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

Example of Assembly for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





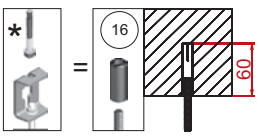
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	2
2	Straight Connector	LPP/LPOPH60	163111	2
3	Screw Set	SGKM6x12	651141	16
4	Joint Plate	BL/BLO300	100130	1
5	Spacer	PD11	803100	1
6	Threaded Rod	PGM10/1	651001	1
7*	Rod Hanger	USV/USOV	750709	1
8*	Washer	PP10	650544	4
9*	Nut	NSM10	650244	4
10	Bracket	WFL/WFLO300	720130	1
11	Bracket	WFL/WFLO500	720150	1
12	Screw Set	SMM10x20	650743	2
13*	Bolt Anchor	PSROM10x80	804100	1+1
14	Screw Set	SGKM6x12	651141	2
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	PP10	650544	2
9*	Nut	NSM10	650244	2
15	Drop-In Anchor	TRSOM10	804800	1

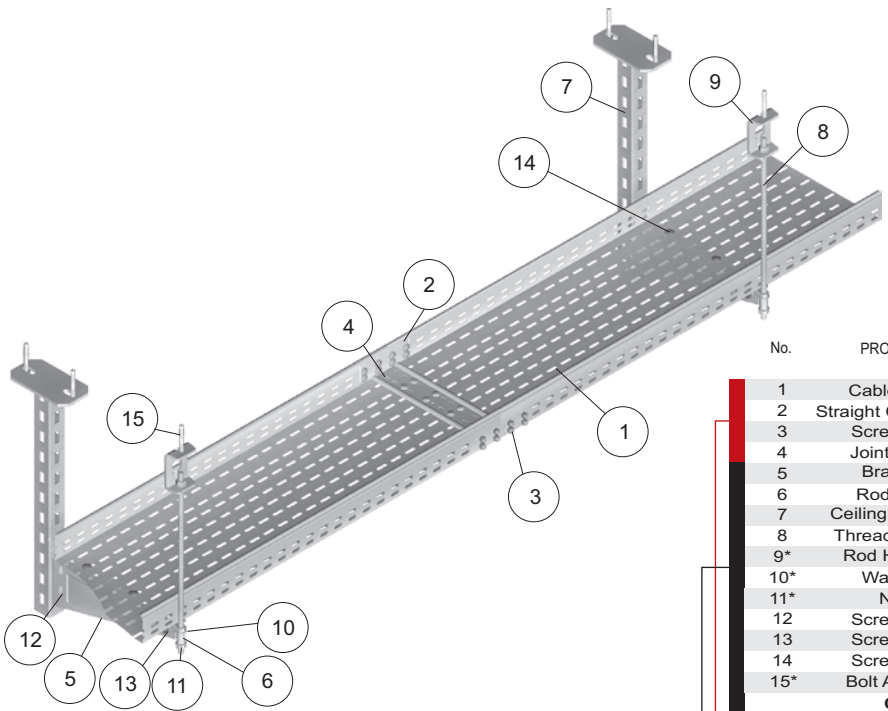
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

Example of Assembly for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	2
2	Straight Connector	LPP/LPOPH60	163111	2
3	Screw Set	SGKM6x12	651141	16
4	Joint Plate	BL/BLO300	100130	1
5	Bracket	WWS/WWSO300	710530	1
6	Rod Grip	UPW/UPWO	750100	1
7	Ceiling Bracket	WPCW/WPCO400	750640	1
8	Threaded Rod	PGM10/1	651001	1
9*	Rod Hanger	US12/USO12	750508	1
10*	Washer	PP10	650544	4
11*	Nut	NSM10	650244	4
12	Screw Set	SMM10x30	650843	2
13	Screw Set	SGKM8x14	651241	2
14	Screw Set	SGKM6x12	651141	2
15*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	PP10	650544	2
11*	Nut	NSM10	650244	2
16	Drop-In Anchor	TRSOM10	804800	1

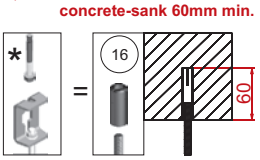
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

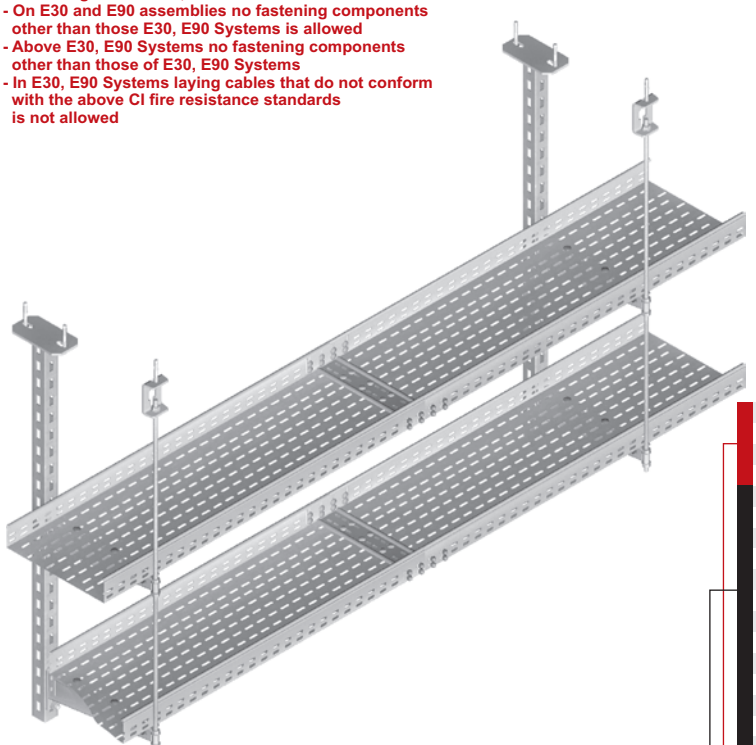
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m for 1 level

Example of Assembly for Cables Distribution - Cable Tray to the Ceiling on Two Levels.

- Max. Spacing of Supports 1,2 m.
- Max. Safe Load cable tray load 10 kg/m.
- Max. number of cable run levels per single rod - 3
- Fastening to concrete, B20 min.
- On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed
- Above E30, E90 Systems no fastening components other than those of E30, E90 Systems
- In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	4
2	Straight Connector	LPP/LPOPH60	163111	4
3	Screw Set	SGKM6x12	651141	32
4	Joint Plate	BL/BLO300	100130	2
5	Bracket	WWS/WWSO300	710530	2
6	Rod Grip	UPW/UPWO	750100	2
7	Ceiling Bracket	WPCW/WPCO400	750640	1
8	Threaded Rod	PGM10/1	651001	1
9*	Rod Hanger	US12/USO12	750508	1
10*	Washer	PP10	650544	6
11*	Nut	NSM10	650244	6
12	Screw Set	SMM10x30	650843	4
13	Screw Set	SGKM8x14	651241	4
14	Screw Set	SGKM6x12	651141	4
15*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	PP10	650544	4
11*	Nut	NSM10	650244	4
16	Drop-In Anchor	TRSOM10	804800	1

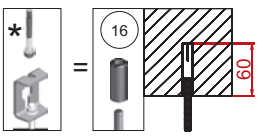
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

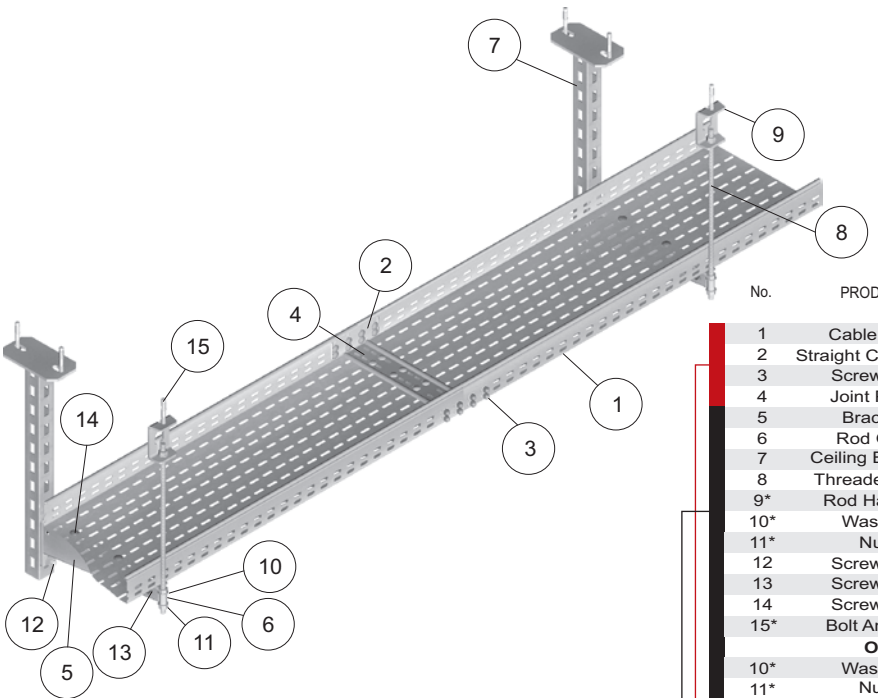
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m for 1 level

Optional transition from cable run of trays in the horizontal plane to the vertical plane only through the use of cable ladders.

Example of Assembly for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





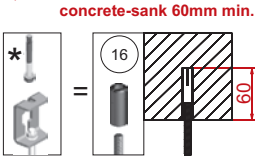
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	2
2	Straight Connector	LPP/LPOPH60	163111	2
3	Screw Set	SGKM6x12	651141	16
4	Joint Plate	BL/BLO300	100130	1
5	Bracket	WMC/WMCO300	711130	1
6	Rod Grip	UPW/UPWO	750100	1
7	Ceiling Bracket	WPCW/WPCO400	750640	1
8	Threaded Rod	PGM10/1	651001	1
9*	Rod Hanger	USV/USOV	750709	1
10*	Washer	PP10	650544	4
11*	Nut	NSM10	650244	4
12	Screw Set	SMM10x30	650843	2
13	Screw Set	SGKM8x14	651241	2
14	Screw Set	SGKM6x12	651141	2
15*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	PP10	650544	2
11*	Nut	NSM10	650244	2
16	Drop-In Anchor	TRSOM10	804800	1

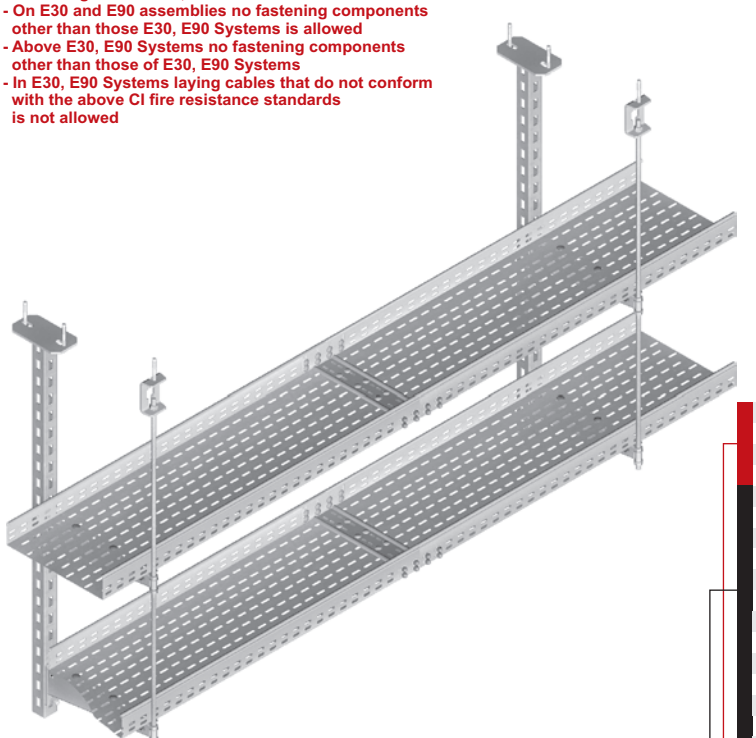
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Cable Tray to the Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.



- **Max. Spacing of Supports 1,2 m.**
- **Max. Safe Load cable tray load 10 kg/m.**
- **Max. number of cable run levels per single rod - 3**
- **Fastening to concrete, B20 min.**
- **On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed**
- **Above E30, E90 Systems no fastening components other than those of E30, E90 Systems**
- **In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed**



Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m for 1 level

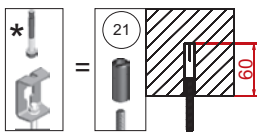
Optional transition from cable run of trays in the horizontal plane to the vertical plane only through the use of cable ladders.

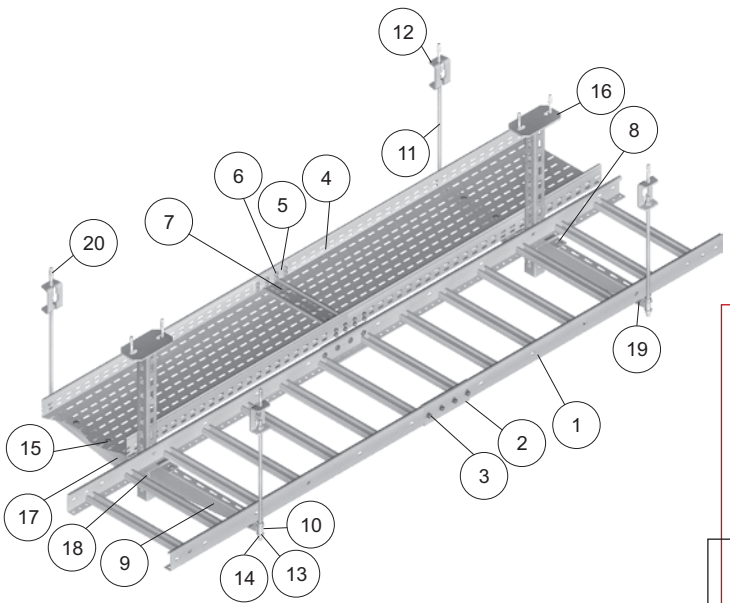
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP300H60/3	161430	4
2	Straight Connector	LPP/LPOPH60	163111	4
3	Screw Set	SGKM6x12	651141	32
4	Joint Plate	BL/BLO300	100130	2
5	Bracket	WMC/WMCO300	711130	2
6	Rod Grip	UPW/UPWO	750100	2
7	Ceiling Bracket	WPCW/WPCO400	750640	1
8	Threaded Rod	PGM10/1	651001	1
9*	Rod Hanger	USV/USOV	750709	1
10*	Washer	PP10	650544	6
11*	Nut	NSM10	650244	6
12	Screw Set	SMM10x30	650843	4
13	Screw Set	SGKM8x14	651241	4
14	Screw Set	SGKM6x12	651141	4
15*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	PP10	650544	4
11*	Nut	NSM10	650244	4
16	Drop-In Anchor	TRSOM10	804800	1

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Cable Ladder - or korytku to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





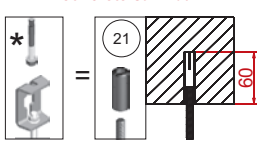
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Cable Tray	KCP/KCOP300H60/3	161430	2
5	Straight Connector	LPP/LPOPH60	163111	2
6	Screw Set	SGKM6x12	651141	16
7	Joint Plate	BL/BLO300	100130	1
8	Hold Down Clamp	ZM/ZMO	400700	2
9	Bracket	WMC/WMCO400	711140	1
10	Rod Grip	UPW/UPWO	750100	2
11	Threaded Rod	PGM10/1	651001	2
12*	Rod Hanger	USV/USOV	750709	2
13*	Washer	PP10	650544	8
14*	Nut	NSM10	650244	8
15	Screw Set	SGKM6x12	651141	2
16	Ceiling Bracket	WPCW/WPCO400	750640	1
17	Bracket	WMC/WMCO300	711130	1
18	Screw Set	SMM10x30	650843	4
19	Screw Set	SGKM8x14	651241	6
20*	Bolt Anchor	PSROM10x80	804100	2+2
	OPTIONALLY TO COMPLETE THE SET *			
13	Washer	PP10	650544	4
14	Nut	NSM10	650244	4
21	Drop-In Anchor	TRSOM10	804800	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS I 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Thickness and Cable Ladder 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load for the ladder 20 kg/m
Max. Safe Load Cable Tray 10 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - and Cable Tray to the Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.



- **Max. Spacing of Supports 1,2 m.**
- **Max. Safe Load cable tray load 10 kg/m.**
- **Max. number of cable run levels per single rod - 3**
- **Fastening to concrete, B20 min.**
- **On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed**
- **Above E30, E90 Systems no fastening components other than those of E30, E90 Systems**
- **In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed**

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	4
2	Straight Connector	LDC/LDOCH60	461001	4
3	Screw Set	SGKM8x14	651241	16
4	Cable Tray	KCP/KCOP300H60/3	161430	4
5	Straight Connector	LPP/LPOPH60	163111	4
6	Screw Set	SGKM6x12	651141	32
7	Joint Plate	BL/BLO300	100130	2
8	Hold Down Clamp	ZM/ZMO	400700	4
9	Bracket	WMC/WMCO400	711140	2
10	Rod Grip	UPW/UPWO	750100	4
11	Threaded Rod	PGM10/1	651001	2
12*	Rod Hanger	USV/USOV	750709	2
13*	Washer	PP10	650544	12
14*	Nut	NSM10	650244	12
15	Screw Set	SGKM6x12	651141	4
16	Ceiling Bracket	WPCW/WPCO400	750640	1
17	Bracket	WMC/WMCO300	711130	2
18	Screw Set	SMM10x30	650843	8
19	Screw Set	SGKM8x14	651241	12
20*	Bolt Anchor	PSROM10x80	804100	2+2
	OPTIONALLY TO COMPLETE THE SET *			
13	Washer	PP10	650544	8
14	Nut	NSM10	650244	8
21	Drop-In Anchor	TRSOM10	804800	2

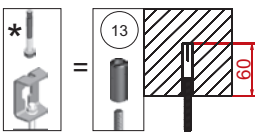
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS and 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

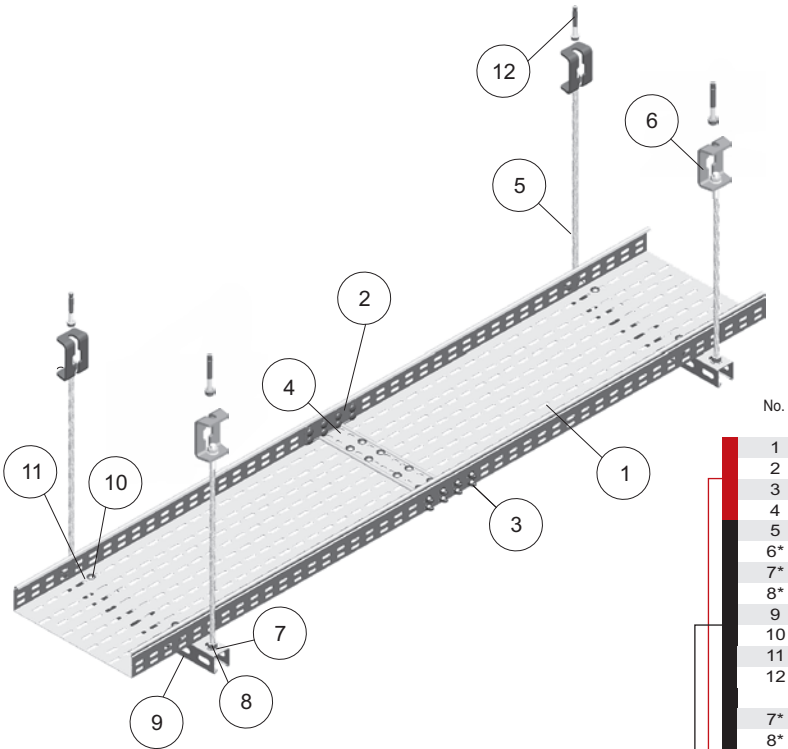
Cable Tray Thickness and drabinki 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load for the ladder 20 kg/m
Max. Safe Load Cable Tray 10 kg/m

Optional transition from cable run of trays in the horizontal plane to the vertical plane only through the use of cable ladders.

Example of Assembly for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.



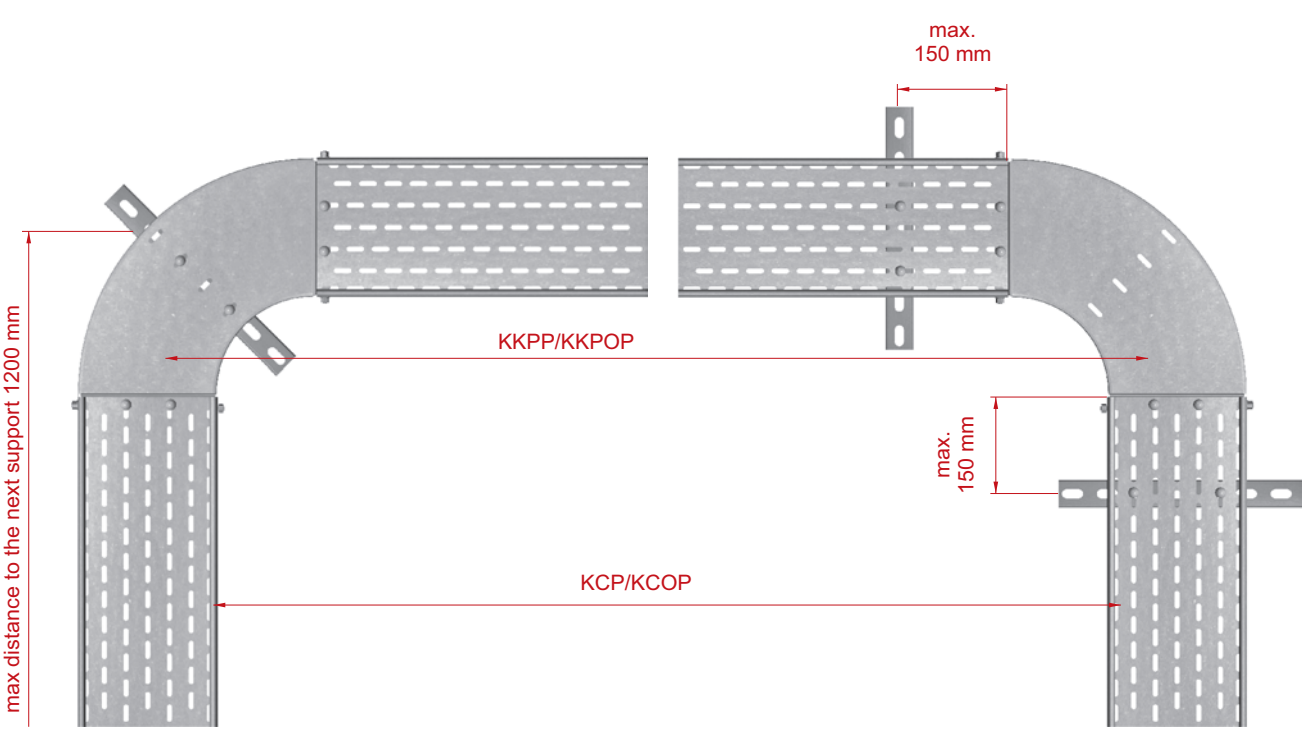


Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP300H60/3**	**161430**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Screw Set	**SGKM6x12**	**651141**	16
4	Joint Plate	**BL/BLO300**	**100130**	1
5	Threaded Rod	**PGM10/1**	**651001**	2
6*	Rod Hanger	**USV/USOV**	**750709**	2
7*	Washer	**PP10**	**650544**	8
8*	Nut	**NSM10**	**650244**	8
9	Support Channel	**CWP/CWOP40H40/04**	**611104**	1
10	Screw Set	**SGKM6x12**	**651141**	2
11	Washer	**PW6**	**650844**	2
12	Bolt Anchor	**PSROM10x80**	**804100**	2
	OPTIONALLY TO COMPLETE THE SET *			
7*	Washer	**PP10**	**650544**	4
8*	Nut	**NSM10**	**650244**	4
13	Drop-In Anchor	**TRSOM10**	**804800**	2

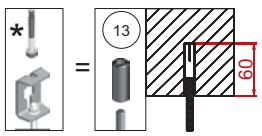
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

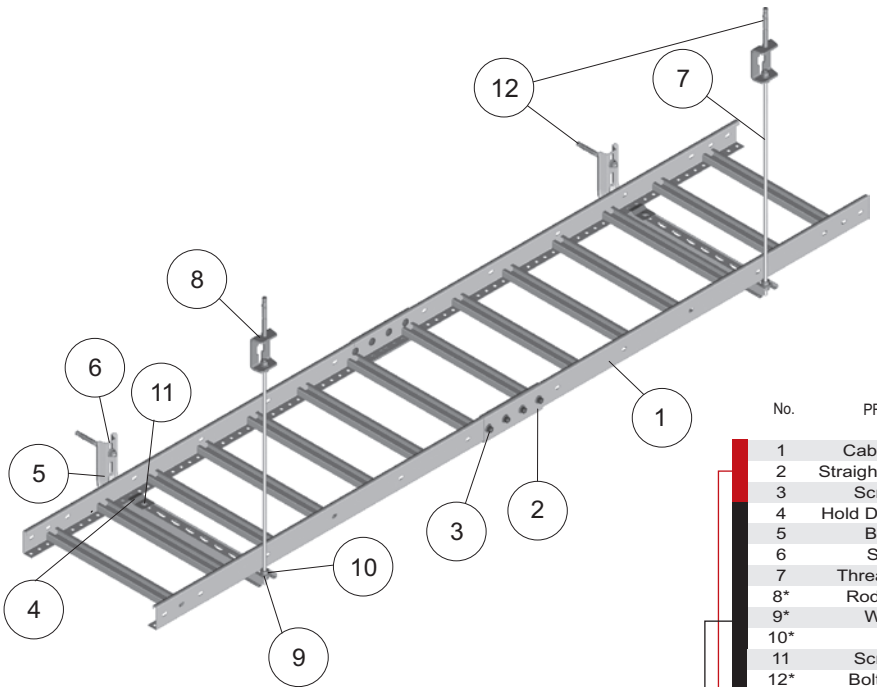
Recommended way to support the 90° Horizontal Bend close to the Connection with Cable Tray



Example of Assembly for Cables Distribution - Cable Ladder - to the Wall and Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





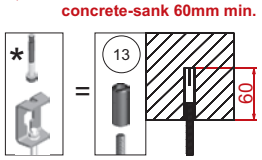
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WFL/WFLO400	720140	1
6	Spacer	PD11	803100	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	USV/USOV	750709	1
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
11	Screw Set	SGKM8x14	651241	2
12*	Bolt Anchor	PSROM10x80	804100	1+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	2
10*	Nut	NSM10	650244	2
13	Drop-In Anchor	TRSOM10	804800	1

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

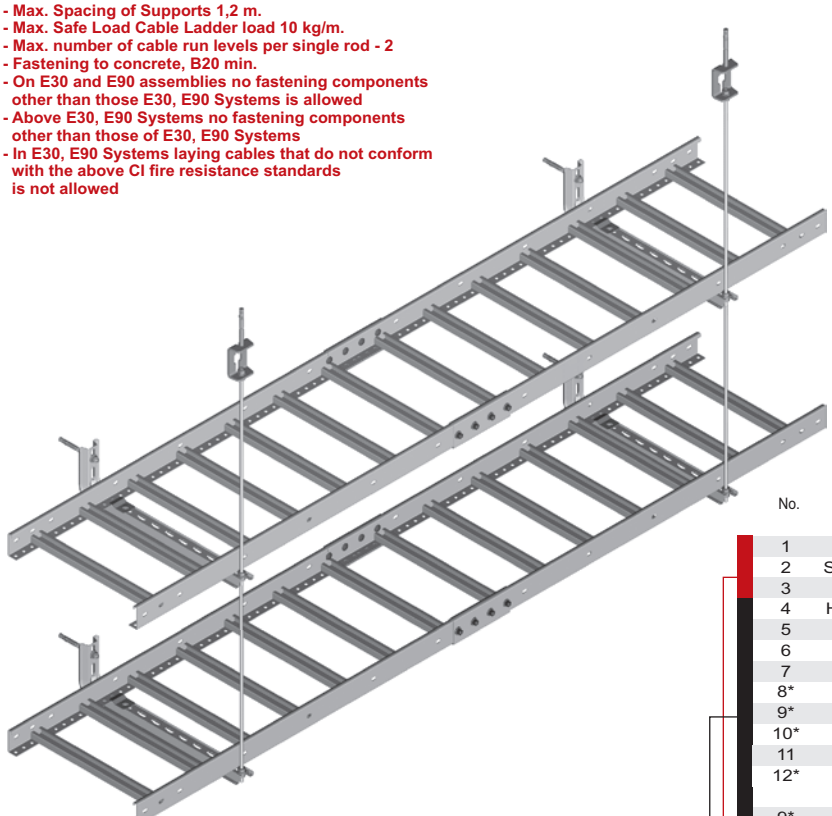
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - to the Wall and Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.



- Max. Spacing of Supports 1,2 m.
- Max. Safe Load Cable Ladder load 10 kg/m.
- Max. number of cable run levels per single rod - 2
- Fastening to concrete, B20 min.
- On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed
- Above E30, E90 Systems no fastening components other than those of E30, E90 Systems
- In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed



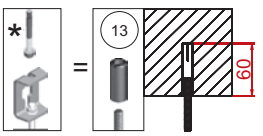
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	4
2	Straight Connector	LDC/LDOCH60	461001	4
3	Screw Set	SGKM8x14	651241	16
4	Hold Down Clamp	ZM/ZMO	400700	4
5	Bracket	WFL/WFLO400	720140	2
6	Spacer	PD11	803100	2
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	USV/USOV	750709	1
9*	Washer	PP10	650544	6
10*	Nut	NSM10	650244	6
11	Screw Set	SGKM8x14	651241	4
12*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
13	Drop-In Anchor	TRSOM10	804800	1

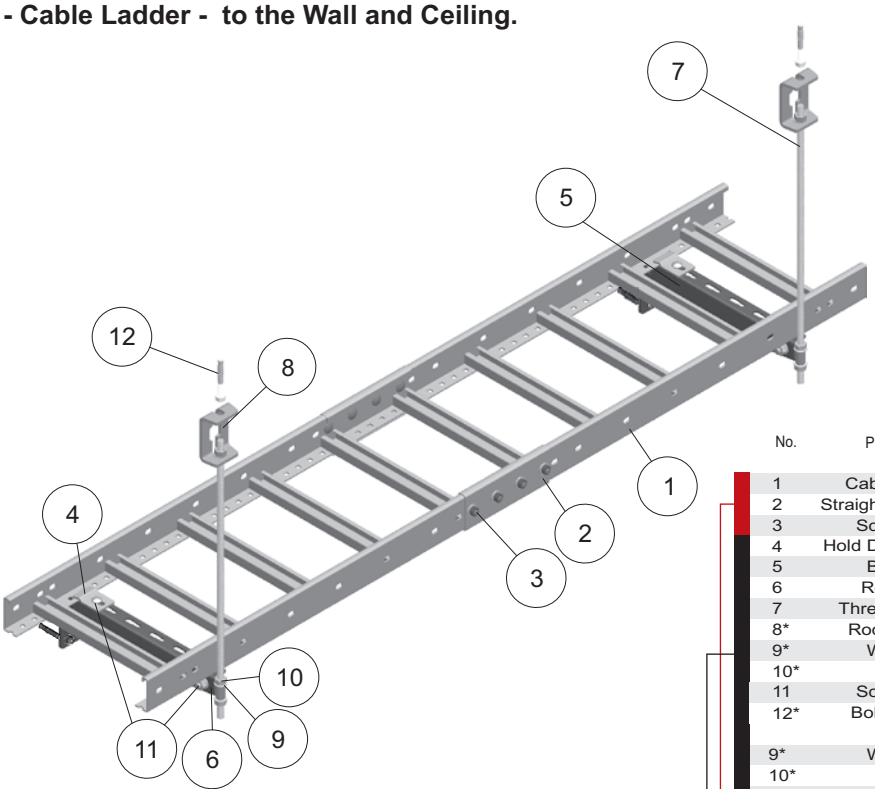
LIST OF ELEMENTS TO CONNECT 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20kg/m for 1 level

Example of Assembly for Cables Distribution - Cable Ladder - to the Wall and Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

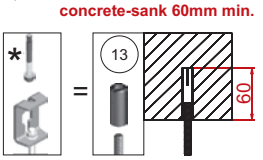
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Bracket	**WMC/WMCO400**	**711140**	1
6	Rod Grip	**UPW/UPWO**	**750100**	1
7	Threaded Rod	**PGM10/1**	**651001**	1
8*	Rod Hanger	**USV/USOV**	**750709**	1
9*	Washer	**PP10**	**650544**	4
10*	Nut	**NSM10**	**650244**	4
11	Screw Set	**SGKM8x14**	**651241**	4
12*	Bolt Anchor	**PSROM10x80**	**804100**	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	**PP10**	**650544**	2
10*	Nut	**NSM10**	**650244**	2
13	Drop-In Anchor	**TRSOM10**	**804800**	1

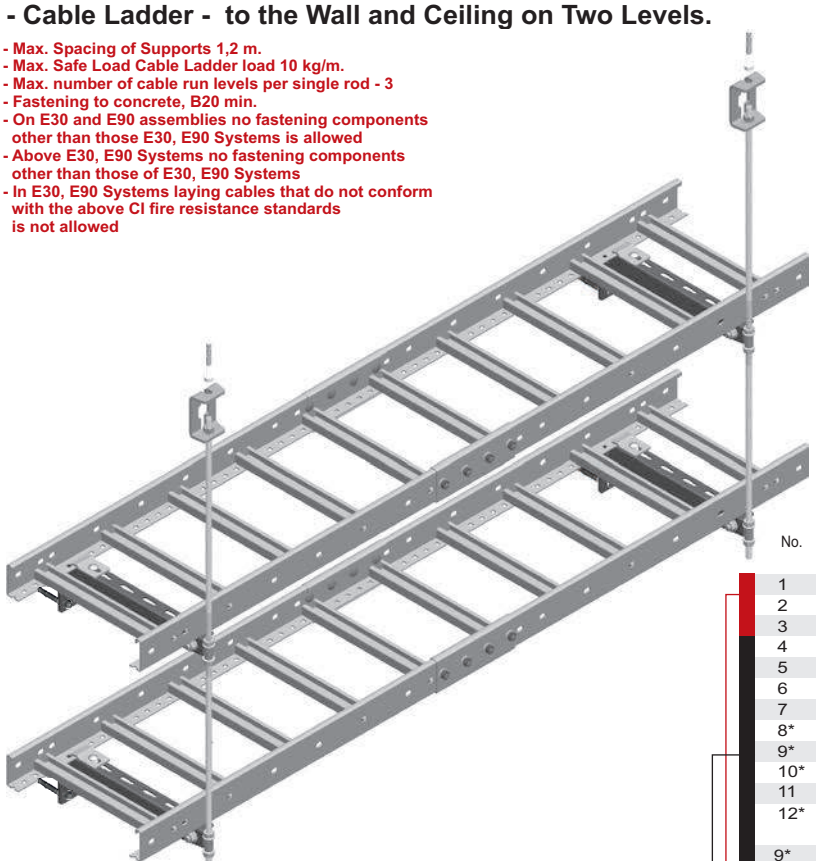
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Cable Ladder - to the Wall and Ceiling on Two Levels.

- Max. Spacing of Supports 1,2 m.
- Max. Safe Load Cable Ladder load 10 kg/m.
- Max. number of cable run levels per single rod - 3
- Fastening to concrete, B20 min.
- On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed
- Above E30, E90 Systems no fastening components other than those of E30, E90 Systems
- In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.



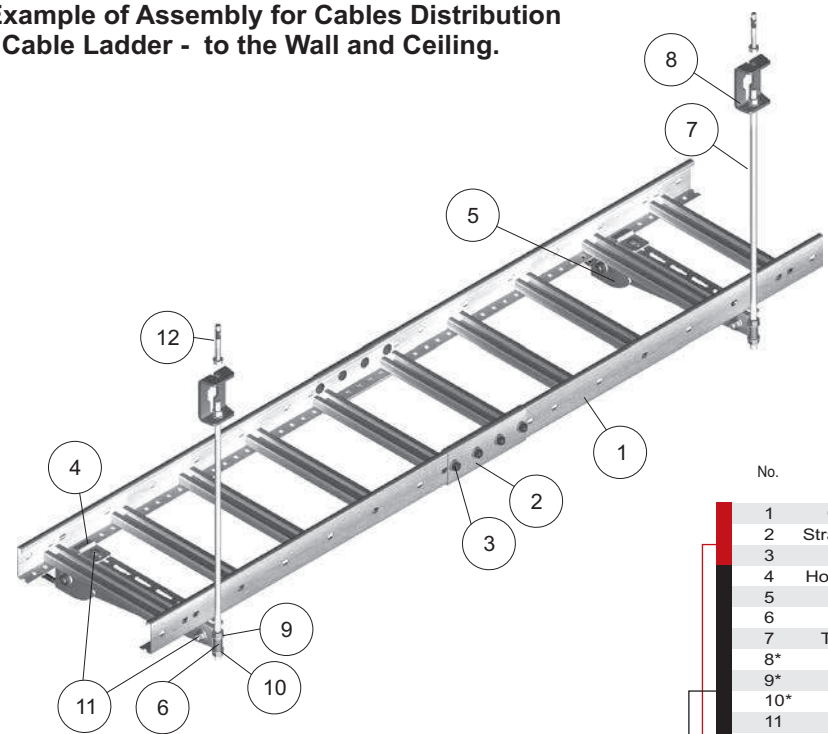


Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20kg/m for 1 level

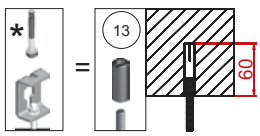
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	4
2	Straight Connector	**LDC/LDOCH60**	**461001**	4
3	Screw Set	**SGKM8x14**	**651241**	16
4	Hold Down Clamp	**ZM/ZMO**	**400700**	4
5	Bracket	**WMC/WMCO400**	**711140**	2
6	Rod Grip	**UPW/UPWO**	**750100**	2
7	Threaded Rod	**PGM10/1**	**651001**	1
8*	Rod Hanger	**USV/USOV**	**750709**	1
9*	Washer	**PP10**	**650544**	6
10*	Nut	**NSM10**	**650244**	6
11	Screw Set	**SGKM8x14**	**651241**	8
12*	Bolt Anchor	**PSROM10x80**	**804100**	4+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	**PP10**	**650544**	4
10*	Nut	**NSM10**	**650244**	4
13	Drop-In Anchor	**TRSOM10**	**804800**	1

LIST OF ELEMENTS TO CONNECT 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Cable Ladder - to the Wall and Ceiling.



Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.



No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WU/WUO400	805240	1
6	Rod Grip	UPW/UPWO	750100	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	USV/USOV	750709	1
9*	Washer	PP10	650544	4
10*	Nut	NS M10	650244	4
11	Screw Set	SGKM8x14	651241	4
12*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	2
10*	Nut	NSM10	650244	2
13	Drop-In Anchor	TRSOM10	804800	1

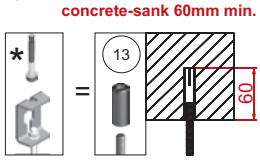
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

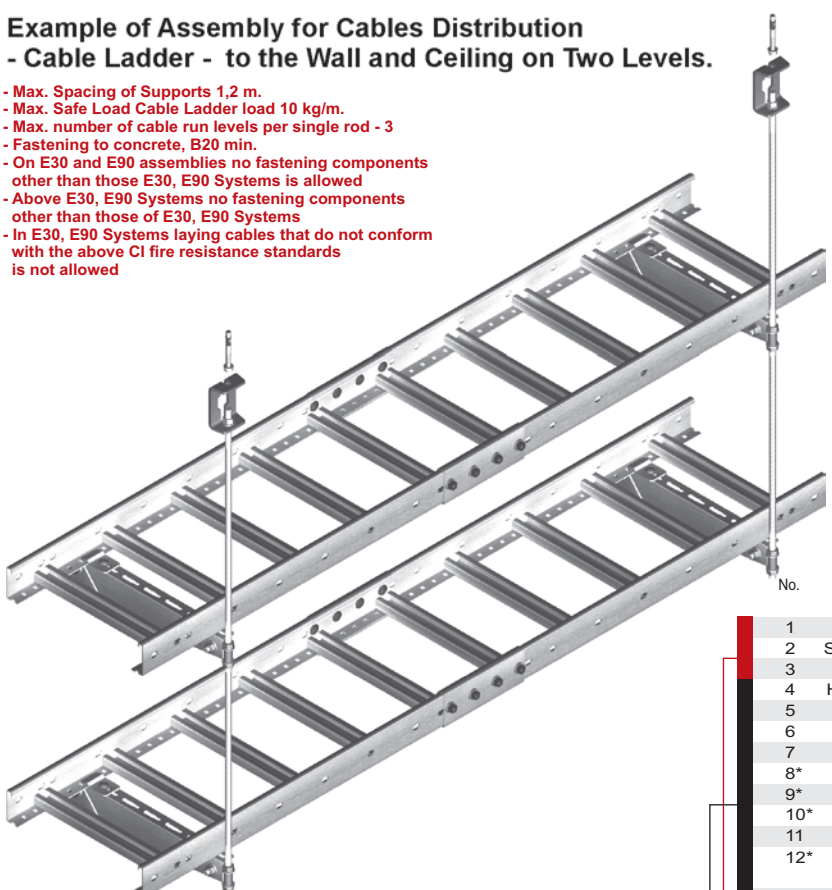
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - to the Wall and Ceiling on Two Levels.

- Max. Spacing of Supports 1,2 m.
- Max. Safe Load Cable Ladder load 10 kg/m.
- Max. number of cable run levels per single rod - 3
- Fastening to concrete, B20 min.
- On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed
- Above E30, E90 Systems no fastening components other than those of E30, E90 Systems
- In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





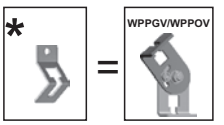
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	4
2	Straight Connector	LDC/LDOCH60	461001	4
3	Screw Set	SGKM8x14	651241	16
4	Hold Down Clamp	ZM/ZMO	400700	4
5	Bracket	WU/WUO400	805240	2
6	Rod Grip	UPW/UPWO	750100	2
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	USV/USOV	750709	1
9*	Washer	PP10	650544	6
10*	Nut	NS M10	650244	6
11	Screw Set	SGKM8x14	651241	8
12*	Bolt Anchor	PSROM10x80	804100	4+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
13	Drop-In Anchor	TRSOM10	804800	1

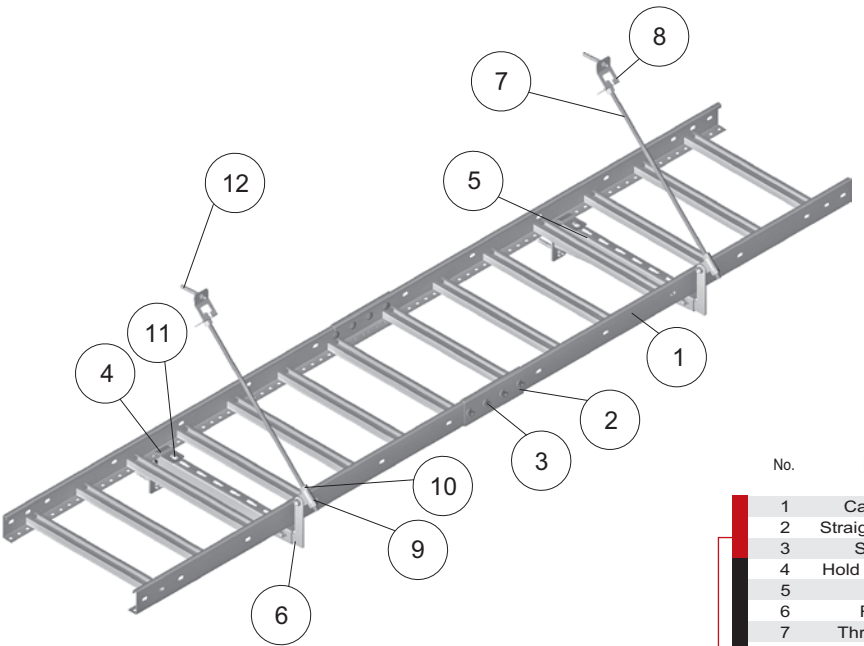
LIST OF ELEMENTS TO CONNECT 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20kg/m for 1 level.

Example of Assembly for Cables Distribution - Cable Ladder - to the Wall.

Possibility to mount the threaded rod to the wall use Articulated Rod Hanger WPPGV/WPPOV and Anchor Bolt PSROM10



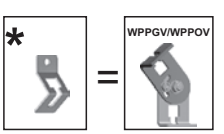


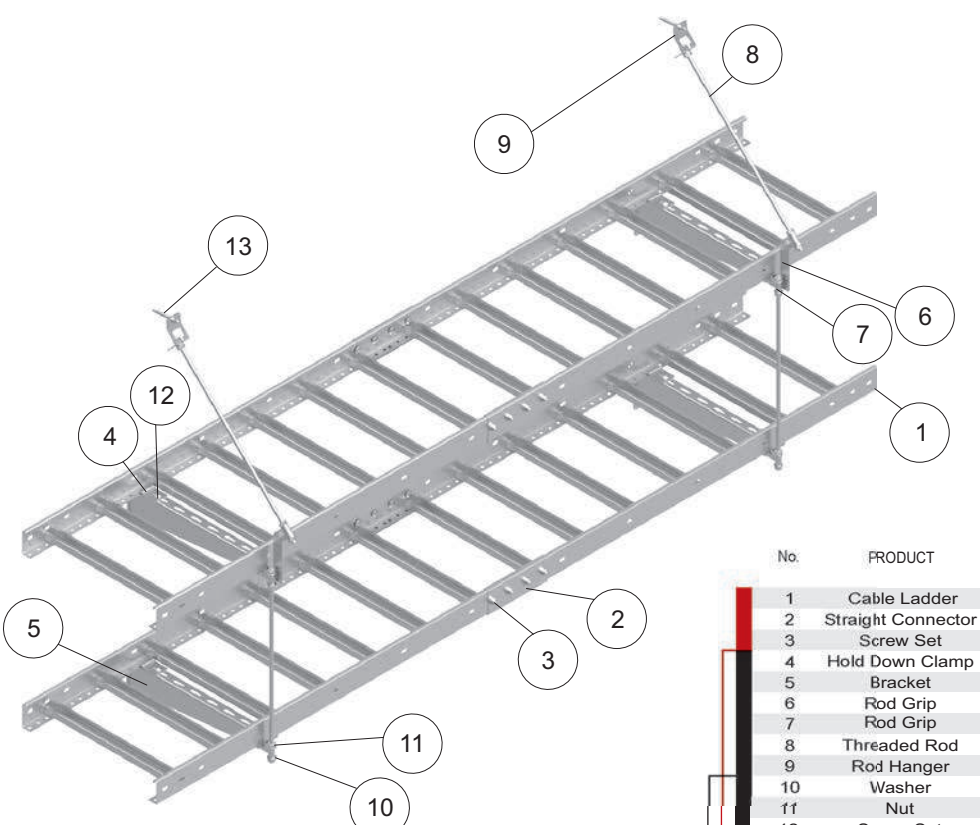
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Bracket	**WMC/WMCO400**	**711140**	1
6	Rod Grip	**UPWK/UPWKO**	**752900**	1
7	Threaded Rod	**PGM10/1**	**651001**	1
8	Rod Hanger	**WKPO**	**750809**	1
9	Washer	**PP10**	**650544**	4
10	Nut	**NSM10**	**650244**	4
11	Screw Set	**SGKM8x14**	**651241**	4
12	Bolt Anchor	**PSROM10x80**	**804100**	3

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - to the Wall on Two Levels.





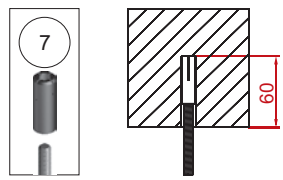
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	4
2	Straight Connector	**LDC/LDOCH60**	**461001**	4
3	Screw Set	**SGKM8x14**	**651241**	16
4	Hold Down Clamp	**ZM/ZMO**	**400700**	4
5	Bracket	**WMC/WMCO400**	**711140**	2
6	Rod Grip	**UPWK/UPWKO**	**752900**	1
7	Rod Grip	**UPW/UPWO**	**750100**	2
8	Threaded Rod	**PGM10/1**	**651001**	2
9	Rod Hanger	**WKPO**	**750809**	1
10	Washer	**PP10**	**650544**	8
11	Nut	**NSM10**	**650244**	8
12	Screw Set	**SGKM8x14**	**651241**	4
13	Bolt Anchor	**PSROM10x80**	**804100**	5

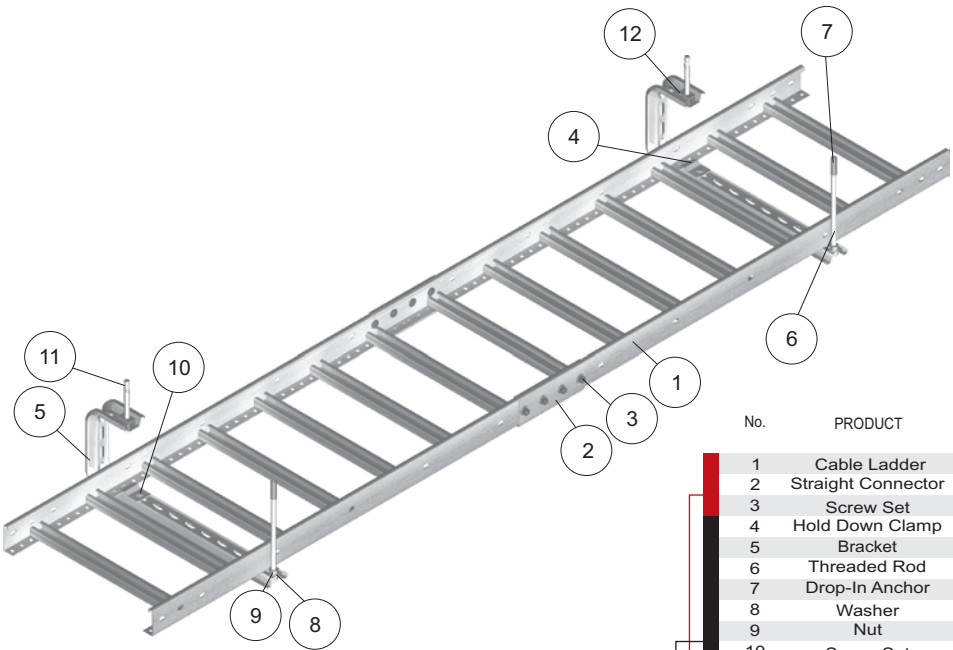
LIST OF ELEMENTS TO CONNECT 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
TRSOM... concrete-sank 60mm min.





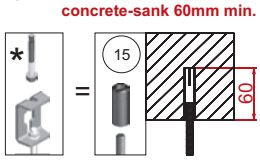
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WFC/WFCO400	720340	1
6	Threaded Rod	PGM10/1	651001	1
7	Drop-In Anchor	TRSOM10	804800	1
8	Washer	PP10	650544	2
9	Nut	NSM10	650244	2
10	Screw Set	SGKM8x14	651241	2
11	Bolt Anchor	PSROM10x80	804100	1
12	Spacer	PD11	803100	1

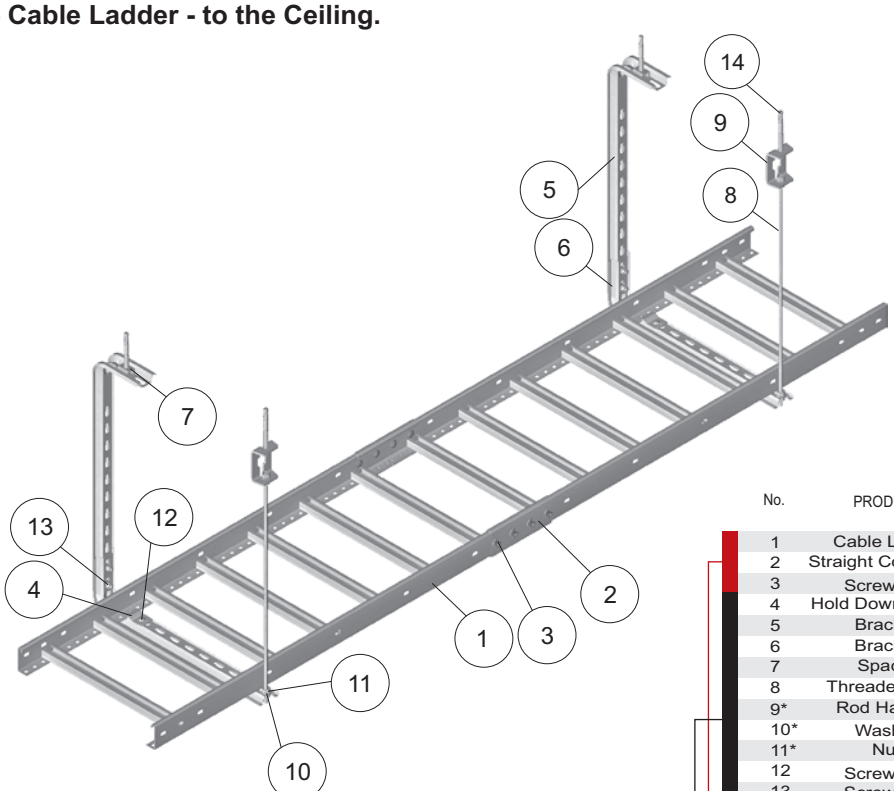
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





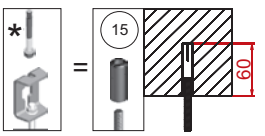
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WFL/WFLO500	720150	1
6	Bracket	WFL/WFLO400	720140	1
7	Spacer	PD11	803100	1
8	Threaded Rod	PGM10/1	651001	1
9*	Rod Hanger	USV/USOV	750709	1
10*	Washer	PP10	650544	4
11*	Nut	NSM10	650244	4
12	Screw Set	SGKM8x14	651241	2
13	Screw Set	SMM10x20	650743	2
14*	Bolt Anchor	PSROM10x80	804100	1+1
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	PP10	650544	2
9*	Nut	NSM10	650244	2
15	Drop-In Anchor	TRSOM10	804800	1

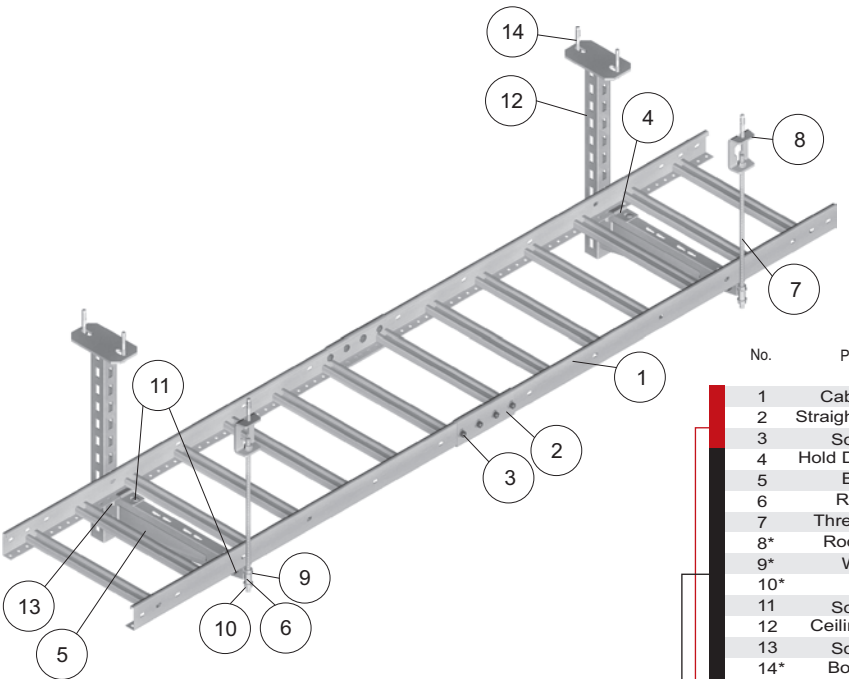
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WWS/WWSO400	710540	1
6	Rod Grip	UPW/UPWO	750100	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	US12/USO12	750508	1
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
11	Screw Set	SGKM8x14	651241	4
12	Ceiling Bracket	WPCW/WPCO400	750640	1
13	Screw Set	SMM10x30	650843	2
14*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	2
10*	Nut	NSM10	650244	2
15	Drop-In Anchor	TRSOM10	804800	1

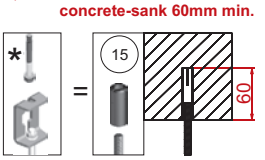
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

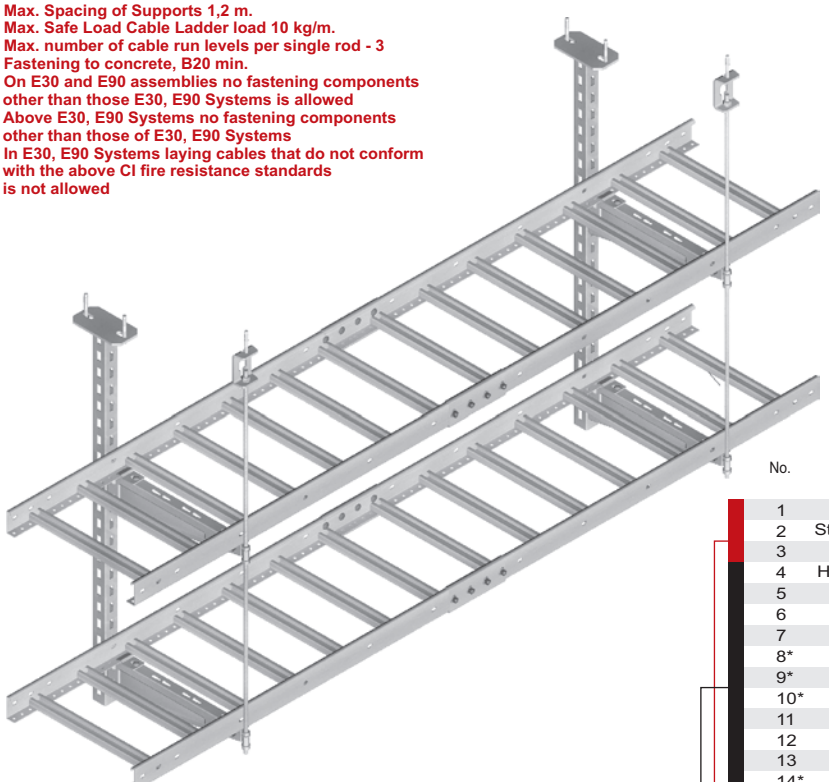
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - to the Ceiling on Two Levels.

- Max. Spacing of Supports 1,2 m.
- Max. Safe Load Cable Ladder load 10 kg/m.
- Max. number of cable run levels per single rod - 3
- Fastening to concrete, B20 min.
- On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed
- Above E30, E90 Systems no fastening components other than those of E30, E90 Systems
- In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





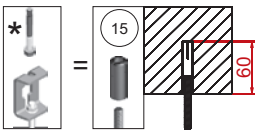
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	4
2	Straight Connector	LDC/LDOCH60	461001	4
3	Screw Set	SGKM8x14	651241	16
4	Hold Down Clamp	ZM/ZMO	400700	4
5	Bracket	WWS/WWSO400	710540	2
6	Rod Grip	UPW/UPWO	750100	2
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	US12/USO12	750508	1
9*	Washer	PP10	650544	6
10*	Nut	NSM10	650244	6
11	Screw Set	SGKM8x14	651241	8
12	Ceiling Bracket	WPCW/WPCO400	750640	1
13	Screw Set	SMM10x30	650843	4
14*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
15	Drop-In Anchor	TRSOM10	804800	1

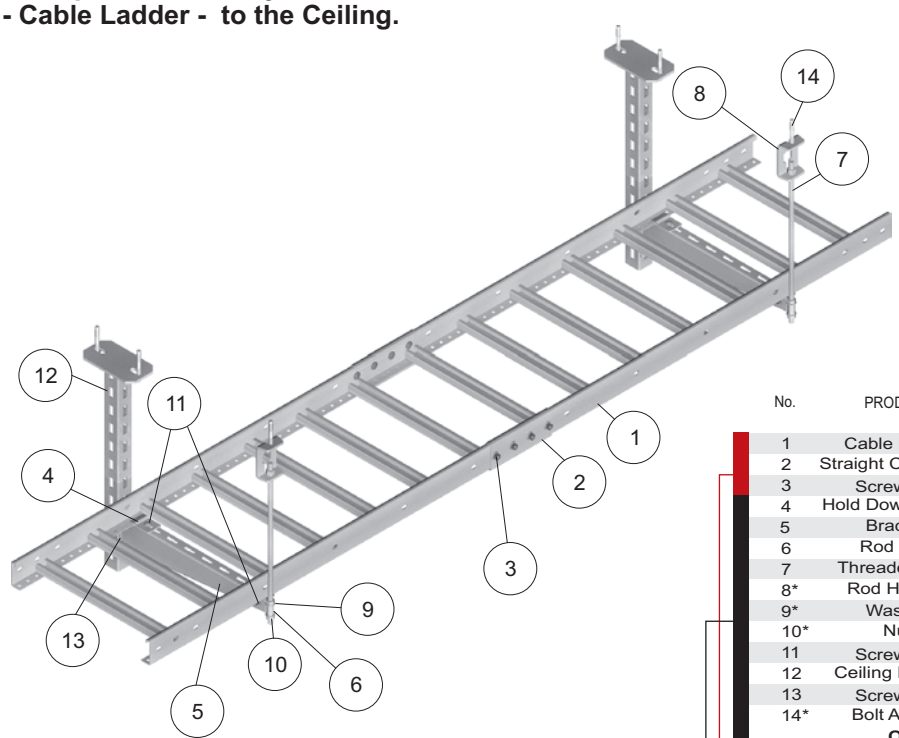
LIST OF ELEMENTS TO CONNECT 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20kg/m for 1 level

Example of Assembly for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.





No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WMC/WMCO400	711140	1
6	Rod Grip	UPW/UPWO	750100	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	US12/USO12	750508	1
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
11	Screw Set	SGKM8x14	651241	4
12	Ceiling Bracket	WPCW/WPCO400	750640	1
13	Screw Set	SMM10x30	650843	2
14*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	2
10*	Nut	NSM10	650244	2
15	Drop-In Anchor	TRSOM10	804800	1

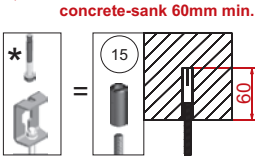
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

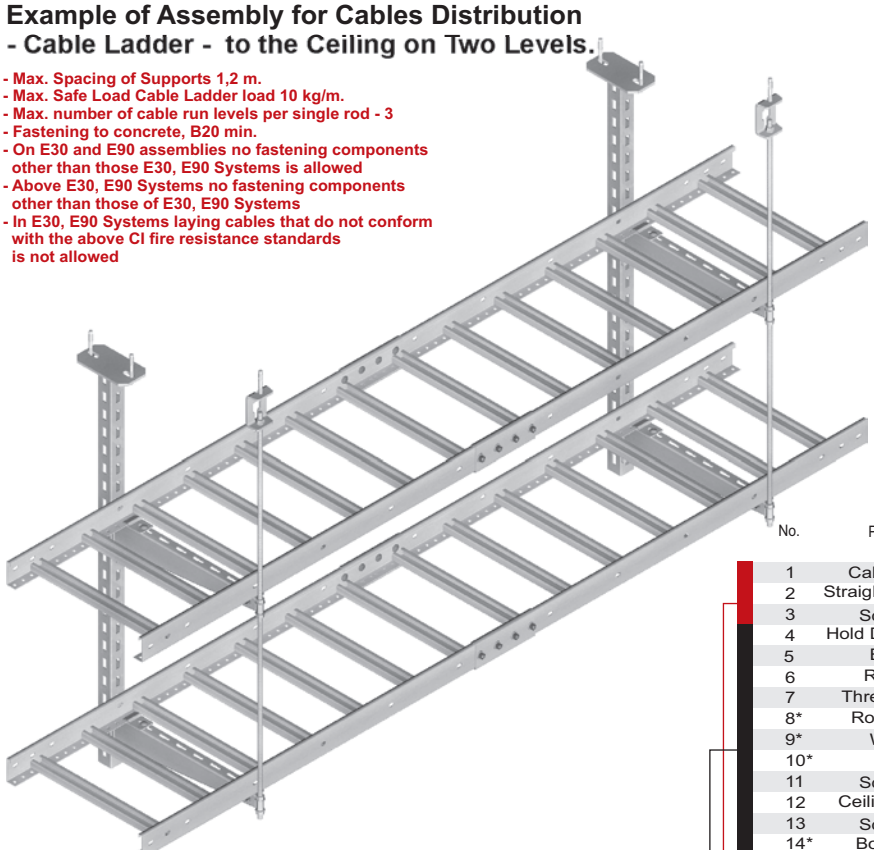
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Ladder - to the Ceiling on Two Levels.

- Max. Spacing of Supports 1,2 m.
- Max. Safe Load Cable Ladder load 10 kg/m.
- Max. number of cable run levels per single rod - 3
- Fastening to concrete, B20 min.
- On E30 and E90 assemblies no fastening components other than those E30, E90 Systems is allowed
- Above E30, E90 Systems no fastening components other than those of E30, E90 Systems
- In E30, E90 Systems laying cables that do not conform with the above CI fire resistance standards is not allowed

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.



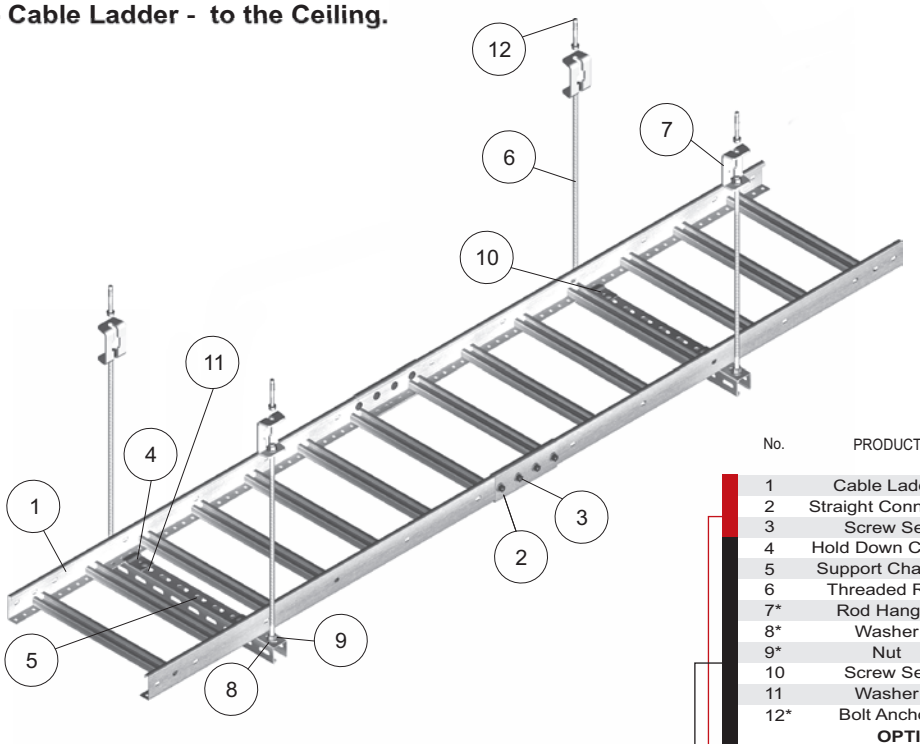


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	4
2	Straight Connector	LDC/LDOCH60	461001	4
3	Screw Set	SGKM8x14	651241	16
4	Hold Down Clamp	ZM/ZMO	400700	4
5	Bracket	WMC/WMCO400	711140	2
6	Rod Grip	UPW/UPWO	750100	2
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	US12/USO12	750508	1
9*	Washer	PP10	650544	6
10*	Nut	NSM10	650244	6
11	Screw Set	SGKM8x14	651241	8
12	Ceiling Bracket	WPCW/WPCO400	750640	1
13	Screw Set	SMM10x30	650843	4
14*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
15	Drop-In Anchor	TRSOM10	804800	1

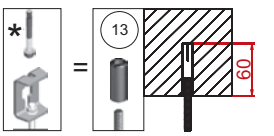
LIST OF ELEMENTS TO CONNECT 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20kg/m for 1 level.

Example of Assembly for Cables Distribution - Cable Ladder - to the Ceiling.



Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV, on condition that the anchor is concrete-sank 60mm min.

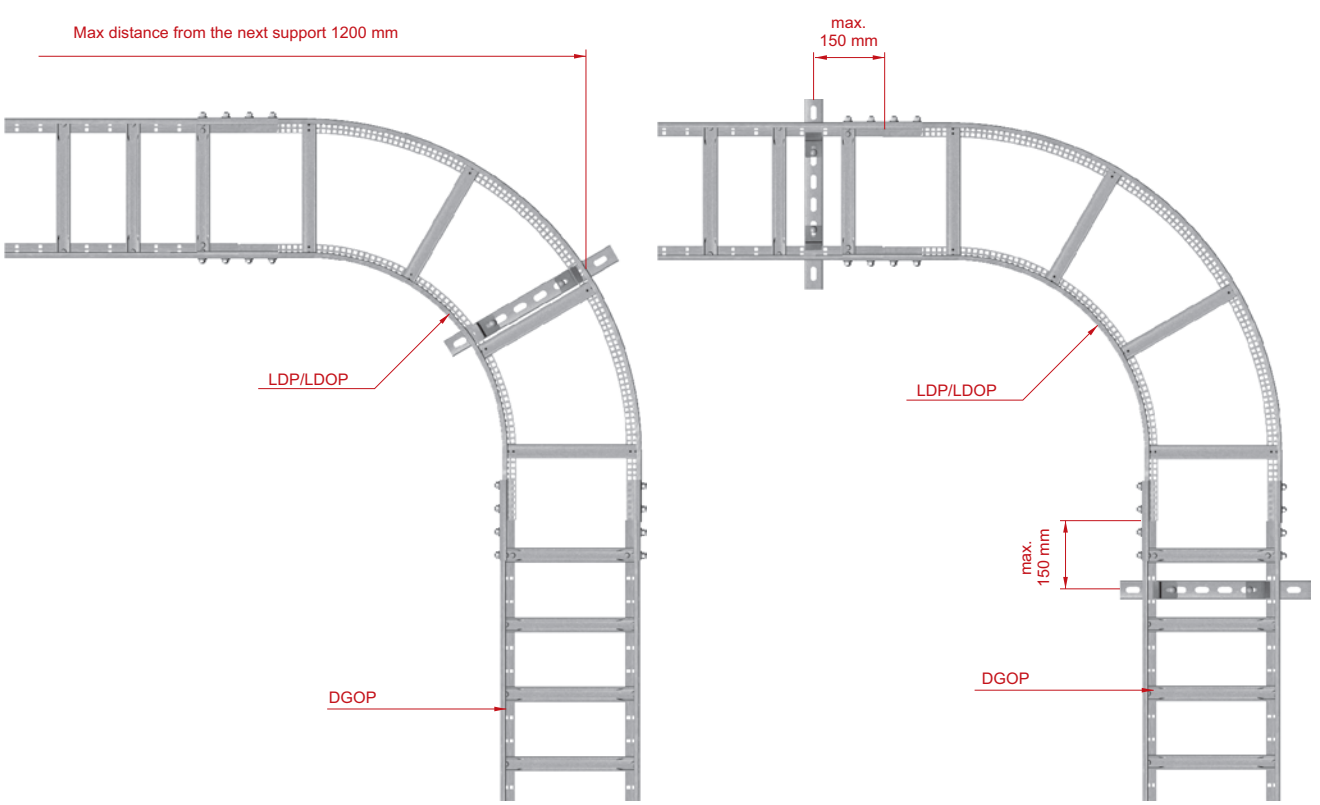


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
6	Threaded Rod	**PGM10/1**	**651001**	2
7*	Rod Hanger	**USV/USOV**	**750709**	2
8*	Washer	**PP10**	**650544**	8
9*	Nut	**NSM10**	**650244**	8
10	Screw Set	**SGKM8x14**	**651241**	2
11	Washer	**PW8**	**650944**	2
12*	Bolt Anchor	**PSROM10x80**	**804100**	2
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	**PP10**	**650544**	4
9*	Nut	**NSM10**	**650244**	4
13	Drop-In Anchor	**TRSOM10**	**804800**	2

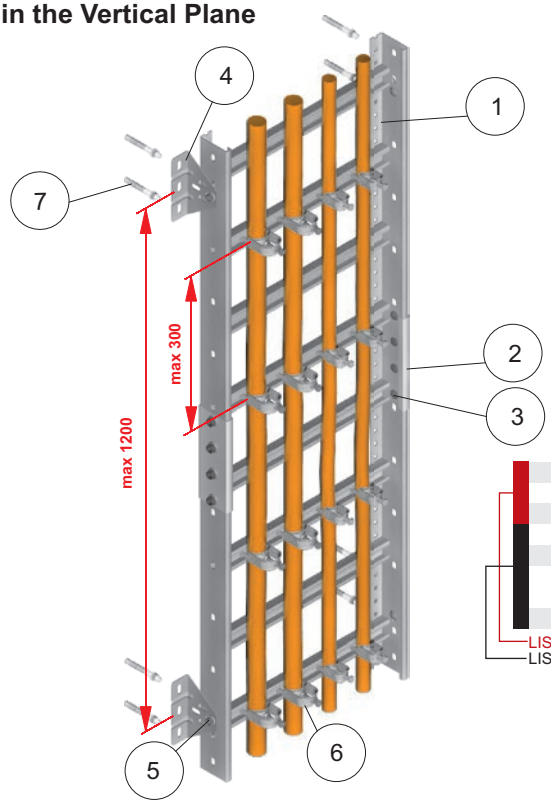
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Recommended way to support the 90° Horizontal Bend close to the connection with Cable Ladder



Example of Assembly for Cables Distribution - Cable Ladder - in the Vertical Plane to the Wall.



Mounting onto wall with the use of Bolt Anchor PSROM8x75. Fixing to concrete min. B20. Max. spacing of Cable Clamps UK1/UKO1 - 300 mm.

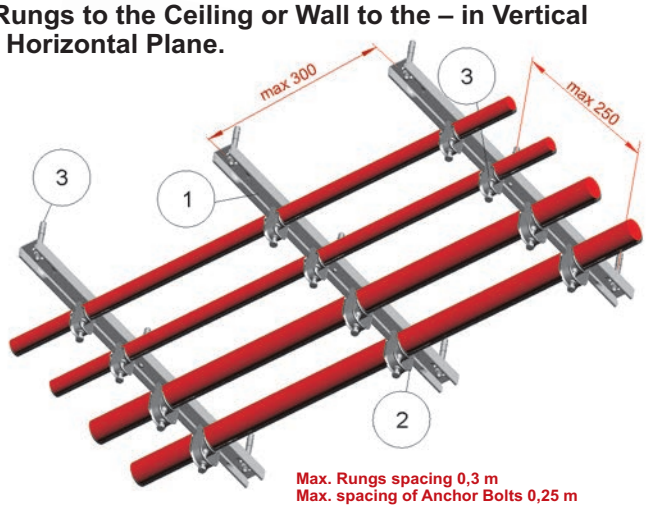
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Fastening Bracket	UTM/UTMO	751700	2
5	Screw Set	SGKM8x14	651241	2
6	Cable Clamp	UK1/UKO1/...	---	Depends on the number of cables
7	Bolt Anchor	PSROM8x75	804000	4

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness 1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Can be fixed in one UK/UKO1... or UK2/UKO2...
- 3 cables of an above 20mm diameter
- 5 cables of a below 20mm diameter

Example of Assembly for Cables Distribution on Rungs to the Ceiling or Wall to the – in Vertical and Horizontal Plane.

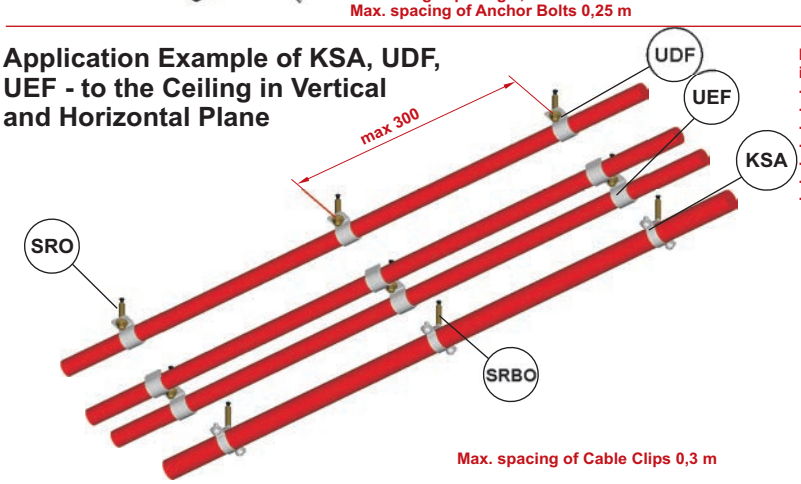


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Rung	SDOC500	800150	1
2	Cable Clamp	UK1/UKO1/...	---	Depends on the number of cables
3	Bolt Anchor	SROM6x30	803900	3

Max. Rungs spacing 0,3 m
Max. spacing of Anchor Bolts 0,25 m

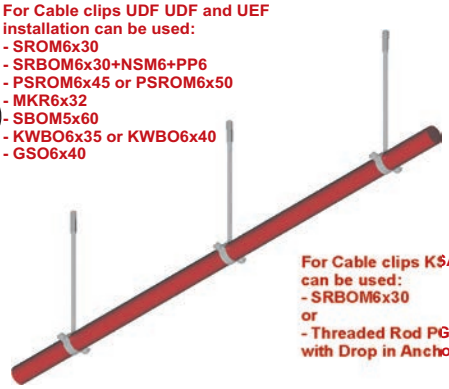
Can be fixed in one UK/UKO1... or UK2/UKO2...
- 3 cables of an above 20mm diameter
- 5 cables of a below 20mm diameter

Application Example of KSA, UDF, UEF - to the Ceiling in Vertical and Horizontal Plane



Max. spacing of Cable Clips 0,3 m

For Cable clips UDF UDF and UEF installation can be used:
- **SROM6x30**
- **SRBOM6x30+NSM6+PP6**
- **PSROM6x45 or PSROM6x50**
- **MKR6x32**
- **SBOM5x60**
- **KWBO6x35 or KWBO6x40**
- **GSO6x40**



For Cable clips KSA installation can be used:
- **SRBOM6x30**

or
- **Threaded Rod PGM6 with Drop in Anchor TRSOM6**

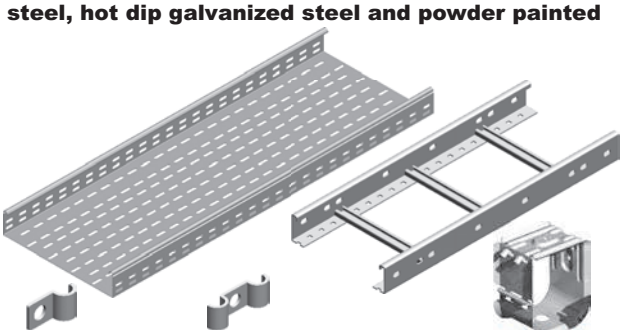
Upgraded Testing Standard

In order to meet and even exceed Customers expectations, BAKS has conducted tests that are beyond the standard with selected cable producers. These are tests that totally outclass the DIN 4102 part 12 standard criteria regarding the construction and loading figures of cable runs. Successful tests convinced us to offer our Customers new and improved solutions. Further in this catalogue you will find detailed information on cable producers, with whom we have conducted fire tests, however, for in-depth technical details please advise our technical support team or visit our website for additional technical documentation

Standard Criterion	Criterion Higher Than Standard Confirmed by Successful Testing
Maximum Spacing of Supports for Cable Trays, Ladders, and Wire Mesh Cable Trays – 1.2 m	Maximum Spacing of Supports for Cable Trays, Ladders, and Wire Mesh Cable Trays – 1.5 m
Maximum Total Cable Trays Width=300 mm under Maximum Load of 10 kg/m	Maximum Total Cable Trays Width=600 mm under Maximum Load of 20 kg/m
Maximum Total Ladder Width=400 mm under Maximum Load of 20 kg/m	Maximum Total Ladder Width=600 mm under Maximum Load of 20 kg/m Maximum Total Ladder Width=400 mm under Maximum Load of 25 kg/m (DUP/DUOP)
Maximum Spacing of Cable Ladder Rungs=150 mm under Maximum Load of 20 kg/m	Maximum Spacing of Cable Ladder Rungs=300 mm
Material Thickness of Cable Tray=1.5 mm under Maximum Load of 10 kg/m	Material Thickness of Cable Tray=0.7 mm, 1.0 mm, 1.2 mm, 1.5 mm under Maximum Load of 20 kg/m
Material Thickness of Cable Ladder=1.5 mm under Maximum Load of 10 kg/m	Material Thickness of Cable Ladder=1.2 mm under Maximum Load of 20 kg/m
Material That Cable Runs Are Manufactured from – Strip Galvanised Steel to the Sendzimir Method (SG)	Material That Cable Runs Are Manufactured from – Hot-dip galvanised Steel (HDG); Stainless Steel (SS)
Fixing a Cable Run to Concrete	Fixing Cable Run to Steel Structures and to Aerated Concrete
Cable Run Assembly Ceiling to the on Threaded Rod M10	Cable Run Assembly Ceiling to the without the Use of Threaded Rod
Maximum Spacing of Supports for Cable Clips - 0.3 m	Maximum Spacing of Supports for Cable Clips - 0.6 m

Upgraded testing standard E90

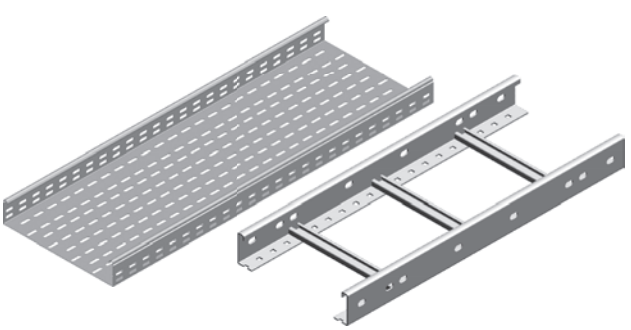
System E-90 with components made from stainless steel, hot dip galvanized steel and powder painted



We have carried out tests exceeding standard with cable trays and cable ladders made from stainless steel

Upgraded testing standard E90

Increased spacing between supports



We have carried out tests exceeding standard with cable trays and cable ladders with between supports 1.5 m and max. load of 20 kg/m

Upgraded testing standard E90

Cable Tray
KGL/KGOL...H60,
KCL/KCOL...H60,
KBL...H60
KFL...H60,

We have carried out tests exceeding standard with cable trays with 0,7mm thickness

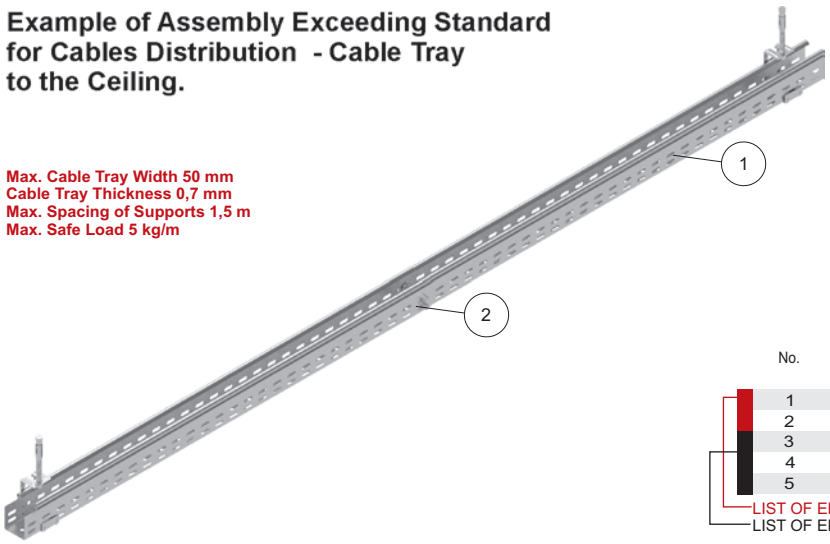
Upgraded testing standard E90

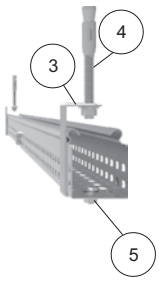
Cable Tray
KGJ/KGOJ...H60,
KCJ/KCOJ...H60,
KBJ...H60
KFJ...H60

We have carried out tests exceeding standard with cable trays with 1.0mm thickness

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Max. Cable Tray Width 50 mm
Cable Tray Thickness 0,7 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 5 kg/m



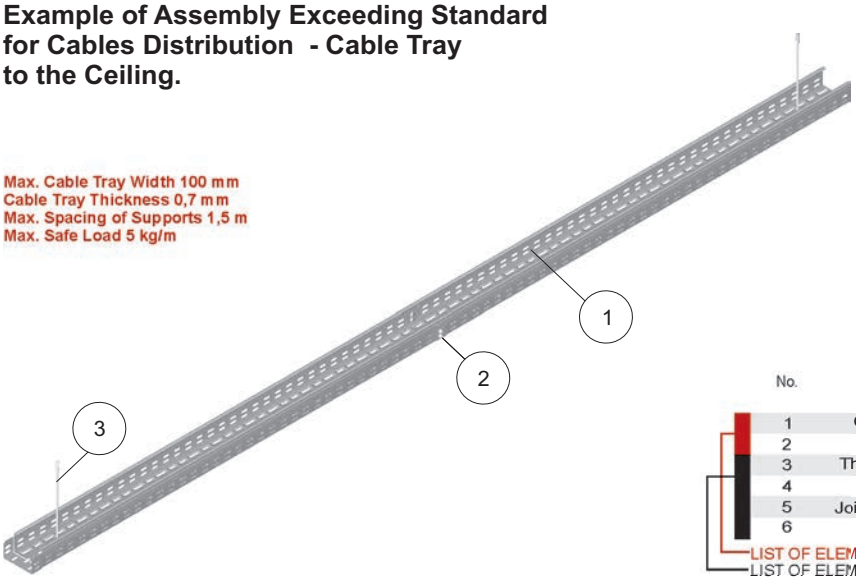


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KGL/KCL50H60/3**	**160424**	2
2	Screw Set	**SGKM6x12**	**651141**	4
3	Side Holder	**WC50**	**730304**	1
4	Bolt Anchor	**PSROM8x75**	**804000**	1
5	Screw Set	**SGKM6x12**	**651141**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Max. Cable Tray Width 100 mm
Cable Tray Thickness 0,7 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 5 kg/m

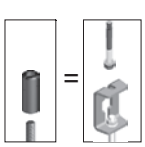


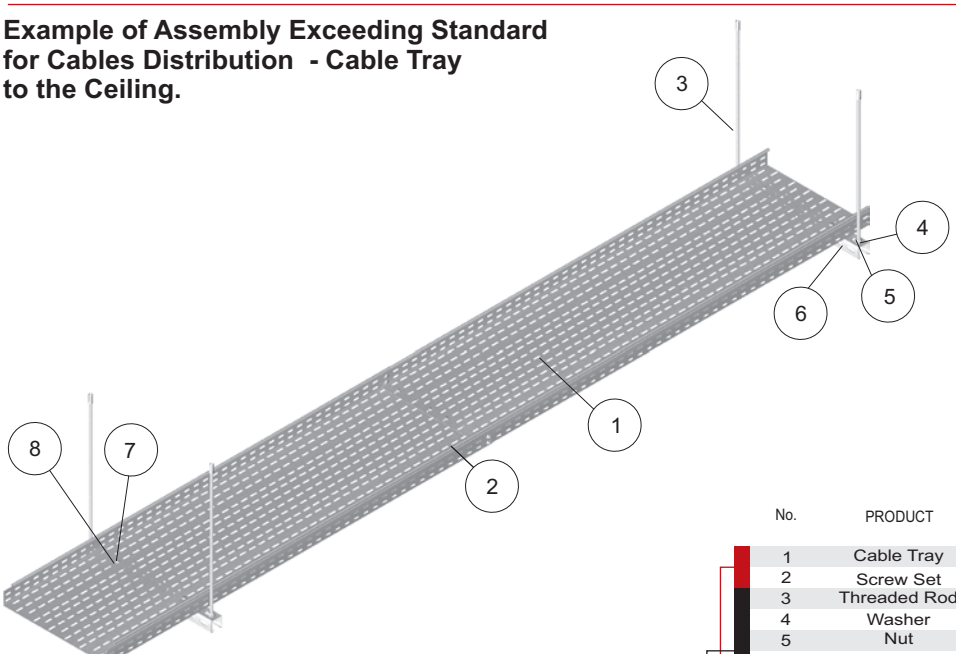
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KGL/KGOL100H60/3**	**160116**	2
2	Screw Set	**SGKM6x12**	**651141**	6
3	Threaded Rod	**PGM8/1**	**650801**	1
4	Nut	**NSM8**	**650144**	2
5	Joint Connector	**ZSW**	**902200**	1
6	Washer	**PW8**	**650944**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV



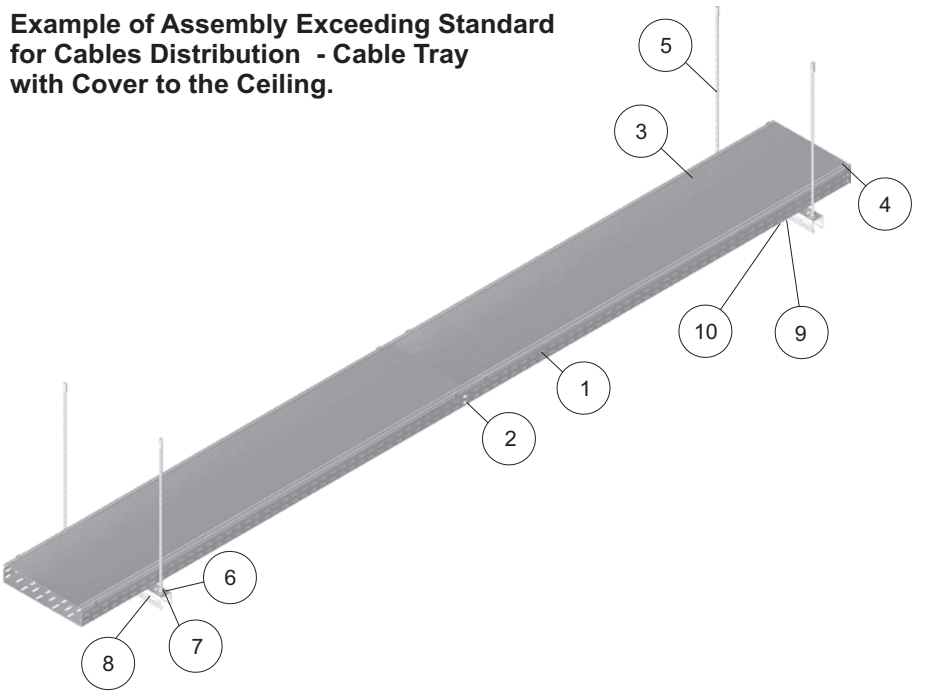


Cable Tray Width 400 mm
Cable Tray Thickness 1,0 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

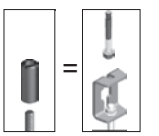
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCJ/KCOJ400H60/3**	**160440**	2
2	Screw Set	**SGKM6x12**	**651141**	8
3	Threaded Rod	**PGM8/1**	**650801**	2
4	Washer	**PW8**	**650944**	8
5	Nut	**NSM8**	**650144**	8
6	Support Channel	**CWP/CWOP40H40/05**	**805305**	1
7	Screw Set	**SGKM6x12**	**661020**	2
8	Washer	**PW6**	**660844**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray with Cover to the Ceiling.



Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV

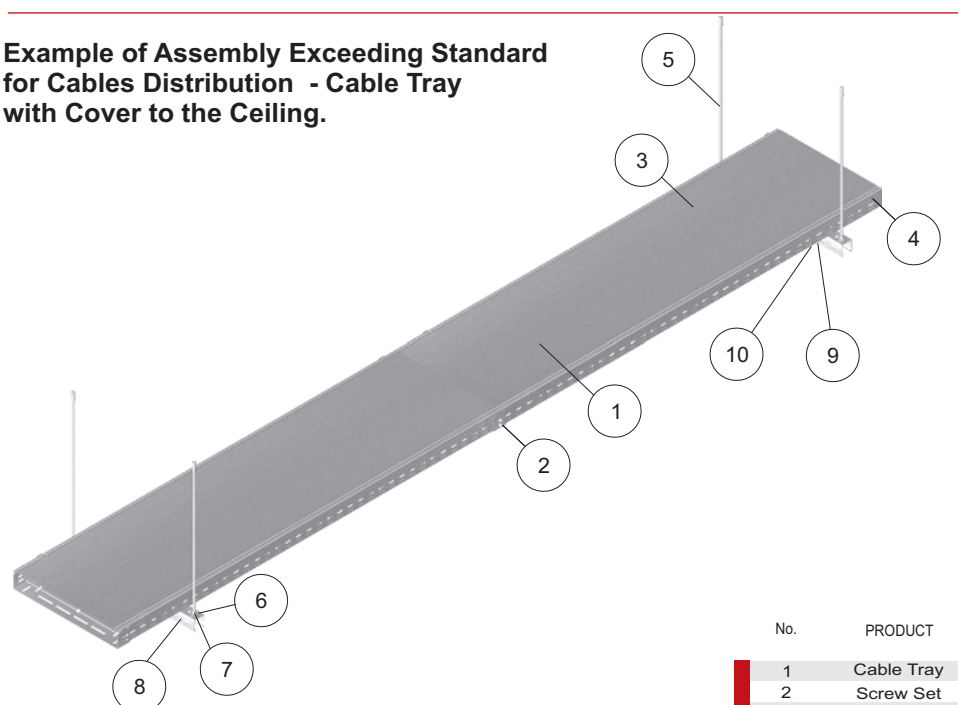


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCL/KCOL300H60/3**	**160830**	2
2	Screw Set	**SGKM6x12**	**651141**	7
3	Cover	**PKL300/3**	**100630**	2
4	Cover Clamp	**ZPNH60**	**165000**	8
5	Threaded Rod	**PGM8/1**	**650801**	2
6	Washer	**PW8**	**650944**	4
7	Nut	**NSM8**	**650144**	4
8	Support Channel	**CWP/CWOP40H40/04**	**805304**	1
9	Screw Set	**SGKM6x12**	**661020**	2
10	Washer	**PW6**	**660844**	2

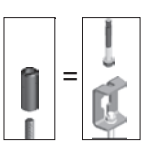
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 300 mm
Cable Tray Thickness 0,7 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray with Cover to the Ceiling.



Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV



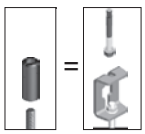
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KGJ/KGOJ400H60/3**	**161216**	2
2	Screw Set	**SGKM6x12**	**651141**	8
3	Cover	**PKJ400/3**	**100640**	2
4	Cover Clamp	**ZPNH60**	**165000**	8
5	Threaded Rod	**PGM8/1**	**650801**	2
6	Washer	**PW8**	**650944**	8
7	Nut	**NSM8**	**650144**	8
8	Support Channel	**CWP/CWOP40H40/05**	**805305**	1
9	Screw Set	**SGKM6x12**	**661020**	2
10	Washer	**PW6**	**660844**	2

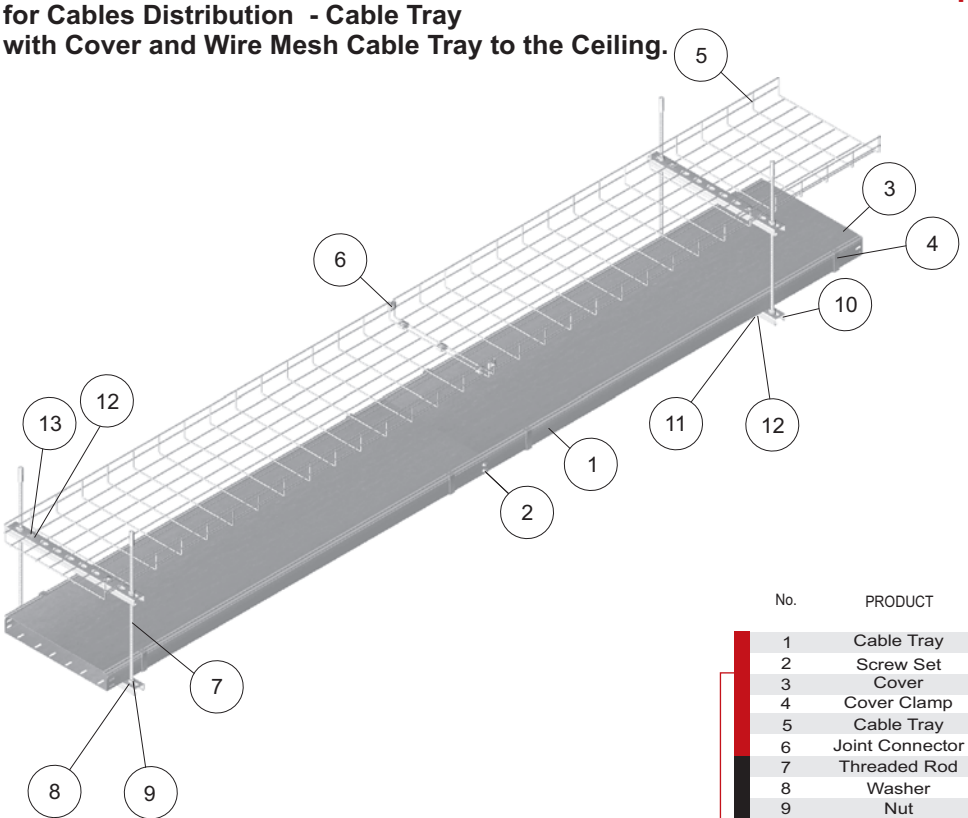
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,0 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray with Cover and Wire Mesh Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





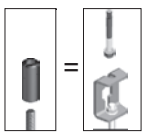
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KBJ400H60/3	161640	2
2	Screw Set	SGKM6x12	651141	8
3	Cover	PKJ400/3	100640	2
4	Cover Clamp	ZPDH60	160800	8
5	Cable Tray	KDS/KDSO400H60/3	970140	2
6	Joint Connector	USSN/USSO	900201	5
7	Threaded Rod	PGM10/1	651001	2
8	Washer	PP10	650544	8
9	Nut	NSM10	650244	8
10	Support Channel	CWP40H22/05	611205	2
11	Screw Set	SGKM6x12	661020	2
12	Washer	PW6	660844	4
13	Clamping Piece	ZS/ZSO	901600	2

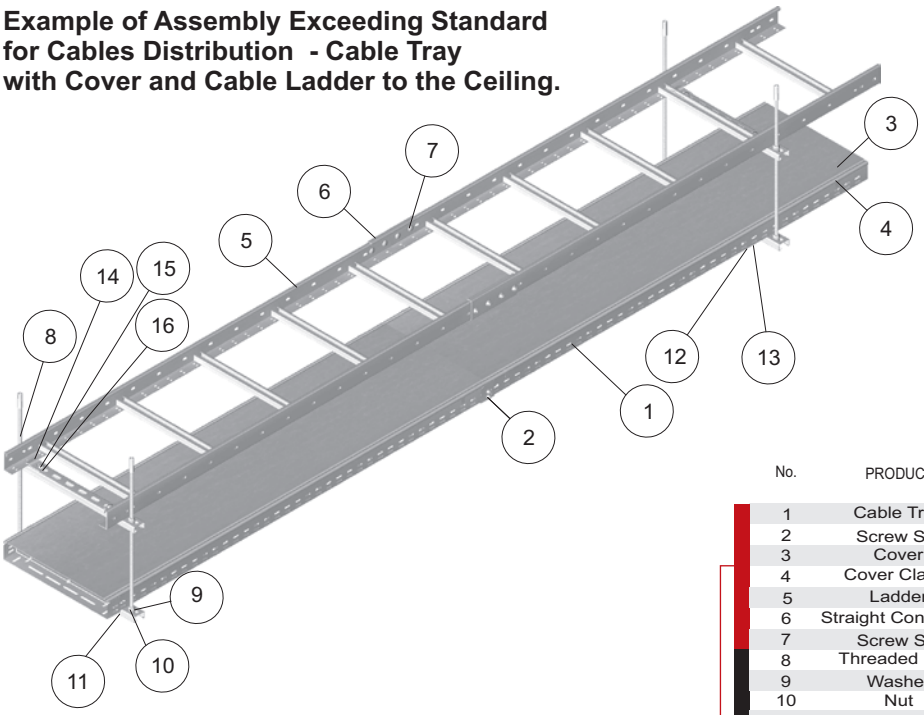
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,0 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray with Cover and Cable Ladder to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





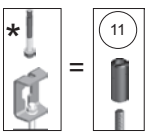
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCJ/KCOJ400H60/3	160440	2
2	Screw Set	SGKM6x12	651141	8
3	Cover	PKJ400/3	100640	2
4	Cover Clamp	ZPNH60	165000	8
5	Ladder	DUP/DUOP400H60/3	466340	2
6	Straight Connector	LDC/LDOCH60	461001	2
7	Screw Set	SGKM8x14	651241	8
8	Threaded Rod	PGM10/1	651001	2
9	Washer	PP10	650544	8
10	Nut	NSM10	650244	8
11	Support Channel	CWP40H22/05	611205	2
12	Screw Set	SGKM6x12	661020	2
13	Washer	PW6	660844	2
14	Hold Down Clamp	ZM/ZMO	400700	2
15	Screw Set	SGKM8x14	651241	2
16	Washer	PW8	650944	2

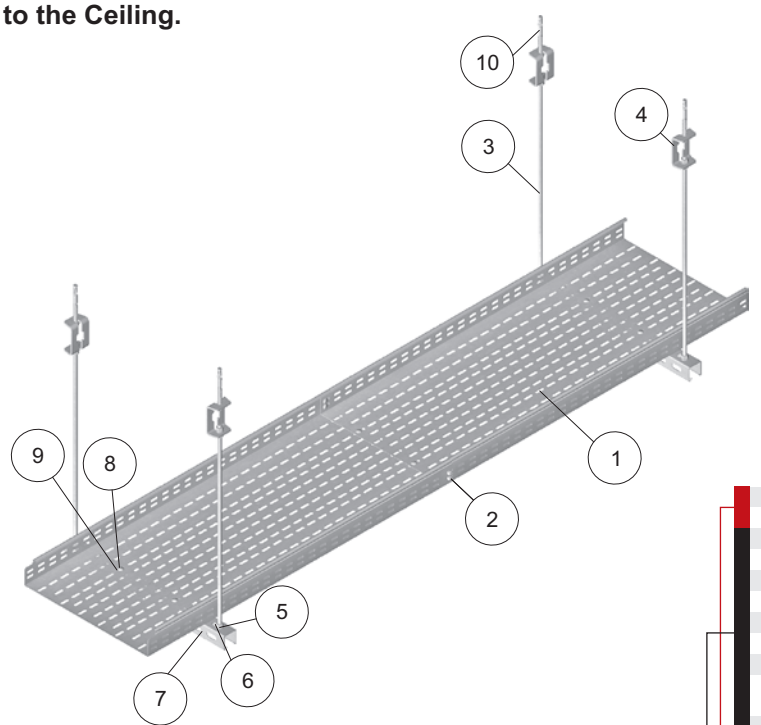
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,0 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





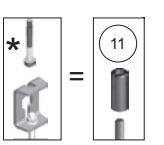
Cable Tray Width 400 mm
Cable Tray Thickness 1,0 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

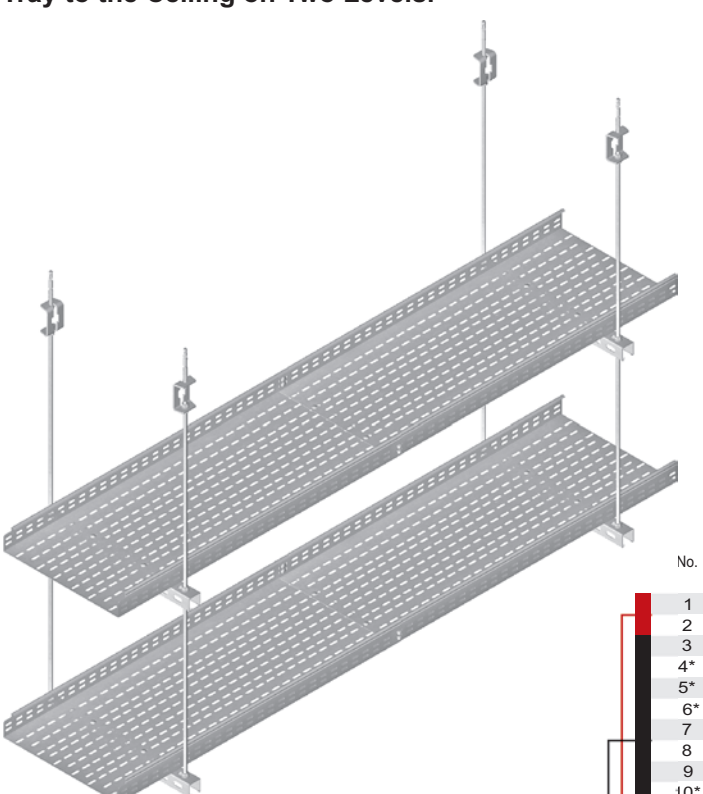
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCJ/KCOJ400H60/3E**	**861940**	2
2	Screw Set	**SGKM6x12E**	**661020**	8
3	Threaded Rod	**PGM10/1E**	**652101**	2
4*	Rod Hanger	**USV/USOVE**	**805400**	2
5*	Washer	**PP10E**	**652300**	8
6*	Nut	**NSM10E**	**652200**	8
7	Support Channel	**CWP/CWOP40H40/05E**	**805305**	1
8	Screw Set	**SGKM6x12E**	**661020**	2
9	Washer	**PW6E**	**660844**	2
10*	Bolt Anchor	**PSROM10x80E**	**804101**	2
	OPTIONALLY TO COMPLETE THE SET *			
5*	Washer	**PP10E**	**652300**	4
6*	Nut	**NSM10E**	**652200**	4
11	Drop-In Anchor	**TRSOM10E**	**804801**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





Cable Tray Width 400mm.
Cable Tray Thickness 1,0 mm
Material: Stainless Steel
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

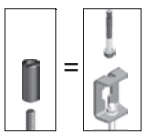
Optional transition from cable run of trays in the horizontal plane to the vertical plane only through the use of cable ladders.

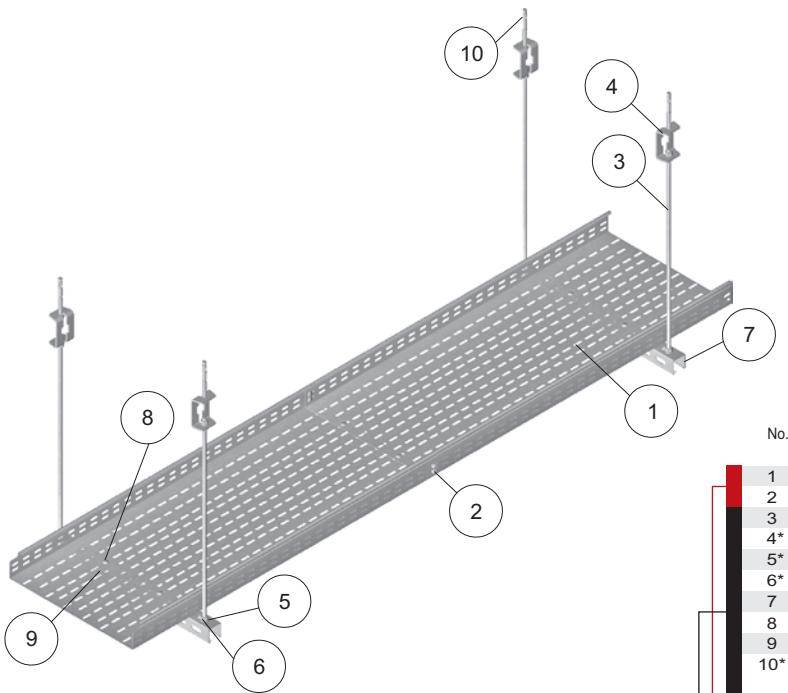
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCJ/KCOJ400H60/3E**	**861940**	4
2	Screw Set	**SGKM6x12E**	**661020**	16
3	Threaded Rod	**PGM10/1E**	**652101**	2
4*	Rod Hanger	**USV/USOVE**	**805400**	2
5*	Washer	**PP10E**	**652300**	12
6*	Nut	**NSM10E**	**652200**	12
7	Support Channel	**CWP/CWOP40H40/05E**	**805305**	2
8	Screw Set	**SGKM6x12E**	**661020**	4
9	Washer	**PW6E**	**660844**	4
10*	Bolt Anchor	**PSROM10x80E**	**804101**	2
	OPTIONALLY TO COMPLETE THE SET *			
5*	Washer	**PP10E**	**652300**	8
6*	Nut	**NSM10E**	**652200**	8
11	Drop-In Anchor	**TRSOM10E**	**804801**	2

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





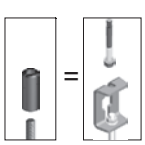
Cable Tray Width 400 mm
Cable Tray Thickness 1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

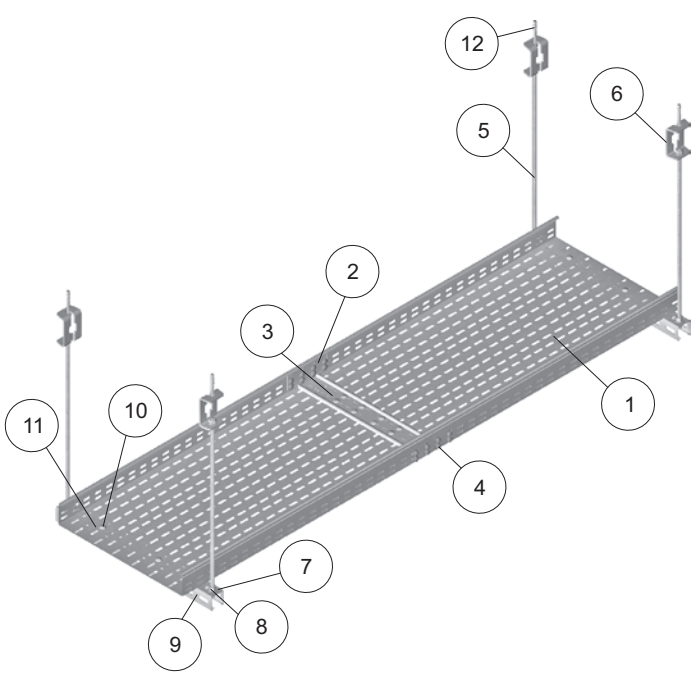
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCD/KCOD400H60/3**	**160640**	2
2	Screw Set	**SGKM6x12**	**651141**	8
3	Threaded Rod	**PGM10/1**	**651001**	2
4*	Rod Hanger	**USV/USOV**	**750709**	2
5*	Washer	**PP10**	**650544**	8
6*	Nut	**NSM10**	**650244**	8
7	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
8	Screw Set	**SGKM6x12**	**651141**	2
9	Washer	**PW6**	**650844**	2
10*	Bolt Anchor	**PSROM10x80**	**804100**	2
	OPTIONALLY TO COMPLETE THE SET *			
5*	Washer	**PP10**	**650544**	4
6*	Nut	**NSM10**	**650244**	4
11	Drop-In Anchor	**TRSOM10**	**804800**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





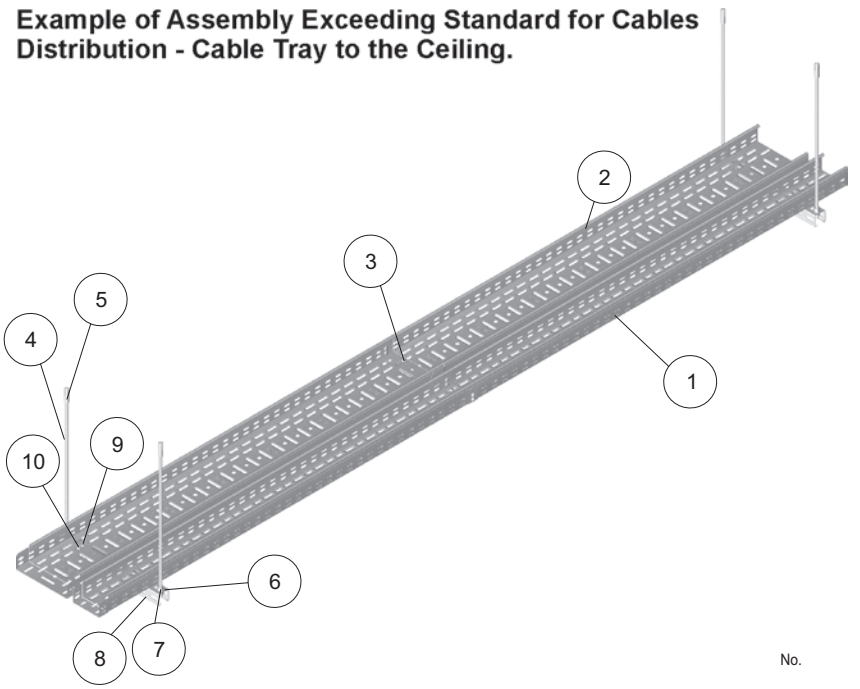
Cable Tray Width 400 mm
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

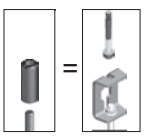
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP400H60/3**	**160840**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Joint Plate	**BL/BLO400**	**100140**	1
4	Screw Set	**SGKM6x12**	**651141**	16
5	Threaded Rod	**PGM10/1**	**651001**	2
6*	Rod Hanger	**USV/USOV**	**750709**	2
7*	Washer	**PP10**	**650544**	8
8*	Nut	**NSM10**	**650244**	8
9	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
10	Screw Set	**SGKM6x12**	**651141**	2
11	Washer	**PW6**	**650844**	2
12*	Bolt Anchor	**PSROM10x80**	**804100**	2
	OPTIONALLY TO COMPLETE THE SET *			
7*	Washer	**PP10**	**650544**	4
8*	Nut	**NSM10**	**650244**	4
13	Drop-In Anchor	**TRSOM10**	**804800**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





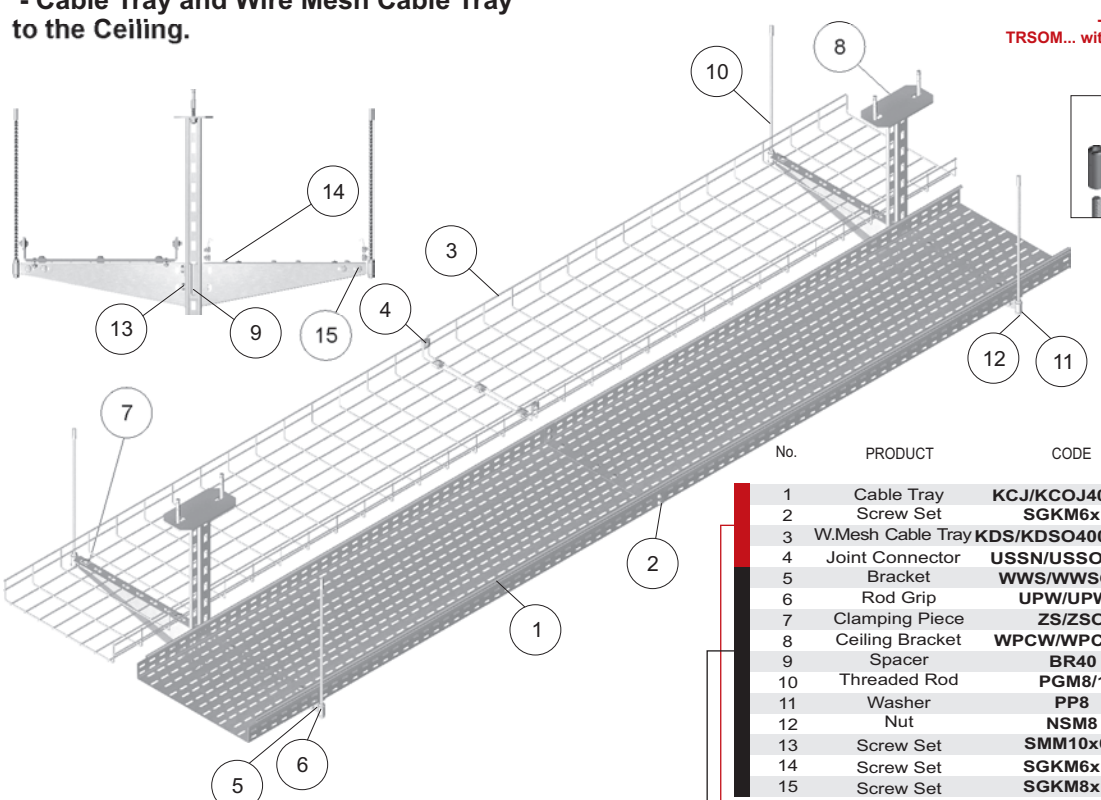
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KGL/KGOL100H60/3	160116	2
2	Cable Tray	KGL/KGOL200H60/3	160316	2
3	Screw Set	SGKM6x12	651141	11
4	Threaded Rod	PGM10/1	651001	2
5	Drop-In Anchor	TRSOM10	804800	2
6	Washer	PP10	650544	4
7	Nut	NSM10	650244	4
8	Support Channel	CWP/CWOP40H40/05	611105	1
9	Screw Set	SGKM6x12	651141	3
10	Washer	PW6	650844	3

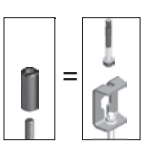
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

The maximum width of the sum of the cable trays 600 mm
Cable Tray Thickness 0,7 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 2 Cable trays

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray and Wire Mesh Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





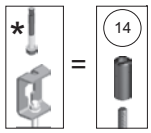
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCJ/KCOJ400H60	160440	2
2	Screw Set	SGKM6x12	651141	8
3	W.Mesh Cable Tray	KDS/KDSO400H60/3	970140	2
4	Joint Connector	USSN/USSO	900201	5
5	Bracket	WWS/WWSO400	710540	2
6	Rod Grip	UPW/UPWO	750100	2
7	Clamping Piece	ZS/ZSO	901600	2
8	Ceiling Bracket	WPCW/WPCO400	750640	1
9	Spacer	BR40	700100	1
10	Threaded Rod	PGM8/1	650801	2
11	Washer	PP8	650444	6
12	Nut	NSM8	650144	4
13	Screw Set	SMM10x60	650943	2
14	Screw Set	SGKM6x12	651141	2
15	Screw Set	SGKM8x14	651241	4

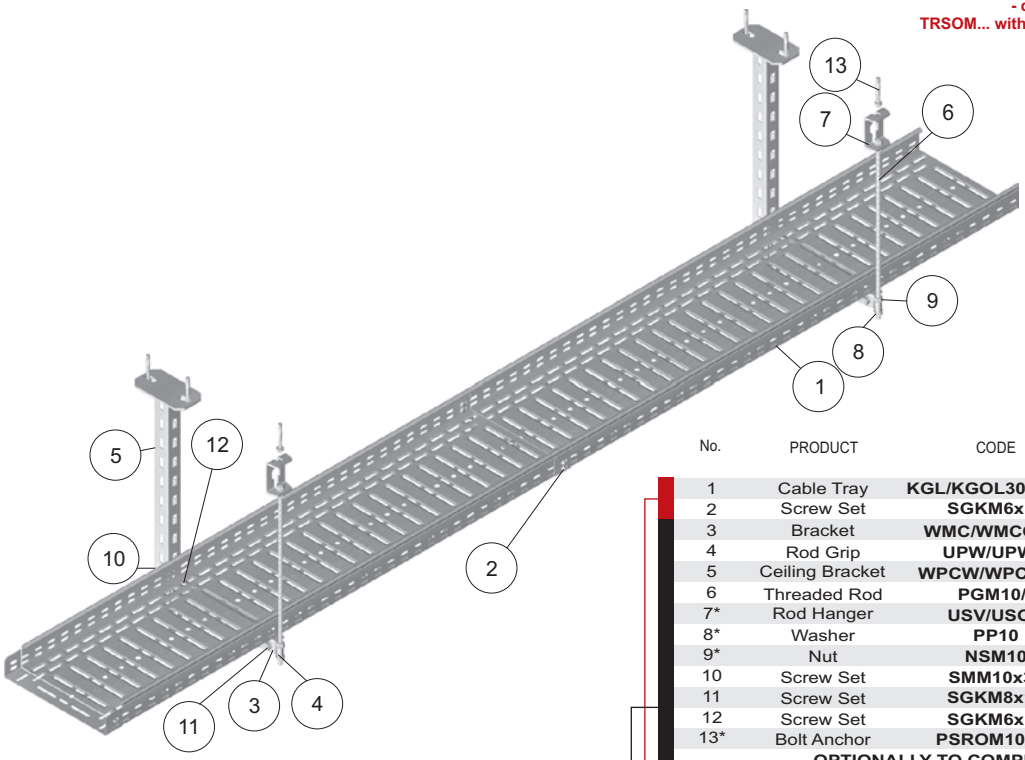
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS and 2 PCS OF WIRE MESH CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Thickness 1,0 mm
Cable Tray Width and Wire Mesh Cable Tray 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for Cable Tray

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





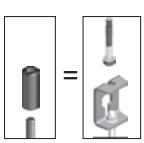
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KGL/KGOL300H60/3	160416	2
2	Screw Set	SGKM6x12	651141	7
3	Bracket	WMC/WMCO300	711130	1
4	Rod Grip	UPW/UPWO	750100	1
5	Ceiling Bracket	WPCW/WPCO400	750640	1
6	Threaded Rod	PGM10/1	651001	1
7*	Rod Hanger	USV/USOV	750709	1
8*	Washer	PP10	650544	4
9*	Nut	NSM10	650244	4
10	Screw Set	SMM10x30	650843	2
11	Screw Set	SGKM8x14	651241	2
12	Screw Set	SGKM6x12	651141	2
13*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	PP10	650544	2
9*	Nut	NSM10	650244	2
13*	Bolt Anchor	PSROM10x80	804100	2
14	Drop-In Anchor	TRSOM10	804800	1

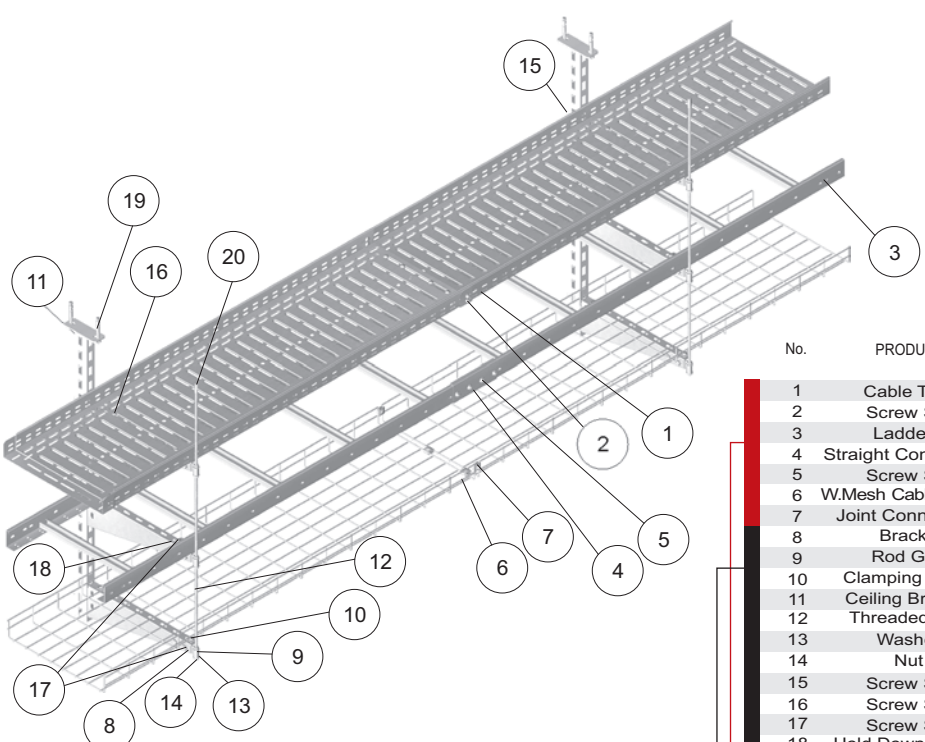
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 300 mm
Cable Tray Thickness 0,7 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray Tray, Wire Mesh Cable tray and Ladder to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





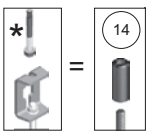
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KGJ/KGOJ400H60	161216	2
2	Screw Set	SGKM6x12	651141	8
3	Ladder	DUD400H60/3N	466040	2
4	Straight Connector	LDC/LDOCH60	461001	2
5	Screw Set	SGKM8x14	651241	8
6	W.Mesh Cable Tray	KDS/KDSO400H60/3	970140	2
7	Joint Connector	USSN/USSO	900201	5
8	Bracket	WWS/WWSO400	710540	3
9	Rod Grip	UPW/UPWO	750100	3
10	Clamping Piece	ZS/ZSO	901600	2
11	Ceiling Bracket	WPCB1000	752010	1
12	Threaded Rod	PGM10/1	651001	1
13	Washer	PP10	650544	6
14	Nut	NSM10	650244	6
15	Screw Set	SMM10x30	650843	6
16	Screw Set	SGKM6x12	651141	2
17	Screw Set	SGKM8x14	651241	8
18	Hold Down Clamp	ZM/ZMO	400700	2
19	Bolt Anchor	PSROM10x80	804100	2
20	Drop-In Anchor	TRSOM10	804800	1

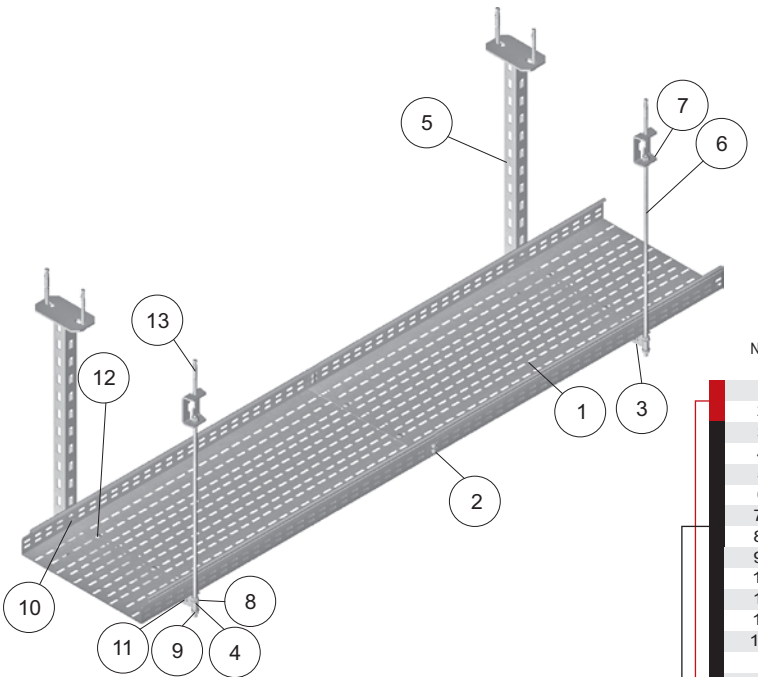
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS, 2 LADDERS and 2 PCS OF WIRE MESH CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray , Ladder and Wire Mesh Cable Tray width 400 mm
Cable Tray Thickness 1,0 mm
Ladder Material Thickness1,2 mm
Ladder Rungs spacing 300 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load for 1 level 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





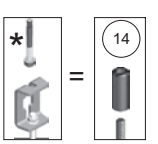
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCJ/KCOJ400H60/3E**	**861940**	2
2	Screw Set	**SGKM6x12E**	**661020**	8
3	Bracket	**WMC/WMCO400E**	**740040**	1
4	Rod Grip	**UPW/UPWOE**	**803301**	1
5	Ceiling Bracket	**WPCW/WPCO400E**	**750140**	1
6	Threaded Rod	**PGM10/1E**	**652101**	1
7*	Rod Hanger	**USV/USOVE**	**805400**	1
8*	Washer	**PP10E**	**652300**	4
9*	Nut	**NSM10E**	**652200**	4
10	Screw Set	**SMM10x30E**	**652600**	2
11	Screw Set	**SGKM8x14E**	**661030**	2
12	Screw Set	**SGKM6x12E**	**661020**	2
13*	Bolt Anchor	**PSROM10x80E**	**804101**	2+1
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	**PP10E**	**652300**	2
9*	Nut	**NSM10E**	**652200**	2
14	Drop-In Anchor	**TRSOM10E**	**804801**	1

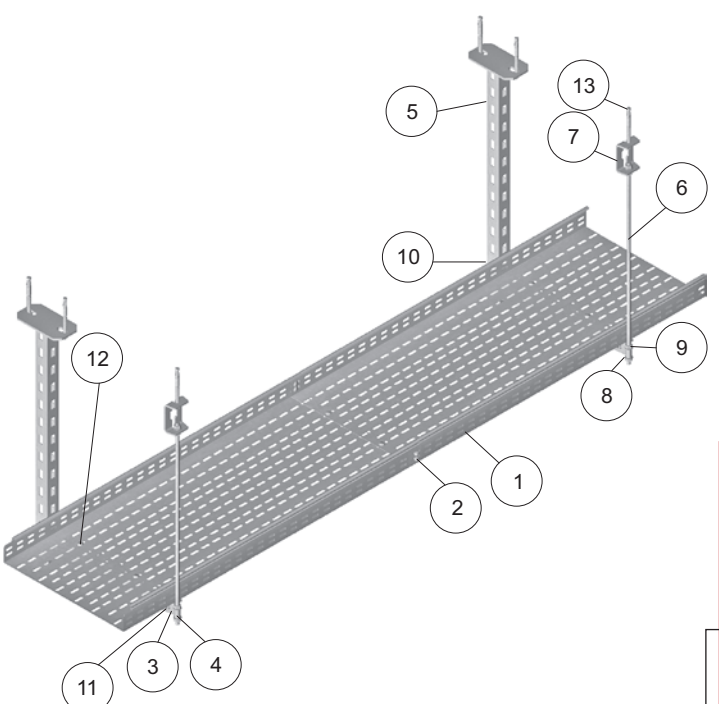
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400mm
Cable Tray Thickness 1,0 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





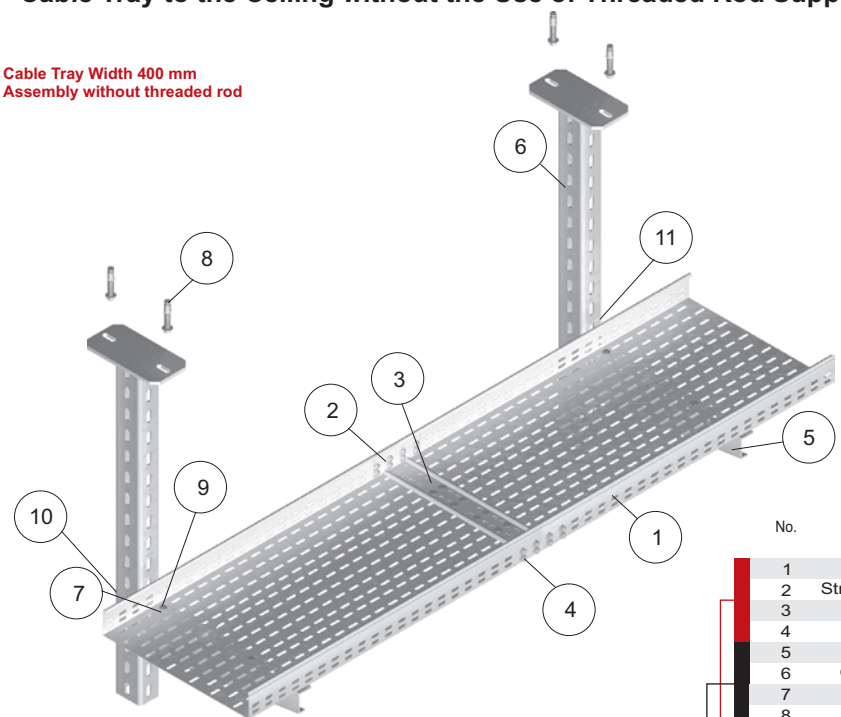
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCD/KCOD400H60/3**	**160640**	2
2	Screw Set	**SGKM6x12**	**651141**	8
3	Bracket	**WWS/WWSO400**	**710540**	1
4	Rod Grip	**UPW/UPWO**	**750100**	1
5	Ceiling Bracket	**WPCW/WPCO400**	**750640**	1
6	Threaded Rod	**PGM10/1**	**651001**	1
7*	Rod Hanger	**USV/USOV**	**750709**	1
8*	Washer	**PP10**	**650544**	4
9*	Nut	**NSM10**	**650244**	4
10	Screw Set	**SMM10x30**	**650843**	2
11	Screw Set	**SGKM8x14**	**651241**	2
12	Screw Set	**SGKM6x12**	**651141**	2
13*	Bolt Anchor	**PSROM10x80**	**804100**	2+1
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	**PP10**	**650544**	2
9*	Nut	**NSM10**	**650244**	2
14	Drop-In Anchor	**TRSOM10**	**804800**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling without the Use of Threaded Rod Support.

Cable Tray Width 400 mm
Assembly without threaded rod

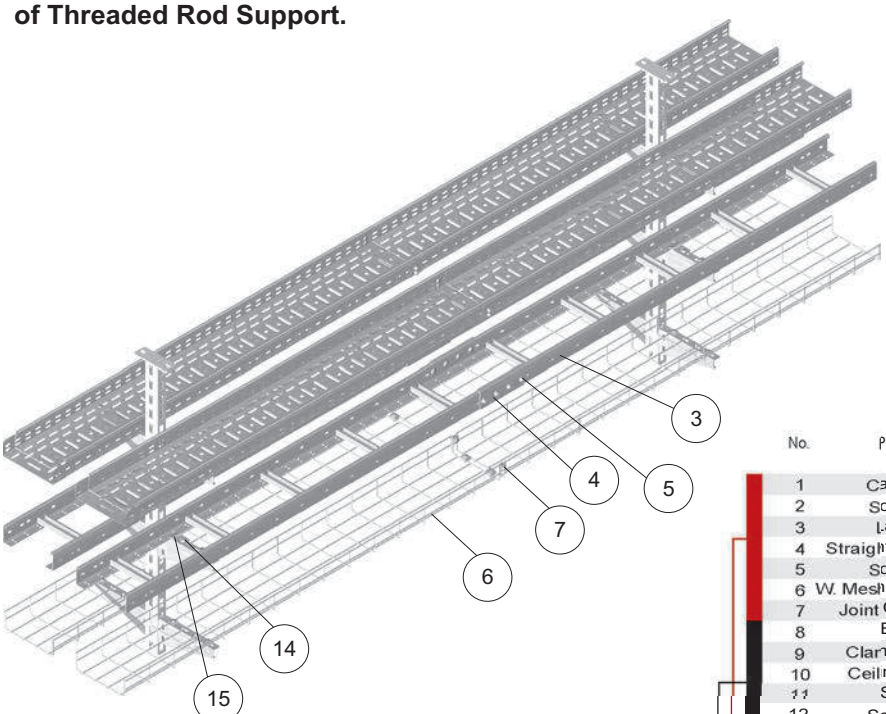


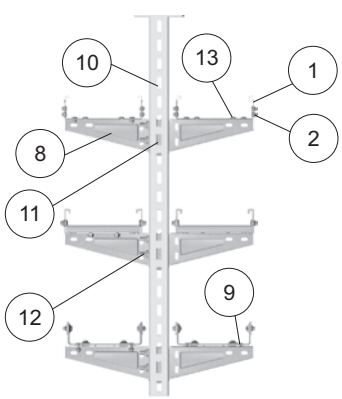
Cable Tray Width 400 mm
Assembly without threaded rod
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load Cable Tray 20 kg/m

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP400H60/3	160840	2
2	Straight Connector	LPP/LPOPH60	163111	2
3	Joint Plate	BL/BLO400	100140	1
4	Screw Set	SGKM6x12	651141	16
5	Bracket	WWCT/WWCTO400	713040	1
6	Ceiling Bracket	WPCE/WPCEO800	721580	1
7	Washer	PW6	650884	2
8	Bolt Anchor	PSROM10x80	804100	2
9	Screw Set	SGKM6x12	651141	2
10	Screw Set	SMM10x120	651443	1
11	Spacer	BR70	700400	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray , Cable Ladder and Wire Mesh Cable Tray to the Ceiling without the Use of Threaded Rod Support.



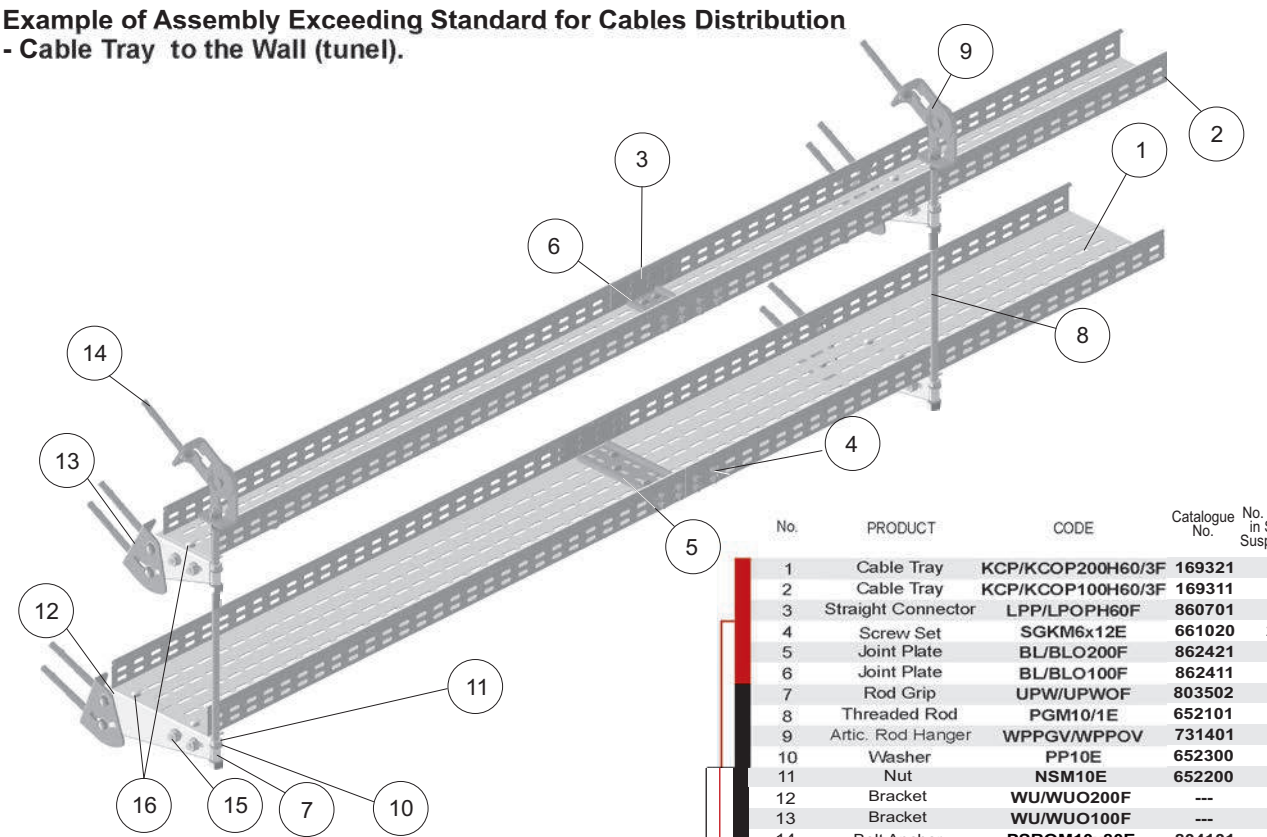


Max. width of Cable Tray Width, Cable Ladder and Wire Mesh Cable Tray - 200 mm
Assembly without threaded rod
Cable Tray Thickness 1,0 mm
Ladder Material Thickness1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m for 1 Cable route

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KGJ/KGOJ200H60/3	161016	4
2	Screw Set	SGKM6x12	651141	12
3	Ladder	DUD200H60/3N	466020	4
4	Straight Connector	LDC/LDOCH60	461001	4
5	Screw Set	SGKM8x14	651241	16
6	W. Mesh Cable Tray	KDS/KDSO200H60/3	970120	4
7	Joint Connector	USSN/USSO	900201	8
8	Bracket	WWS/WWSO200	710520	6
9	Clamping Piece	ZS/ZSO	901600	4
10	Ceiling Bracket	WPCB1000	752010	1
11	Spacer	BR55	700300	3
12	Screw Set	SMM10x80	651043	6
13	Screw Set	SGKM6x12	651141	4
14	Screw Set	SGKM8x14	651241	4
15	Hold Down Clamp	ZM/ZMO	400700	4

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS, 2 LADDERS and 2 PCS OF OF WIRE MESH CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Wall (tunel).



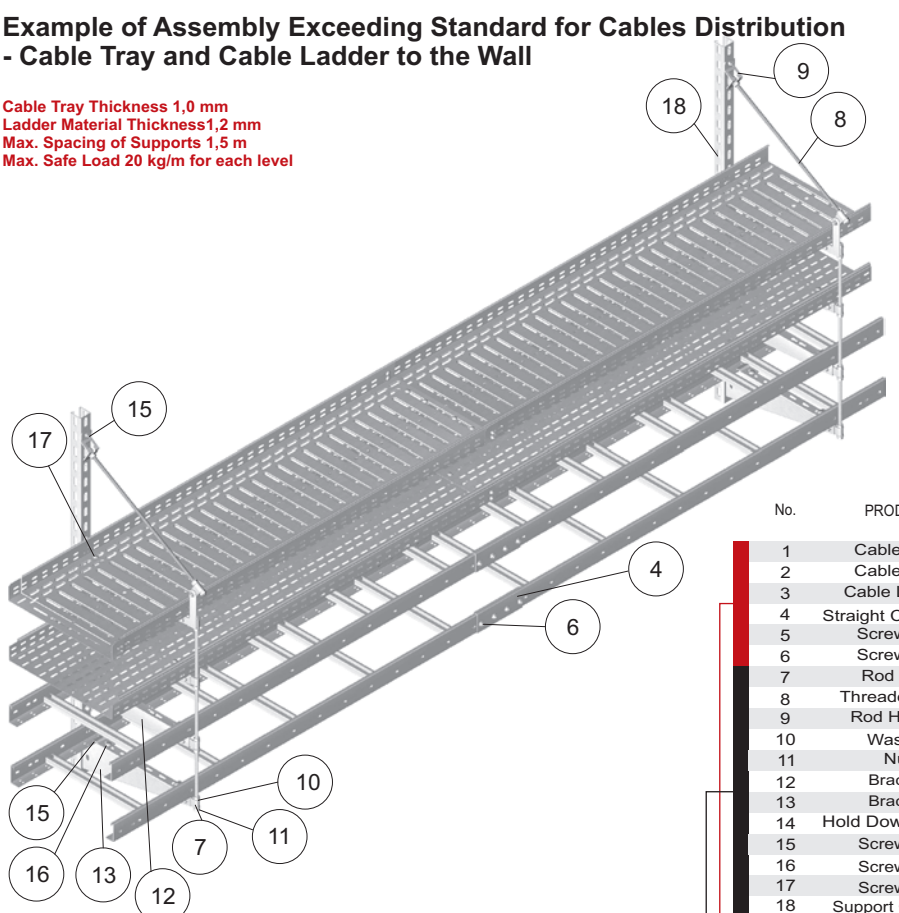
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KCP/KCOP200H60/3F	169321	2
2	Cable Tray	KCP/KCOP100H60/3F	169311	2
3	Straight Connector	LPP/LPOPH60F	860701	4
4	Screw Set	SGKM6x12E	661020	24
5	Joint Plate	BL/BLO200F	862421	1
6	Joint Plate	BL/BLO100F	862411	1
7	Rod Grip	UPW/UPWOF	803502	2
8	Threaded Rod	PGM10/1E	652101	1
9	Artic. Rod Hanger	WPPGV/WPPOV	731401	1
10	Washer	PP10E	652300	6
11	Nut	NSM10E	652200	6
12	Bracket	WU/WUO200F	---	1
13	Bracket	WU/WUO100F	---	1
14	Bolt Anchor	PSROM10x80E	804101	5
15	Screw Set	SGKM8x14E	661030	4
16	Screw Set	SGKM6x12E	661020	3

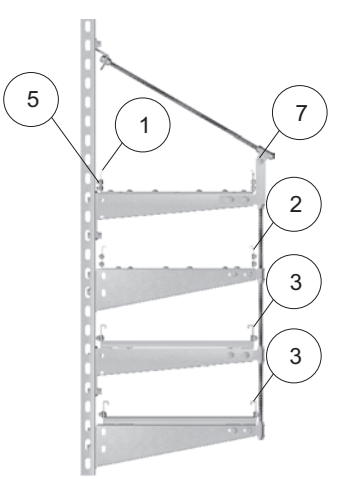
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray and Cable Ladder to the Wall

Cable Tray Thickness 1,0 mm
Ladder Material Thickness1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for each level



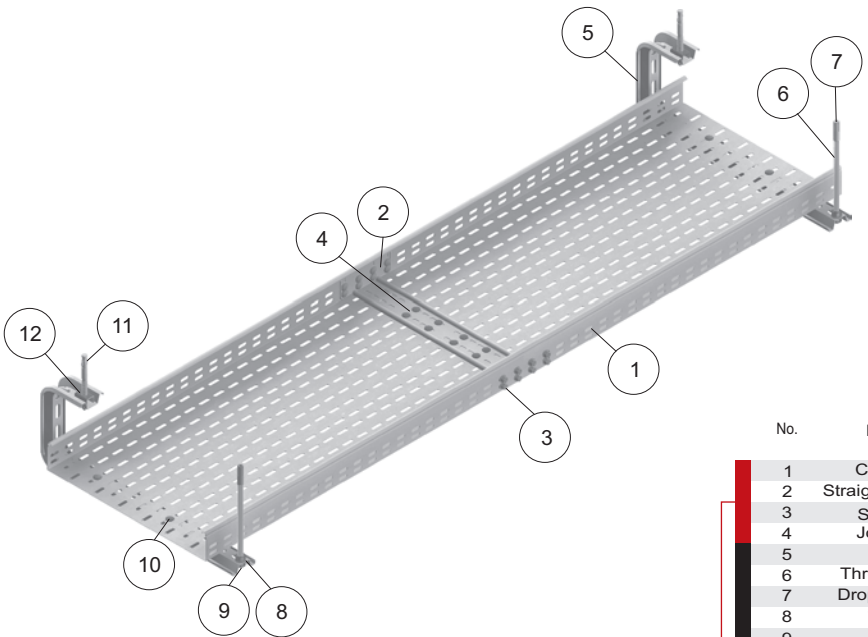


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	KGJ/KGOJ400H60/3	161216	2
2	Cable Tray	KCJ/KCOJ400H60/3	160440	2
3	Cable Ladder	DUD/DUOD400H60/3	466040	4
4	Straight Connector	LDC/LDOCH60	461001	4
5	Screw Set	SGKM6x12	651141	16
6	Screw Set	SGKM8x14	651241	16
7	Rod Grip	UPW/UPWO	750100	4
8	Threaded Rod	PGM10/1	651001	2
9	Rod Hanger	WKPO	750809	1
10	Washer	PP10	650554	12
11	Nut	NSM10	650224	12
12	Bracket	WMC/WMCO400	711140	2
13	Bracket	WWS/WWSO400	710540	2
14	Hold Down Clamp	ZM/ZMO	400700	4
15	Screw Set	SMM10x30	650843	9
16	Screw Set	SGKM8x14	651241	12
17	Screw Set	SGKM6x12	651141	4
18	Support Channel	CWP/CWOP40H40/1	611110	1

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS I 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Mounting Support Channel to the Wall - 3 Anchor Bolt PSROM10x120

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling.



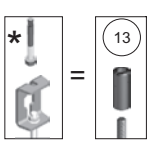
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP400H60**	**160840**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Screw Set	**SGKM6x12**	**651141**	16
4	Joint Plate	**BL/BLO400**	**100140**	1
5	Bracket	**WFC/WFCO400**	**720340**	1
6	Threaded Rod	**PGM10/1**	**651001**	1
7	Drop-In Anchor	**TRSOM10**	**804800**	1
8	Washer	**PP10**	**650544**	2
9	Nut	**NSM10**	**650244**	2
10	Screw Set	**SGKM6x12**	**651141**	2
11	Bolt Anchor	**PSROM10x80**	**804100**	1
12	Spacer	**PD11**	**803100**	1

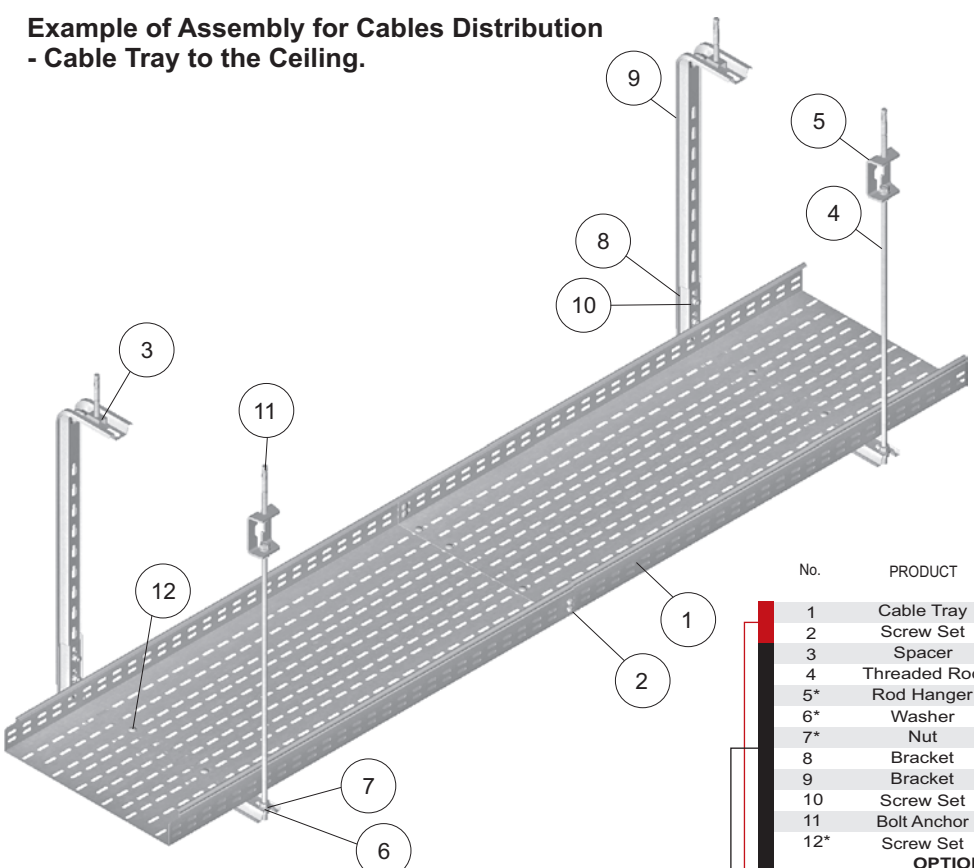
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





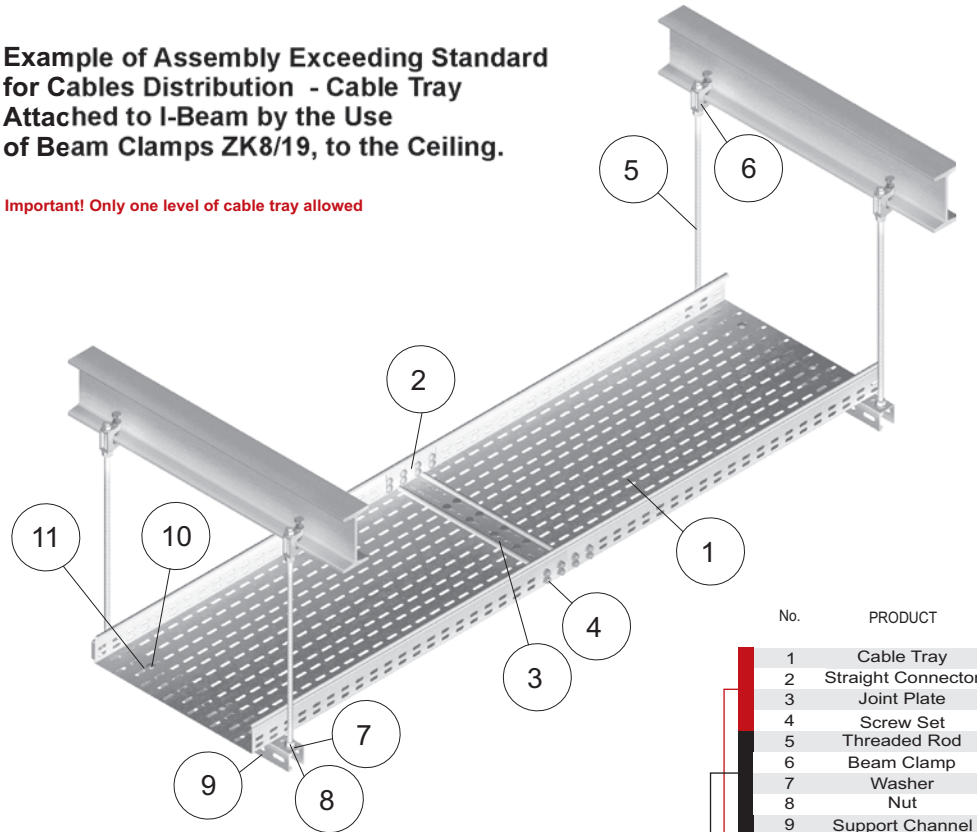
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCD/KCOD400H60/3**	**160640**	2
2	Screw Set	**SGKM6x12**	**651141**	8
3	Spacer	**PD11**	**803100**	1
4	Threaded Rod	**PGM10/1**	**651001**	1
5*	Rod Hanger	**USV/USOV**	**750709**	1
6*	Washer	**PP10**	**650544**	4
7*	Nut	**NSM10**	**650244**	4
8	Bracket	**WFL/WFLO400**	**720140**	1
9	Bracket	**WFL/WFLO500**	**720150**	1
10	Screw Set	**SMM10x20**	**650743**	2
11	Bolt Anchor	**PSROM10x80**	**804100**	1+1
12*	Screw Set	**SGKM6x12**	**651141**	2
	OPTIONALLY TO COMPLETE THE SET *			
6*	Washer	**PP10**	**650544**	2
7*	Nut	**NSM10**	**650244**	2
13	Drop-In Anchor	**TRSOM10**	**804800**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400mm
Cable Tray Thickness 1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray Attached to I-Beam by the Use of Beam Clamps ZK8/19, to the Ceiling.

Important! Only one level of cable tray allowed



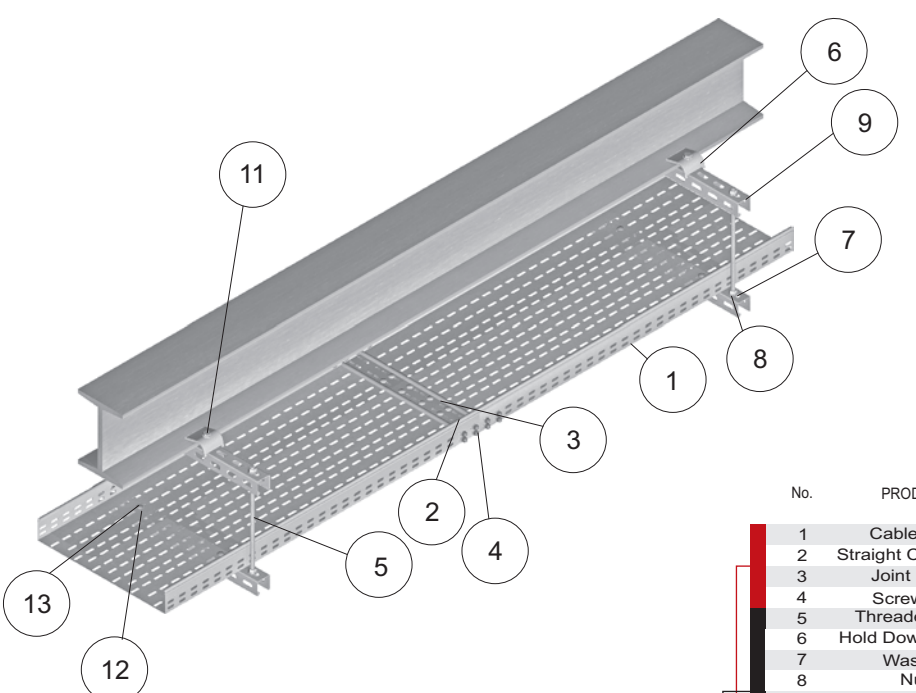
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP400H60/3**	**160840**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Joint Plate	**BL/BLO400**	**100140**	1
4	Screw Set	**SGKM6x12**	**651141**	16
5	Threaded Rod	**PGM8/1**	**650801**	2
6	Beam Clamp	**ZK8/19**	**752208**	2
7	Washer	**PP8**	**650444**	8
8	Nut	**NSM8**	**650144**	8
9	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
10	Screw Set	**SGKM6x12**	**651141**	2
11	Washer	**PW6**	**650844**	2

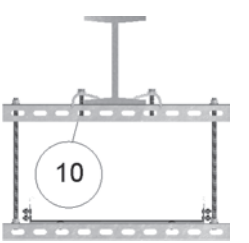
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400mm
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray Attached to I-Beam by the Use of Hold Down Clamp UDC.

Important! Only one level of cable tray allowed



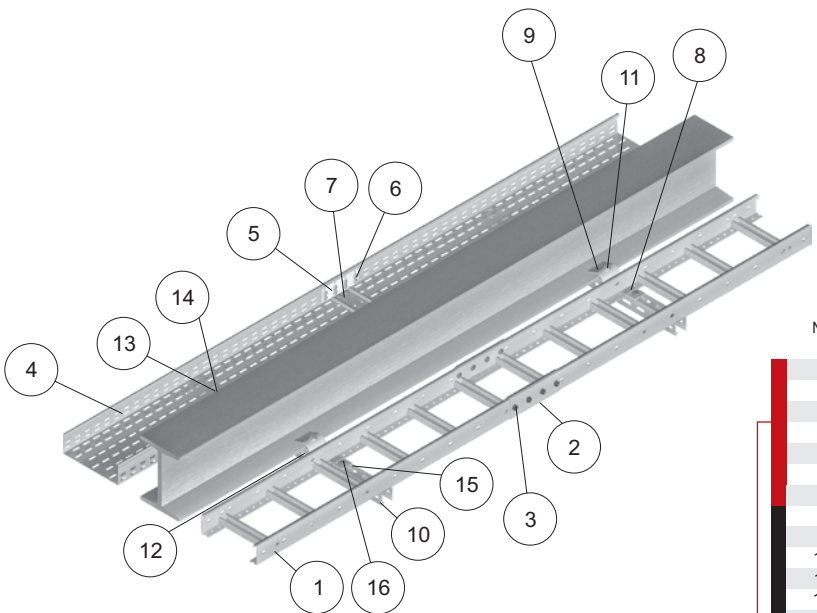


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP400H60/3**	**160840**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Joint Plate	**BL/BLO400**	**100140**	1
4	Screw Set	**SGKM6x12**	**651141**	16
5	Threaded Rod	**PGM10/1**	**651001**	2
6	Hold Down Clamp	**UDC**	**750806**	2
7	Washer	**PP10**	**650544**	8
8	Nut	**NSM10**	**650244**	8
9	Support Channel	**CWP/CWOP40H40/05**	**611105**	2
10	Washer	**PW10**	**651044**	2
11	Screw Set	**SMM10x60**	**650943**	2
12	Washer	**PW6**	**650884**	2
13	Screw Set	**SGKM6x12**	**651141**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m.
Max. Safe Load Cable Tray 10 kg/m
Max. Width of Cable Tray 400mm.

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray and on Cable Ladder, Attached to I-Beam by the Use of Hold Down Clamp UDC

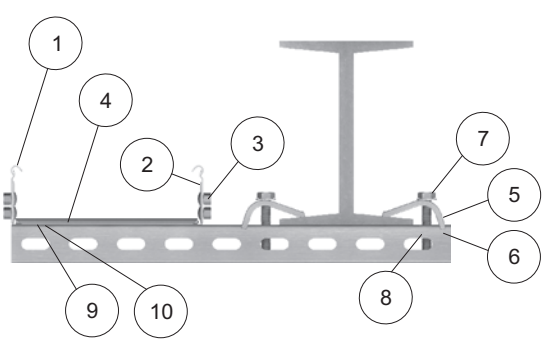


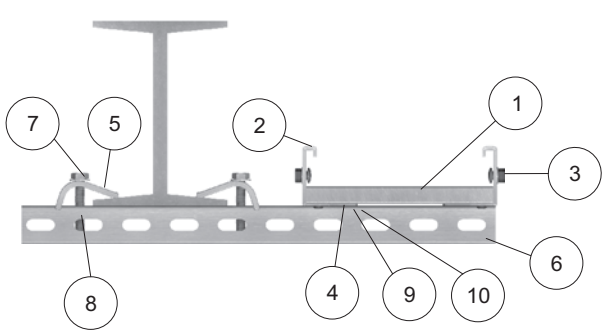
Cable Tray and Ladder Thickness 1,5 mm
Max. Spacing of Supports 1,5 m.
Max. Safe Load Cable Ladder 10kg/m.
Max. Safe Load Cable Tray 10 kg/m
Max. width of Cable Tray and Cable Ladder 200mm

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP200H60/3N**	**863023**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Cable Tray	**KCP/KCOP200H60/3**	**161420**	2
5	Straight Connector	**LPP/LPOPH60**	**163111**	2
6	Screw Set	**SGKM6x12**	**651141**	12
7	Joint Plate	**BL/BLO200**	**100120**	1
8	Hold Down Clamp	**ZM/ZMO**	**400700**	2
9	Hold Down Clamp	**UDC**	**750806**	2
10	Support Channel	**CWP/CWOP40H40/1**	**611110**	1
11	Screw Set	**SMM10x60**	**650943**	2
12	Washer	**PW10**	**651044**	2
13	Washer	**PW6**	**650884**	2
14	Screw Set	**SGKM6x12**	**651141**	2
15	Washer	**PW8**	**650944**	2
16	Screw Set	**SGKM8x14**	**651241**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS and 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray or Cable Ladder Attached to I-Beam by the Use of Hold Down Clamp UDC





Cable Tray and Ladder Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load Cable Ladder 10kg/m
Max. Safe Load Cable Tray 10 kg/m
Max. width of Cable Tray and Cable Ladder 200mm

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP200H60/3**	**161420**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Screw Set	**SGKM6x12**	**651141**	12
4	Joint Plate	**BL/BLO200**	**100120**	1
5	Hold Down Clamp	**UDC**	**750806**	2
6	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
7	Screw Set	**SMM10x60**	**650943**	2
8	Washer	**PW10**	**651044**	2
9	Washer	**PW6**	**650884**	2
10	Screw Set	**SGKM6x12**	**651141**	2

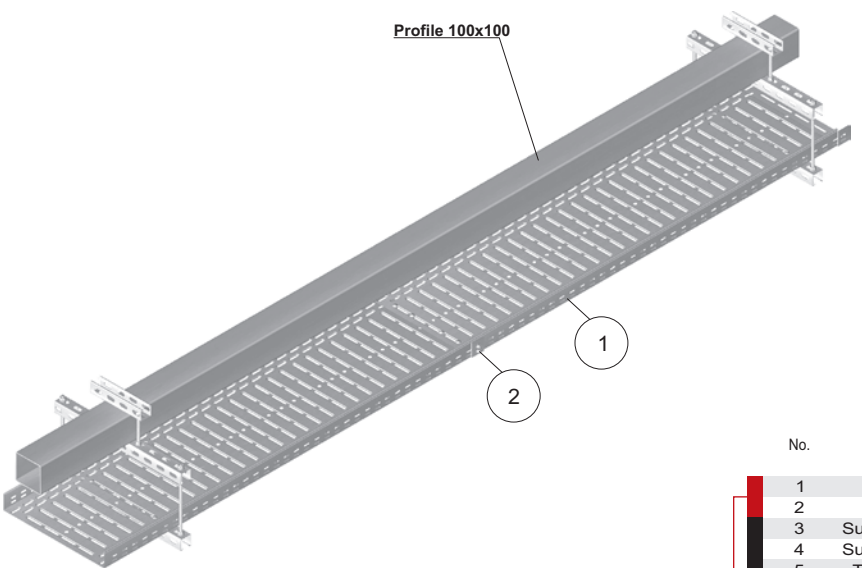
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

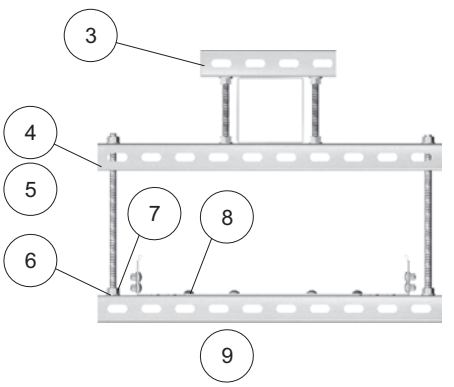
ALTERNATIVE ASSEMBLY OF THE LADDERS

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP200H60/3N**	**863023**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Hold Down Clamp	**UDC**	**750806**	2
6	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
7	Screw Set	**SMM10x60**	**650943**	2
8	Washer	**PW10**	**651044**	2
9	Washer	**PW8**	**650944**	2
10	Screw Set	**SGKM8x14**	**651241**	2

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray mFixed to Steel Profile 100x100



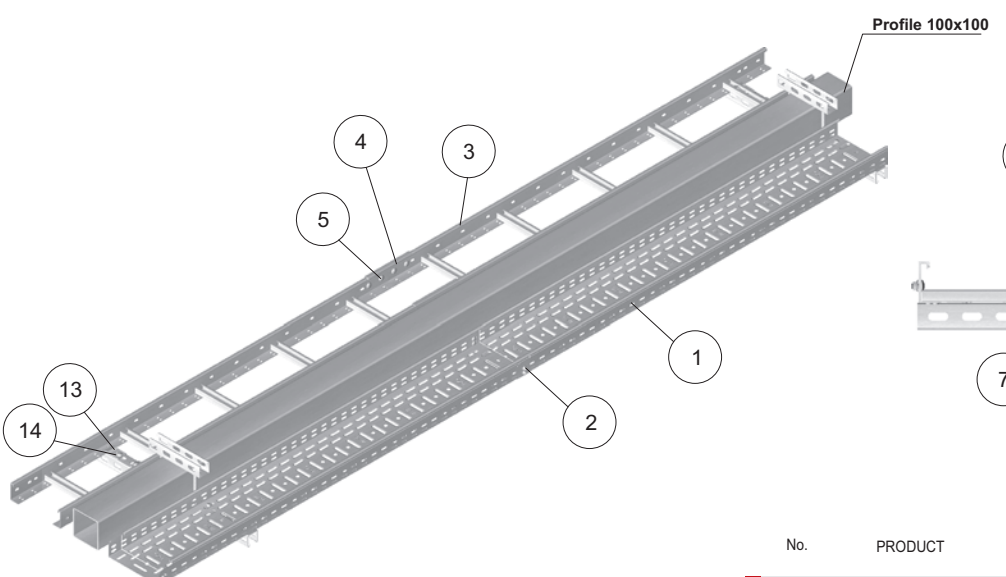


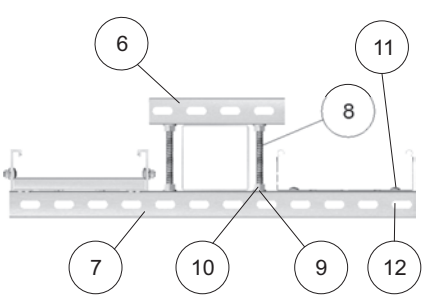
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KGJ/KGOJ400H60/3**	**161216**	2
2	Screw Set	**SGKM6x12**	**651141**	8
3	Support Channel	**CWP/CWOP40H40/02**	**611102**	1
4	Support Channel	**CWP/CWOP40H40/05**	**611105**	2
5	Threaded Rod	**PGM10/1**	**651001**	2
6	Washer	**PP10**	**650544**	16
7	Nut	**NSM10**	**650244**	16
8	Screw Set	**SGKM6x12**	**651141**	2
9	Washer	**PW6**	**650844**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Width of Cable Tray 400 mm
Cable Tray Thickness 1,0 mm
Max. Spacing of Supports 1,5 m.
Max. Safe Load Cable Tray 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray or Cable Ladder Fixed to Steel Profile 100x100



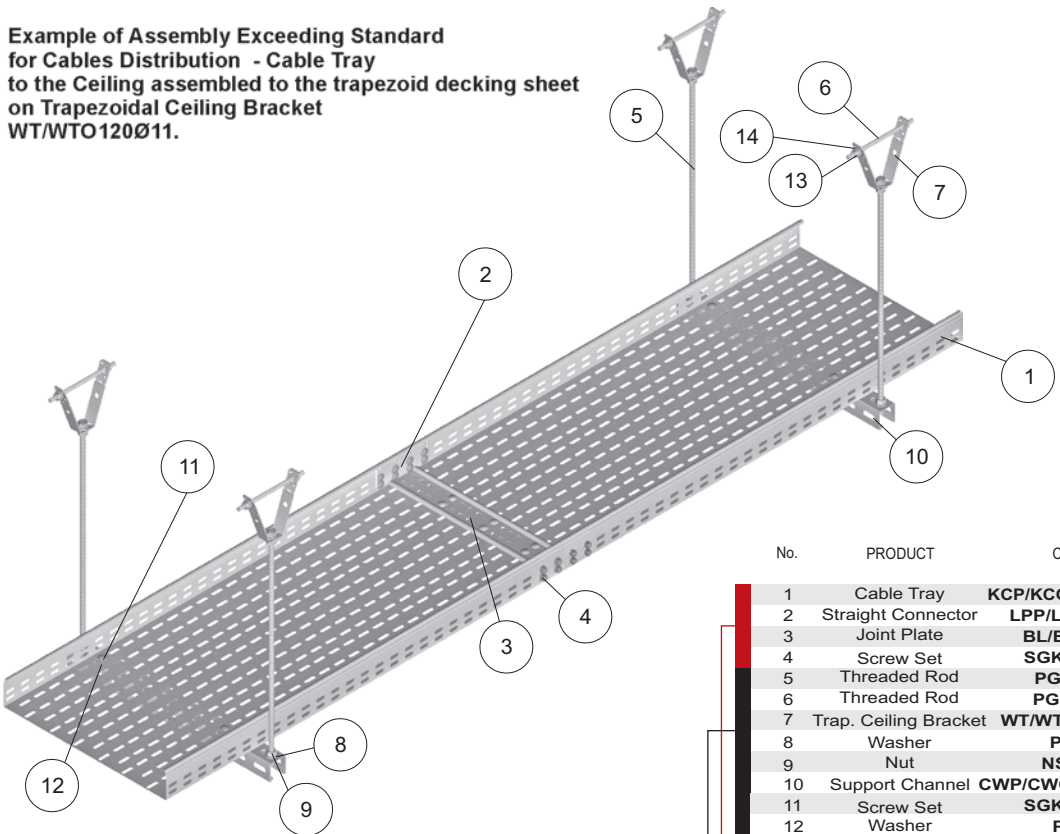


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KGJ/KGOJ200H60/3**	**161016**	2
2	Screw Set	**SGKM6x12**	**651141**	6
3	Ladder	**DUP/DUOP200H60/3N**	**466320**	2
4	Straight Connector	**LDC/LDOCH60**	**461001**	2
5	Screw Set	**SGKM8x14**	**651241**	8
6	Support Channel	**CWP/CWOP40H40/02**	**611102**	1
7	Support Channel	**CWP/CWOP40H40/06**	**611106**	1
8	Threaded Rod	**PGM10/1**	**651001**	1
9	Washer	**PP10**	**650544**	8
10	Nut	**NSM10**	**650244**	8
11	Screw Set	**SGKM6x12**	**651141**	2
12	Washer	**PW6**	**650884**	2
13	Hold Down Clamp	**ZM/ZMO**	**400700**	2
14	Screw Set	**SGKM8x14**	**651241**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS and 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Max. width of Cable Tray and Cable Ladder 200 mm
Cable Tray Thickness 1,0 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load for the ladder 10kg/m
Max. Safe Load Cable Tray 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling assembled to the trapezoid decking sheet on Trapezoidal Ceiling Bracket WT/WTO120Ø11.

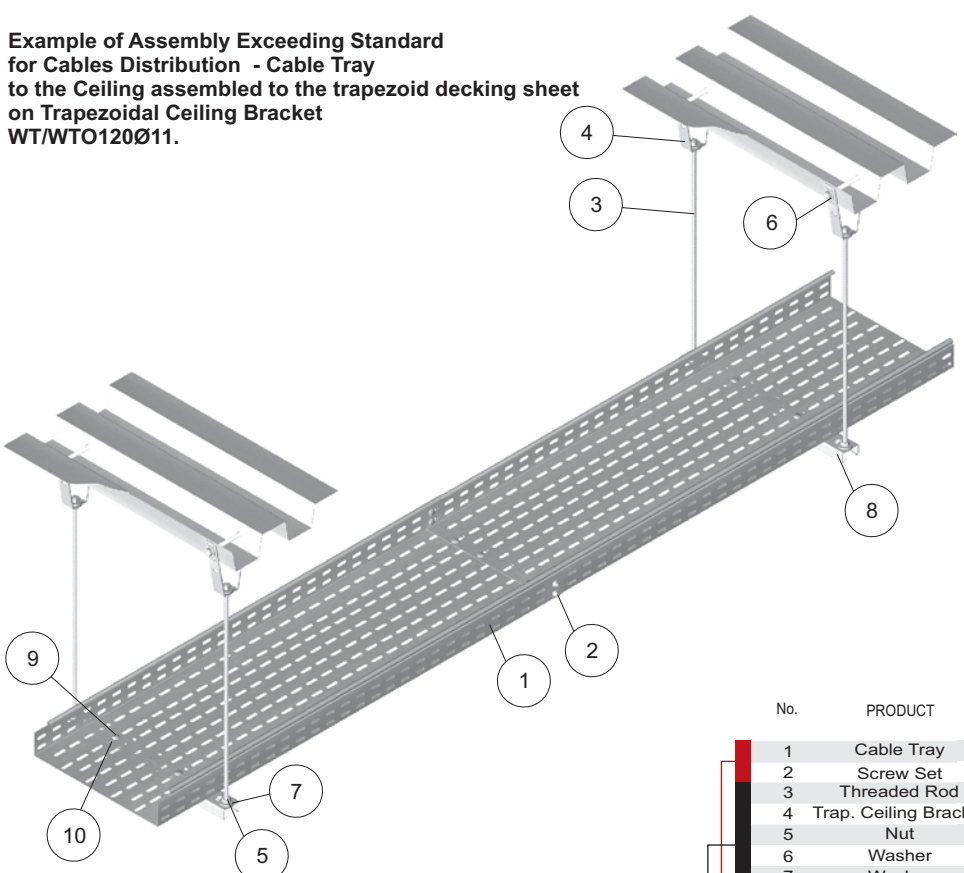


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP400H60/3**	**160840**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Joint Plate	**BL/BLO400**	**100140**	1
4	Screw Set	**SGKM6x12**	**651141**	16
5	Threaded Rod	**PGM10/1**	**651001**	2
6	Threaded Rod	**PGM8/01**	**650501**	2
7	Trap. Ceiling Bracket	**WT/WTO120Ø11**	**730712**	2
8	Washer	**PP10**	**650544**	8
9	Nut	**NSM10**	**650244**	8
10	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
11	Screw Set	**SGKM6x12**	**651141**	2
12	Washer	**PW6**	**650844**	2
13	Nut	**NSM8**	**650144**	4
14	Washer	**PP8**	**650144**	4

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Max. Width of Cable Tray 400 mm
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Ceiling assembled to the trapezoid decking sheet on Trapezoidal Ceiling Bracket WT/WTO120Ø11.

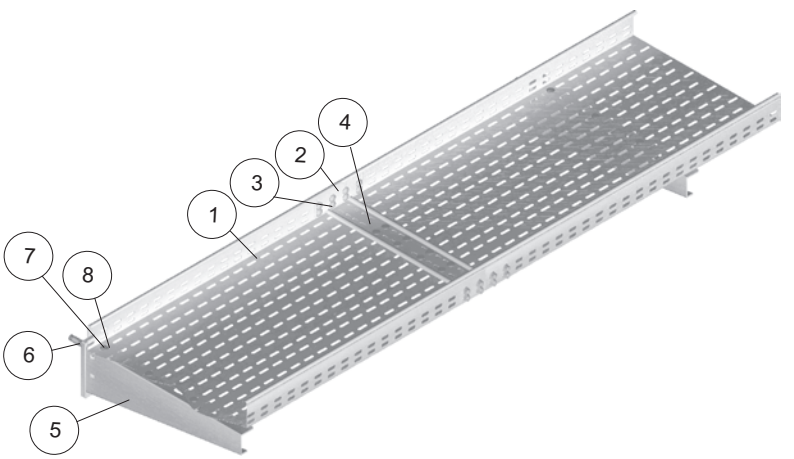


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCL/KCOL300H60/3**	**160830**	2
2	Screw Set	**SGKM6x12**	**651141**	7
3	Threaded Rod	**PGM8/1**	**650801**	2
4	Trap. Ceiling Bracket	**WT/WTO120Ø11**	**730712**	2
5	Nut	**NSM8**	**650144**	12
6	Washer	**PP8**	**650444**	8
7	Washer	**PW8**	**650944**	4
8	Support Channel	**CWP40H22/04**	**610204**	1
9	Screw Set	**SGKM6x12**	**651141**	2
10	Washer	**PW6**	**650844**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Max. Width of Cable Tray 300 mm
Cable Tray Thickness 0,7 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Wall without the Use of Threaded Rod Support.

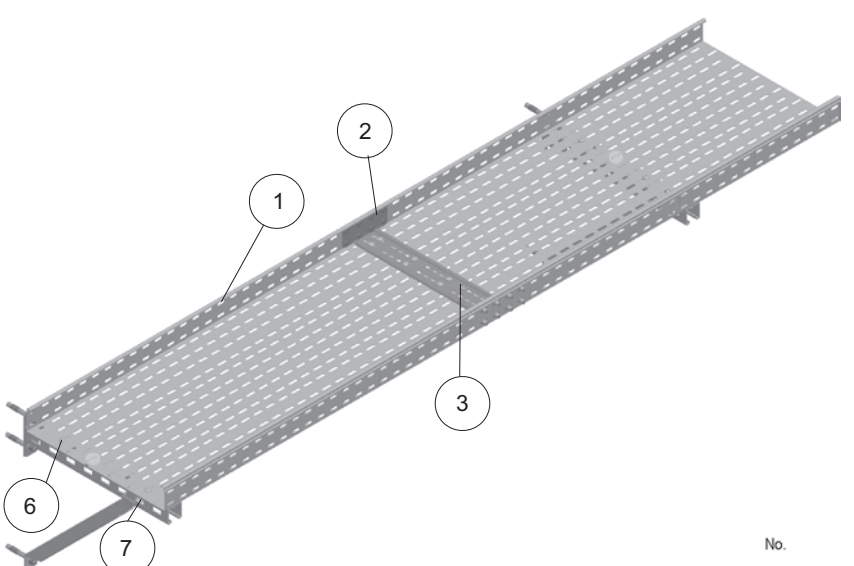


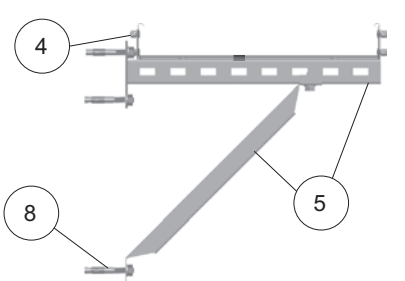
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP400H60/3**	**160840**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Screw Set	**SGKM6x12**	**651141**	16
4	Joint Plate	**BL/BLO400**	**100140**	1
5	Bracket	**WWCT/WWCTO400**	**713040**	1
6	Bolt Anchor	**PSROM10x80**	**804100**	1
7	Screw Set	**SGKM6x12**	**651141**	2
8	Washer	**PW6**	**650884**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m
Assembly without threaded rod

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Wall without the Use of Threaded Rod Support.





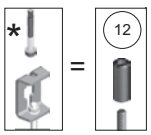
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCP/KCOP400H60/3**	**160840**	2
2	Straight Connector	**LPP/LPOPH60**	**163111**	2
3	Joint Plate	**BL/BLO400**	**100140**	1
4	Screw Set	**SGKM6x12**	**651141**	16
5	Bracket, komplet	**WPTKO400**	**800940**	1
6	Screw Set	**SGKM6x12**	**651141**	2
7	Washer	**PW6**	**650844**	2
8	Bolt Anchor	**PSROM10x80**	**804100**	2+1

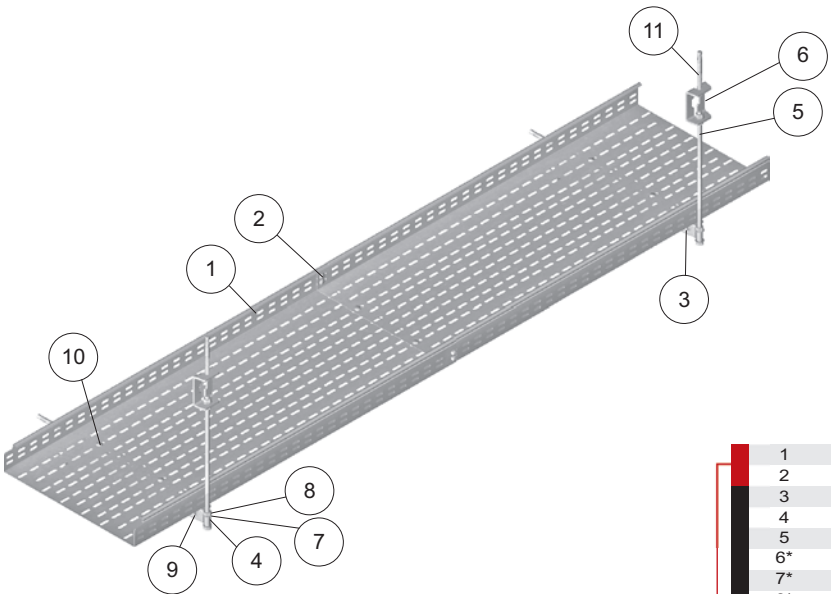
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m
Assembly without threaded rod

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray to the Wall and Ceiling

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV



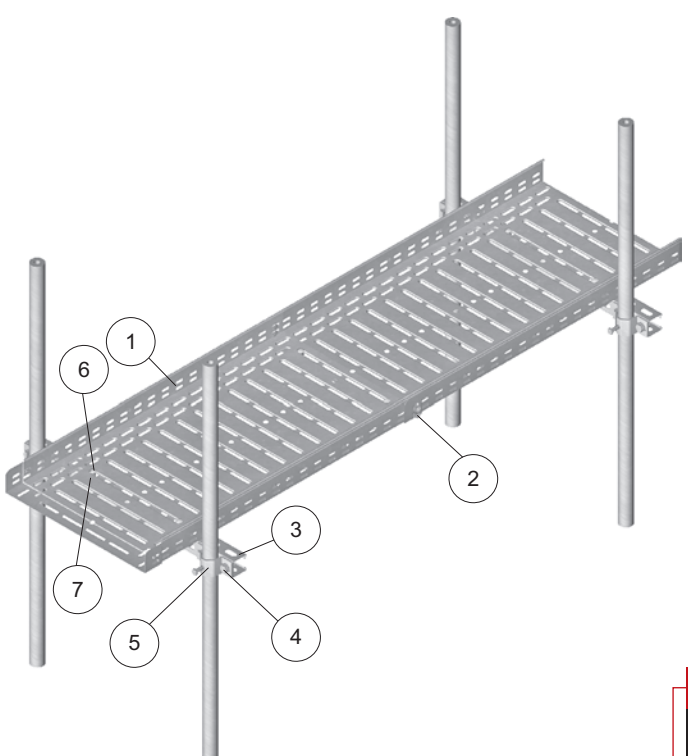


1	Cable Tray	**KCD/KCOD400H60/3**	**160640**	2
2	Screw Set	**SGKM6x12**	**651141**	8
3	Bracket	**WMC/WMCO400**	**711140**	1
4	Rod Grip	**UPW/UPWO**	**750100**	1
5	Threaded Rod	**PGM10/1**	**651001**	1
6*	Rod Hanger	**USV/USOV**	**750709**	1
7*	Washer	**PP10**	**650544**	4
8*	Nut	**NSM10**	**650244**	4
9	Screw Set	**SGKM8x14**	**651241**	2
10	Screw Set	**SGKM6x12**	**651141**	2
11*	Bolt Anchor	**PSROM10x80**	**804100**	2+1
	OPTIONALLY TO COMPLETE THE SET *			
7*	Washer	**PP10**	**650544**	2
8*	Nut	**NSM10**	**650244**	2
12	Drop-In Anchor	**TRSOM10**	**804800**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Tray assembled on pipes in raised floor installation.



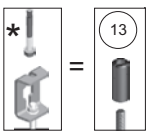
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KGJ/KGOJ400H60/3**	**161216**	2
2	Screw Set	**SGKM6x12**	**651141**	8
3	Support Channel	**CWP/CWOP40H40/07**	**804107**	1
4	Screw Set	**SMM10x20**	**650743**	4
5	Pipe Clamp	**OBR35**	**753400**	2
6	Screw Set	**SGKM6x12**	**651141**	2
7	Washer	**PW6**	**650844**	2

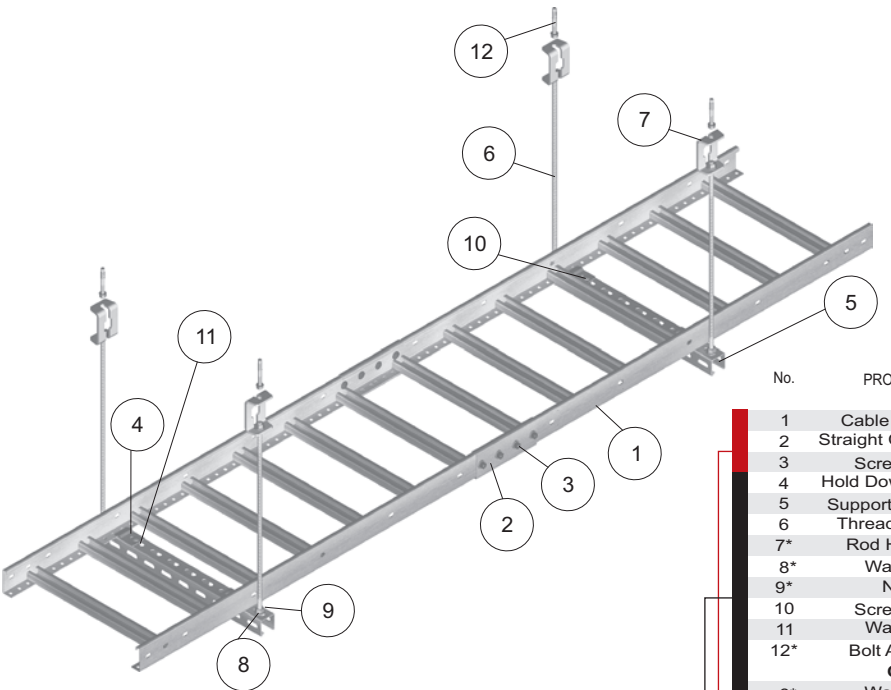
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Cable Tray Width 400 mm
Cable Tray Thickness 1,0 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load Cable Tray 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





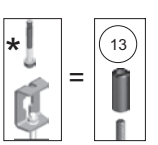
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOD400H60/3E	867240	2
2	Straight Connector	LDC/LDOCH60E	361001	2
3	Screw Set	SGKM8x14E	661030	8
4	Hold Down Clamp	ZM/ZMOE	300700	2
5	Support Channel	CWP/CWOP40H40/05E	805305	1
6	Threaded Rod	PGM10/1E	652101	2
7*	Rod Hanger	USV/USOVE	805400	2
8*	Washer	PP10E	652300	8
9*	Nut	NSM10E	652200	8
10	Screw Set	SGKM8x14E	661030	2
11	Washer	PW8E	660944	2
12*	Bolt Anchor	PSROM10x80E	804101	2
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	PP10E	652300	4
9*	Nut	NSM10E	652200	4
13	Drop-In Anchor	TRSOM10E	804801	2

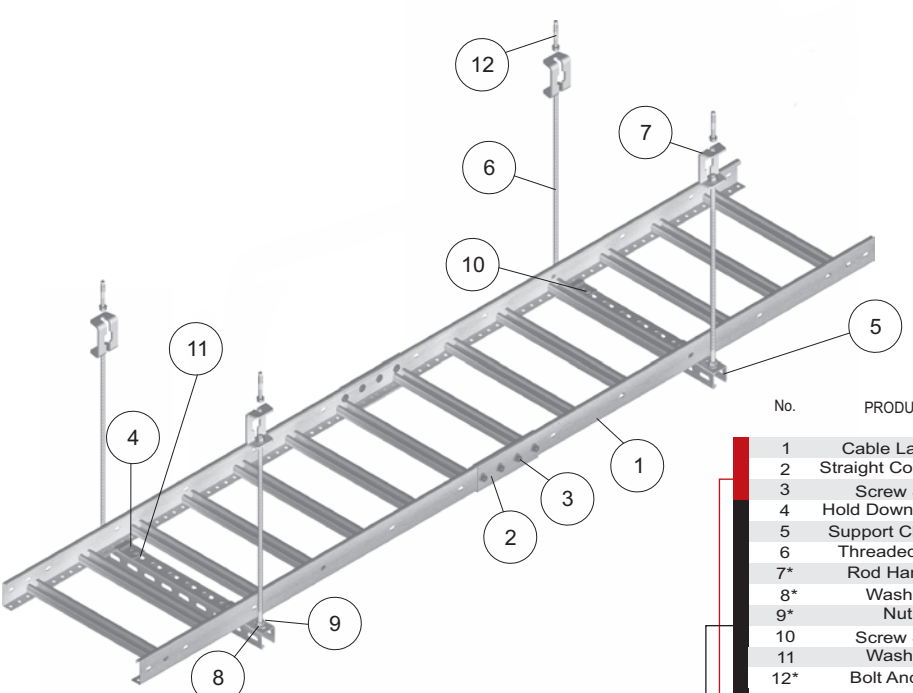
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





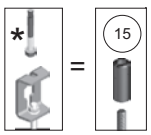
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	300700	2
5	Support Channel	CWP/CWOP40H40/05	611105	1
6	Threaded Rod	PGM10/1	651001	2
7*	Rod Hanger	USV/USOV	750709	2
8*	Washer	PP10	650544	8
9*	Nut	NSM10	650244	8
10	Screw Set	SGKM8x14	651241	2
11	Washer	PW8	650944	2
12*	Bolt Anchor	PSROM10x80	804100	2
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	PP10	650544	4
9*	Nut	NSM10	650244	4
13	Drop-In Anchor	TRSOM10	804800	2

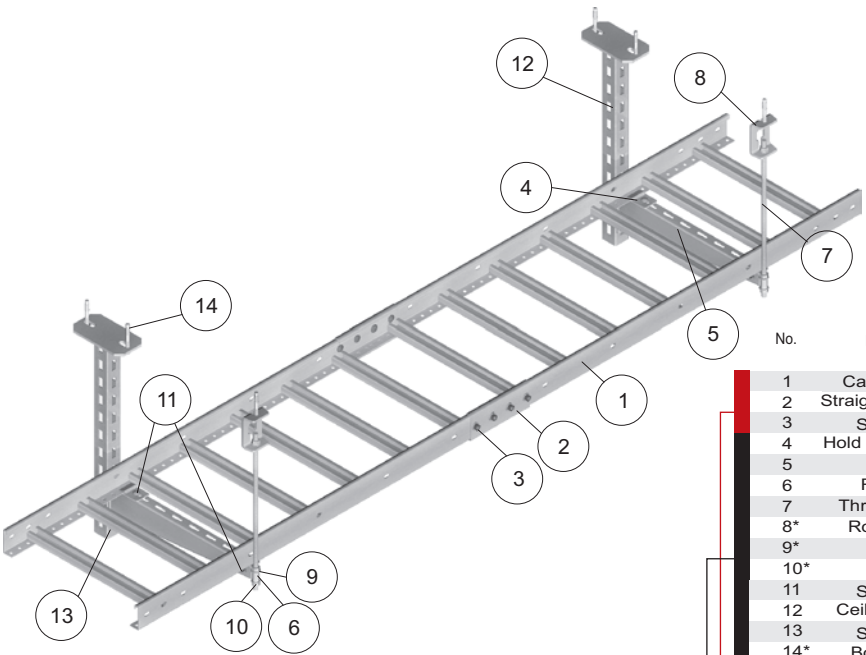
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





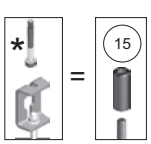
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOD400H60/3E	867240	2
2	Straight Connector	LDC/LDOCH60E	361001	2
3	Screw Set	SGKM8x14E	661030	8
4	Hold Down Clamp	ZM/ZMOE	300700	2
5	Bracket	WMC/WMCO400E	740040	1
6	Rod Grip	UPW/UPWOE	803301	1
7	Threaded Rod	PGM10/1E	652101	1
8*	Rod Hanger	USV/USOVE	805400	1
9*	Washer	PP10E	652300	4
10*	Nut	NSM10E	652200	4
11	Screw Set	SGKM8x14E	661030	4
12	Ceiling Bracket	WPCW/WPCO400E	750140	1
13	Screw Set	SMM10x30E	652600	2
14*	Bolt Anchor	PSROM10x80E	804101	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10E	652300	2
10*	Nut	NSM10E	652200	2
15	Drop-In Anchor	TRSOM10E	804801	1

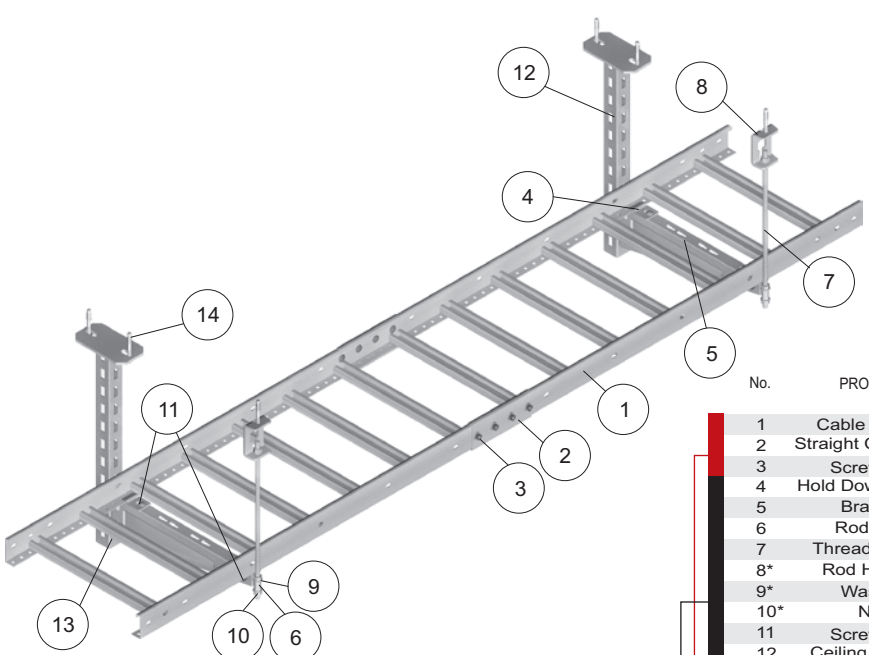
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





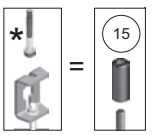
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOD400H60/3N	867040	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WWS/WWSO400	710540	1
6	Rod Grip	UPW/UPWO	750100	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	USV/USOV	750709	1
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
11	Screw Set	SGKM8x14	651241	4
12	Ceiling Bracket	WPCW/WPCO400	750640	1
13	Screw Set	SMM10x30	650843	2
14*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	2
10*	Nut	NSM10	650244	2
15	Drop-In Anchor	TRSOM10	804800	1

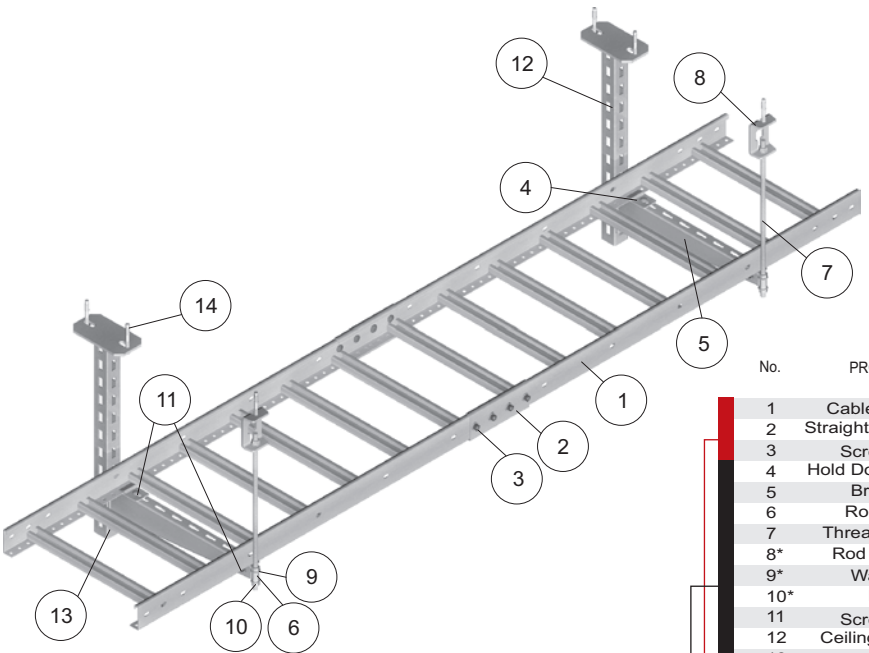
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,2 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WMC/WMCO400	711140	1
6	Rod Grip	UPW/UPWO	750100	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	USV/USOV	750709	1
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
11	Screw Set	SGKM8x14	651241	4
12	Ceiling Bracket	WPCW/WPCO400	750640	1
13	Screw Set	SMM10x30	650843	2
14*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	2
10*	Nut	NSM10	650244	2
15	Drop-In Anchor	TRSOM10	804800	1

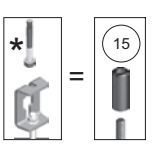
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

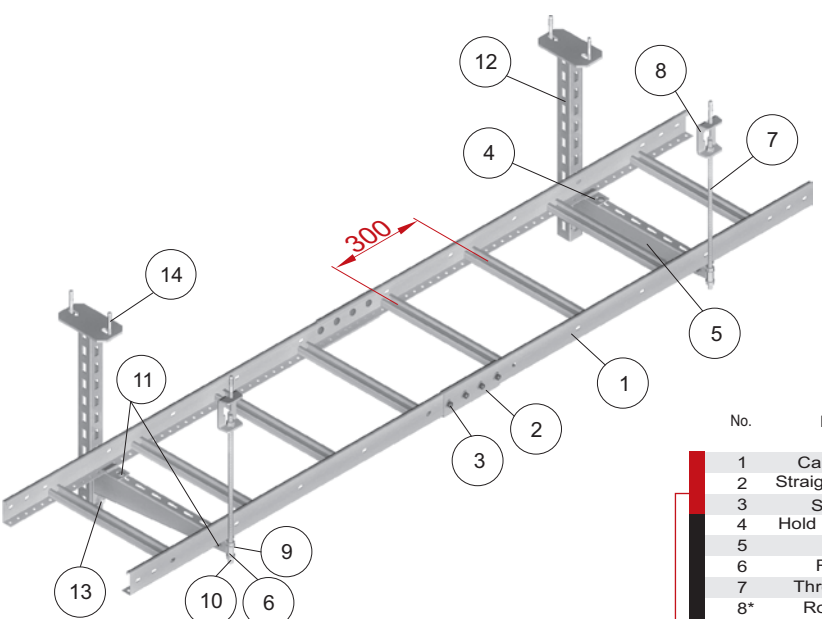
Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling.

Ladder Rungs spacing 300 mm

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV



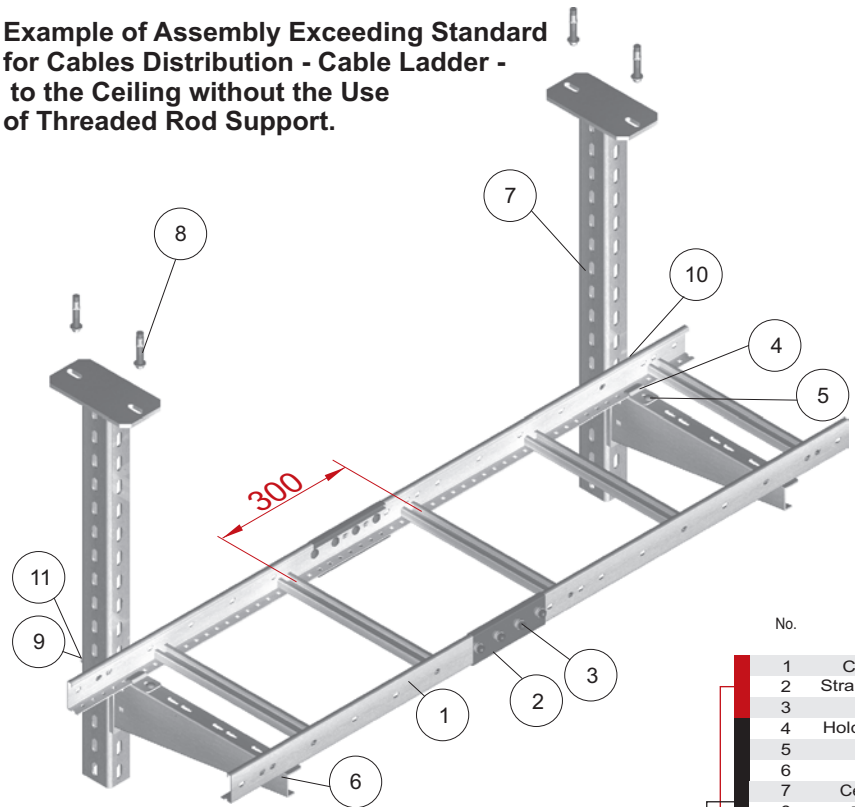


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DUP/DUOP400H60/3	466340	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WMC/WMCO400	711140	1
6	Rod Grip	UPW/UPWO	750100	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	USV/USOV	750709	1
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
11	Screw Set	SGKM8x14	651241	4
12	Ceiling Bracket	WPCW/WPCO400	750640	1
13	Screw Set	SMM10x30	650843	2
14*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	2
10*	Nut	NSM10	650244	2
15	Drop-In Anchor	TRSOM10	804800	1

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Ladder Rungs spacing 300 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling without the Use of Threaded Rod Support.

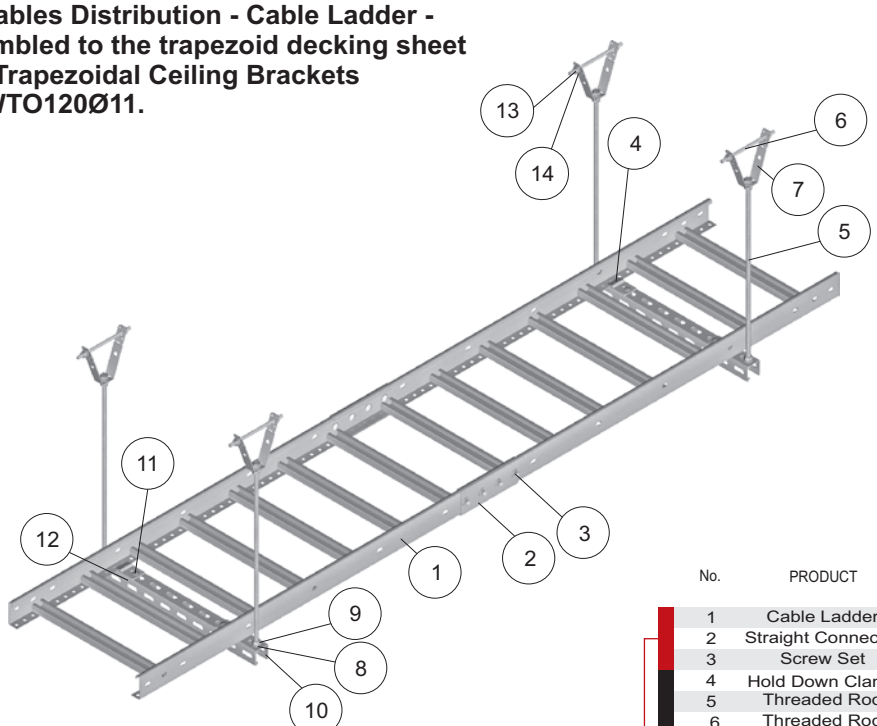


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DUP/DUOP400H60/3**	**466340**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Screw Set	**SGKM8x14**	**651241**	2
6	Bracket	**WWCT/WWCTO400**	**713040**	1
7	Ceiling Bracket	**WPCE/WPCEO800**	**721580**	1
8	Bolt Anchor	**PSROM10x80**	**804100**	2
9	Screw Set	**SMM10x120**	**651443**	1
10	Spacer	**BR70**	**700400**	1
11	Washer	**PP10**	**650544**	1

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Assembly without threaded rod
Rungs spacing 300mm
Ladder Material Thickness1,5 mmMax. Spacing of Supports 1,5 m
Max. Safe Load for the ladder 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - assembled to the trapezoid decking sheet with Trapezoidal Ceiling Brackets WT/WTO120Ø11.

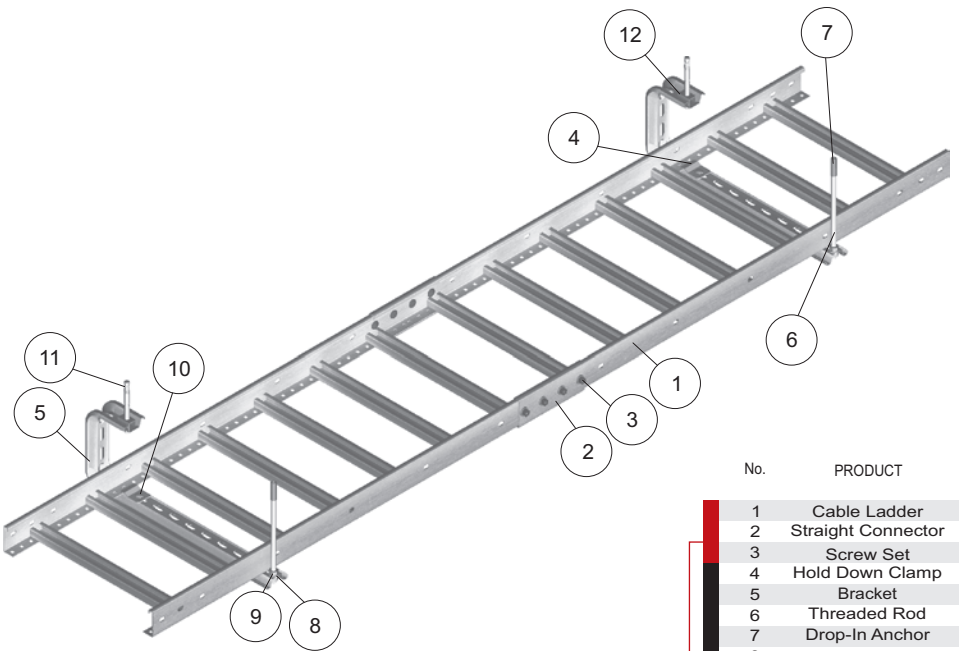


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Threaded Rod	**PGM10/1**	**651001**	2
6	Threaded Rod	**PGM8/1**	**650801**	2
7	Trap. Ceiling Bracket	**WT/WTO120Ø11**	**730712**	2
8	Washer	**PP10**	**650544**	8
9	Nut	**NSM10**	**650244**	8
10	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
11	Screw Set	**SGKM8x14**	**651241**	2
12	Washer	**PW8**	**650944**	2
13	Nut	**NSM8**	**650144**	4
14	Washer	**PP8**	**650144**	4

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m.
Max. Safe Load for the ladder 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling.



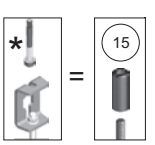
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WFC/WFCO400	720340	1
6	Threaded Rod	PGM10/1	651001	1
7	Drop-In Anchor	TRSOM10	804800	1
8	Washer	PP10	650544	2
9	Nut	NSM10	650244	2
10	Screw Set	SGKM8x14	651241	2
11	Bolt Anchor	PSROM10x80	804100	1
12	Spacer	PD11	803100	1

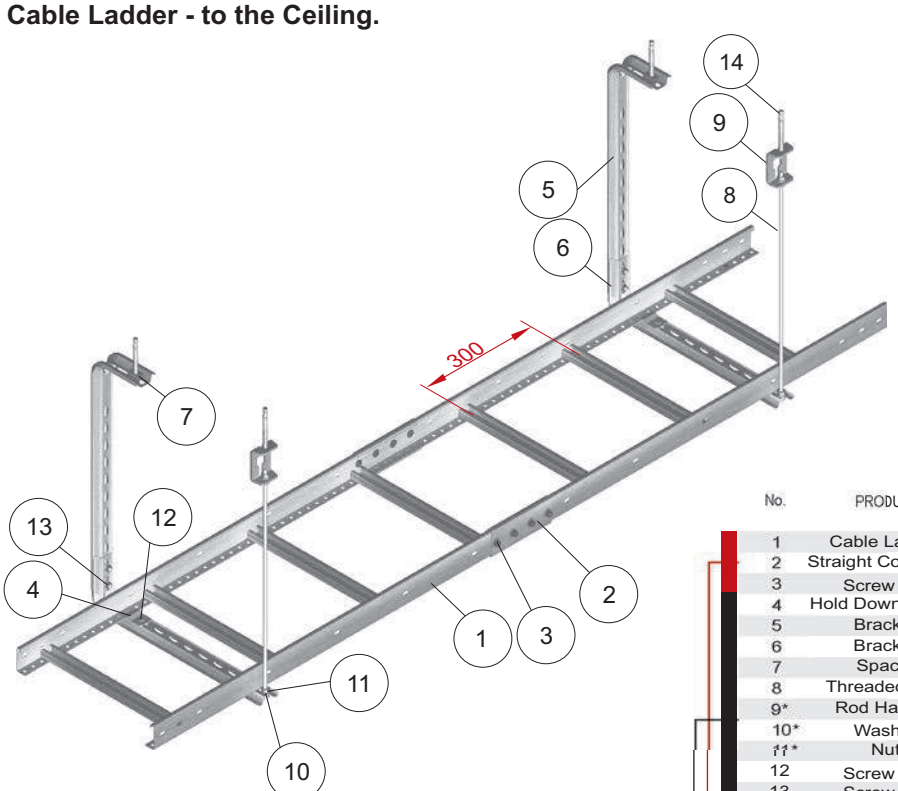
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





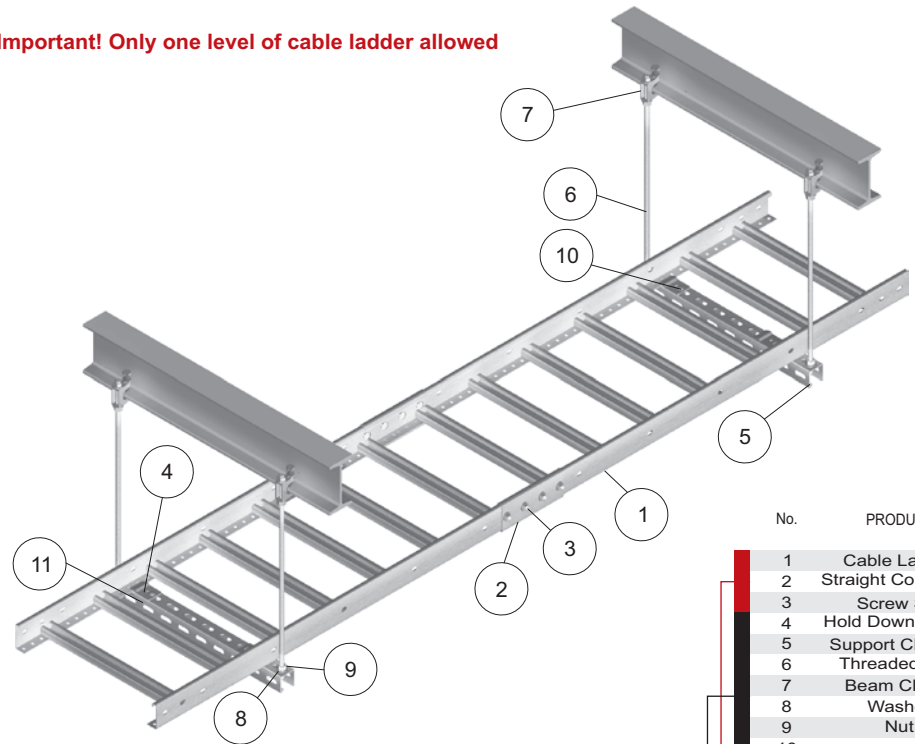
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DUP/DUOP400H60/3N	466340	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Hold Down Clamp	ZM/ZMO	400700	2
5	Bracket	WFL/WFLO500	720150	1
6	Bracket	WFL/WFLO400	720140	1
7	Spacer	PD11	803100	1
8	Threaded Rod	PGM10/1	651001	1
9*	Rod Hanger	USV/USOV	750709	1
10*	Washer	PP10	650544	4
11*	Nut	NSM10	650244	4
12	Screw Set	SGKM8x14	651241	2
13	Screw Set	SMM10x20	650743	2
14*	Bolt Anchor	PSROM10x80	804100	1+1
	OPTIONALLY TO COMPLETE THE SET *			
10*	Washer	PP10	650544	2
11*	Nut	NSM10	650244	2
15	Drop-In Anchor	TRSOM10	804800	1

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Rungs spacing 300mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - Attached to I-Beam by the Use of Beam Clamps ZK10

Important! Only one level of cable ladder allowed



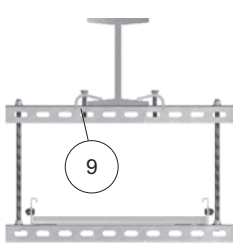
Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

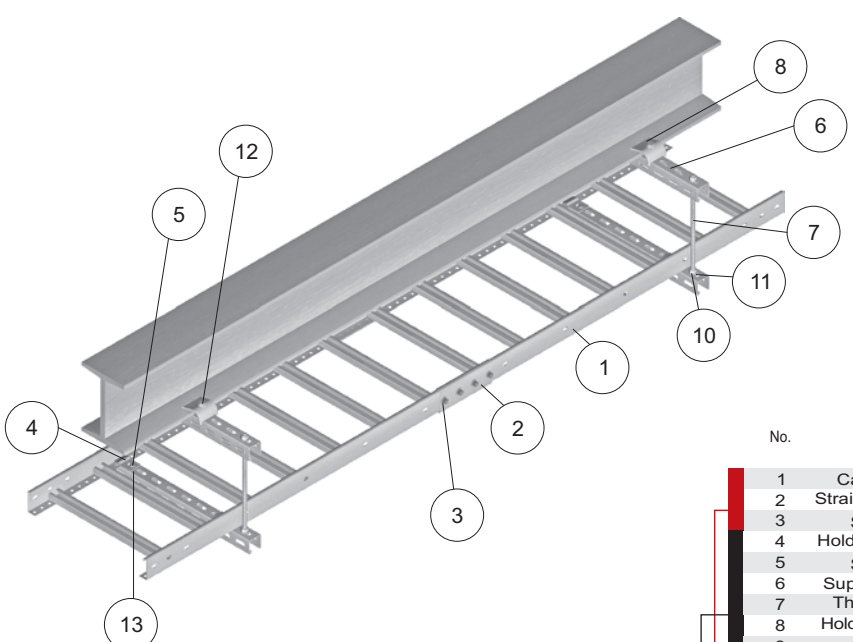
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
6	Threaded Rod	**PGM10/1**	**651001**	2
7	Beam Clamp	**ZK10**	**752210**	2
8	Washer	**PP10**	**650544**	8
9	Nut	**NSM10**	**650244**	8
10	Screw Set	**SGKM8x14**	**651241**	2
11	Washer	**PW8**	**650944**	2

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - Attached to I-Beam by the Use of Hold Down Clamp UDC

Important! Only one level of cable ladder allowed



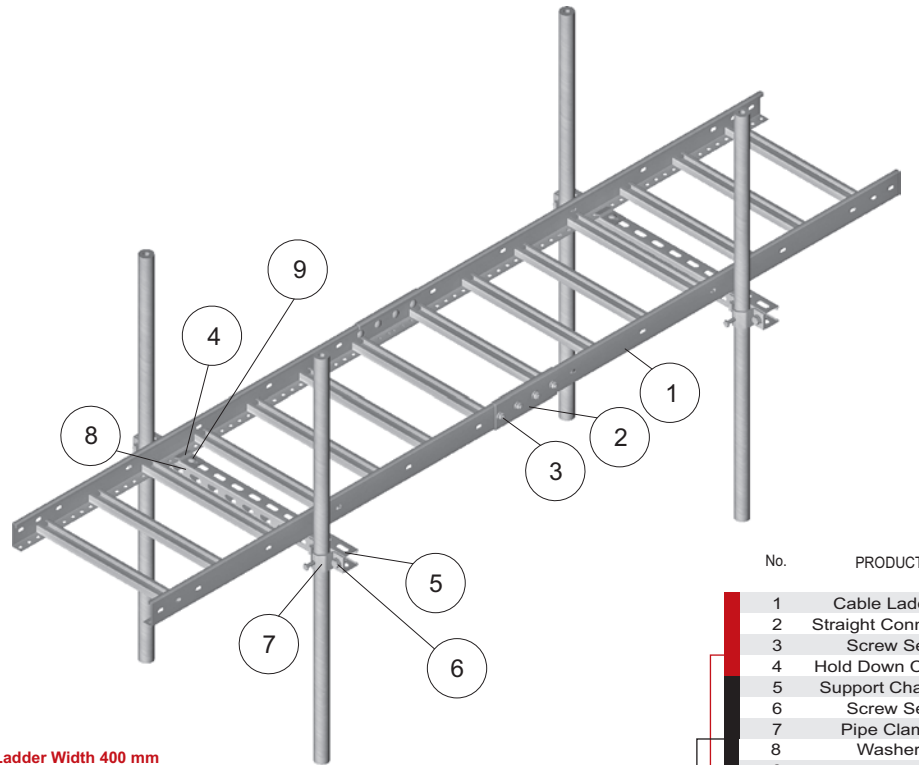


Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m.
Max. Safe Load for the ladder 10 kg/m

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Screw Set	**SGKM8x14**	**651241**	2
6	Support Channel	**CWP/CWOP40H40/05**	**611105**	2
7	Threaded Rod	**PGM10/1**	**651001**	2
8	Hold Down Clamp	**UDC**	**750806**	2
9	Washer	**PW10**	**651044**	2
10	Nut	**NSM10**	**650244**	8
11	Washer	**PP10**	**650544**	8
12	Screw Set	**SMM10x60**	**650943**	2
13	Washer	**PW8**	**650944**	2

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - assembled on pipes in raised floor installation.



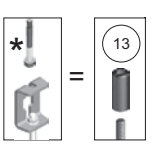
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
6	Screw Set	**SMM10x20**	**650743**	4
7	Pipe Clamp	**OBR35**	**753400**	2
8	Washer	**PW8**	**650944**	2
9	Screw Set	**SGKM8x14**	**651241**	2

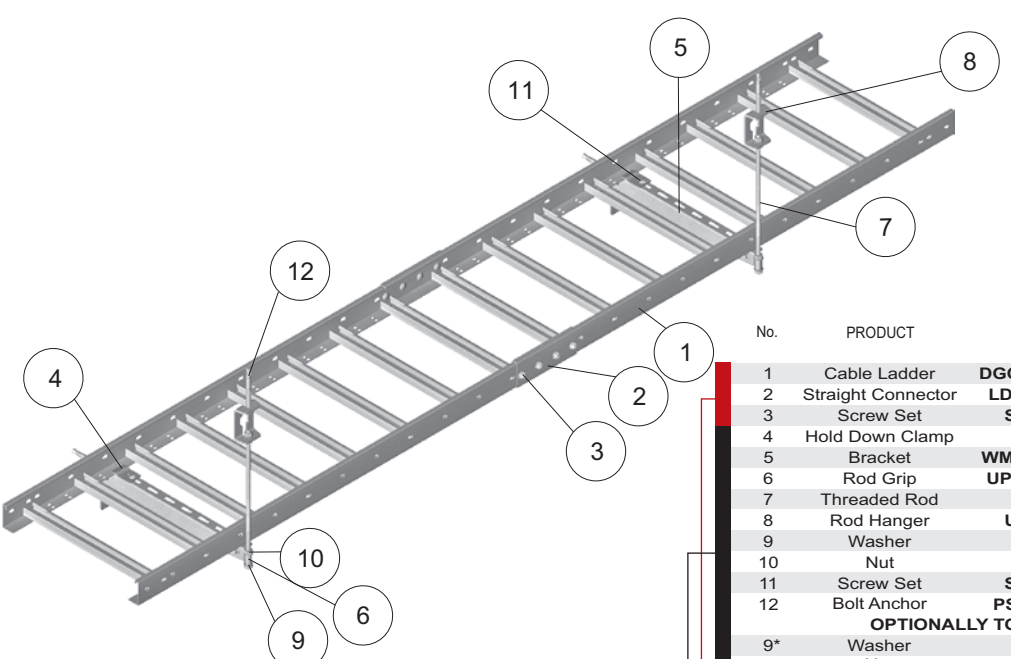
LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Wall and Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





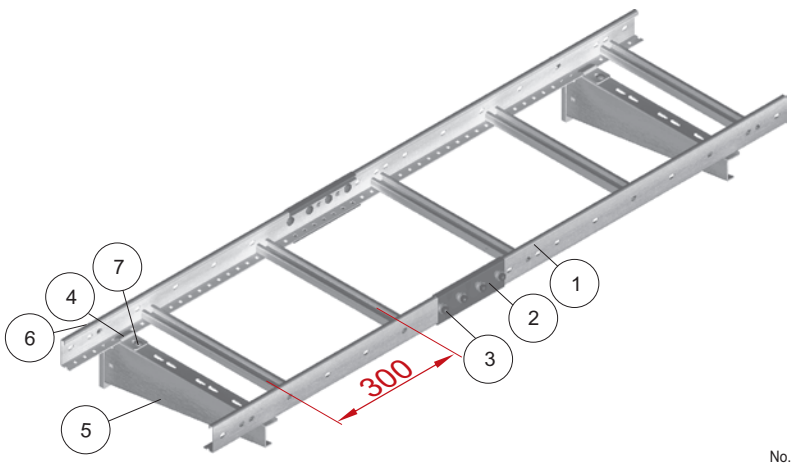
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
5	Bracket	**WMC/WMCO400**	**711140**	1
6	Rod Grip	**UPWK/UPWKO**	**752900**	1
7	Threaded Rod	**PGM10/1**	**651001**	1
8	Rod Hanger	**USV/USOV**	**750709**	1
9	Washer	**PP10**	**650544**	4
10	Nut	**NSM10**	**650244**	4
11	Screw Set	**SGKM8x14**	**651241**	4
12	Bolt Anchor	**PSROM10x80**	**804100**	3
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	**PP10**	**650544**	2
10*	Nut	**NSM10**	**650244**	2
13	Drop-In Anchor	**TRSOM10**	**804800**	1

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Wall without the Use of Threaded Rod Support.

Rungs spacing 300 mm

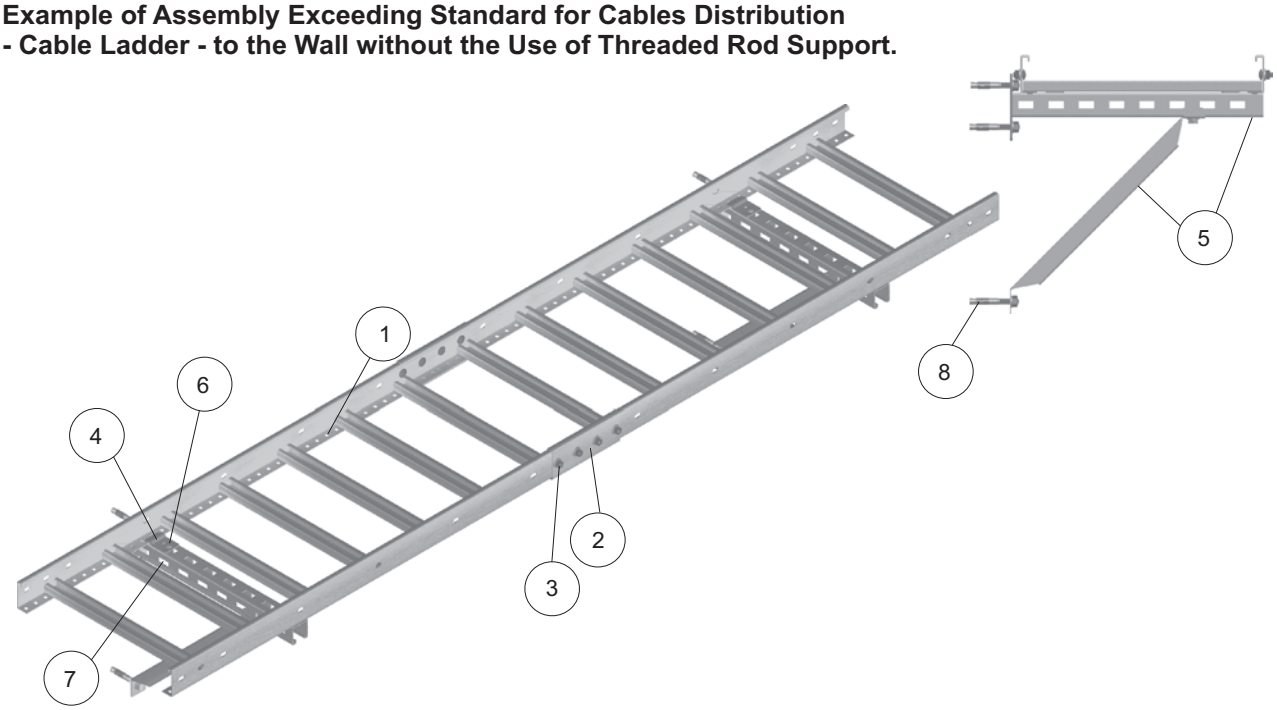


	No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
	1	Cable Ladder	**DUP/DUOP400H60/3N**	**466340**	2
	2	Straight Connector	**LDC/LDOCH60**	**461001**	2
	3	Screw Set	**SGKM8x14**	**651241**	8
	4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
	5	Bracket	**WWCT/WWCTO400**	**713040**	1
	6	Bolt Anchor	**PSROM10x80**	**804100**	1
	7	Screw Set	**SGKM8x14**	**651241**	2

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load for the ladder 20 kg/m
Assembly without threaded rod

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - to the Wall without the Use of Threaded Rod Support.

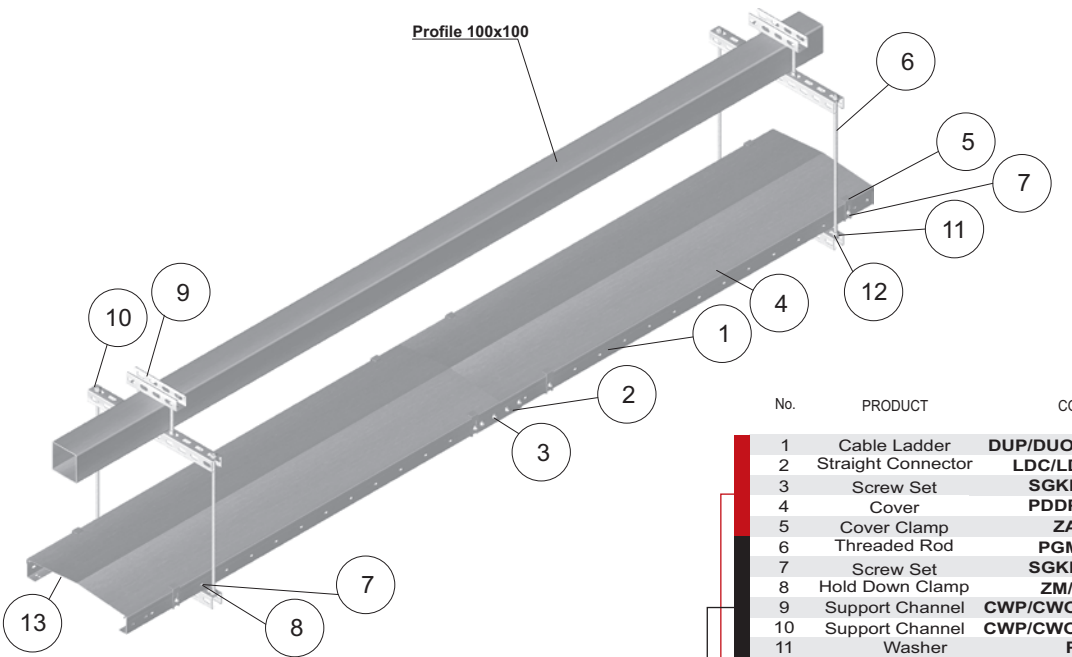


	No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
	1	Cable Ladder	**DGOP400H60/3N**	**863043**	2
	2	Straight Connector	**LDC/LDOCH60**	**461001**	2
	3	Screw Set	**SGKM8x14**	**651241**	8
	4	Hold Down Clamp	**ZM/ZMO**	**400700**	2
	5	Bracket, komplet	**WPTKO400**	**800940**	1
	6	Screw Set	**SGKM8x14**	**651241**	2
	7	Washer	**PW8**	**650944**	2
	8	Bolt Anchor	**PSROM10x80**	**804100**	2+1

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Max. Spacing of Supports 1,5 m
Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Safe Load 20 kg/m
Assembly without threaded rod

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder with Cover - to the Steel Profile 100x100

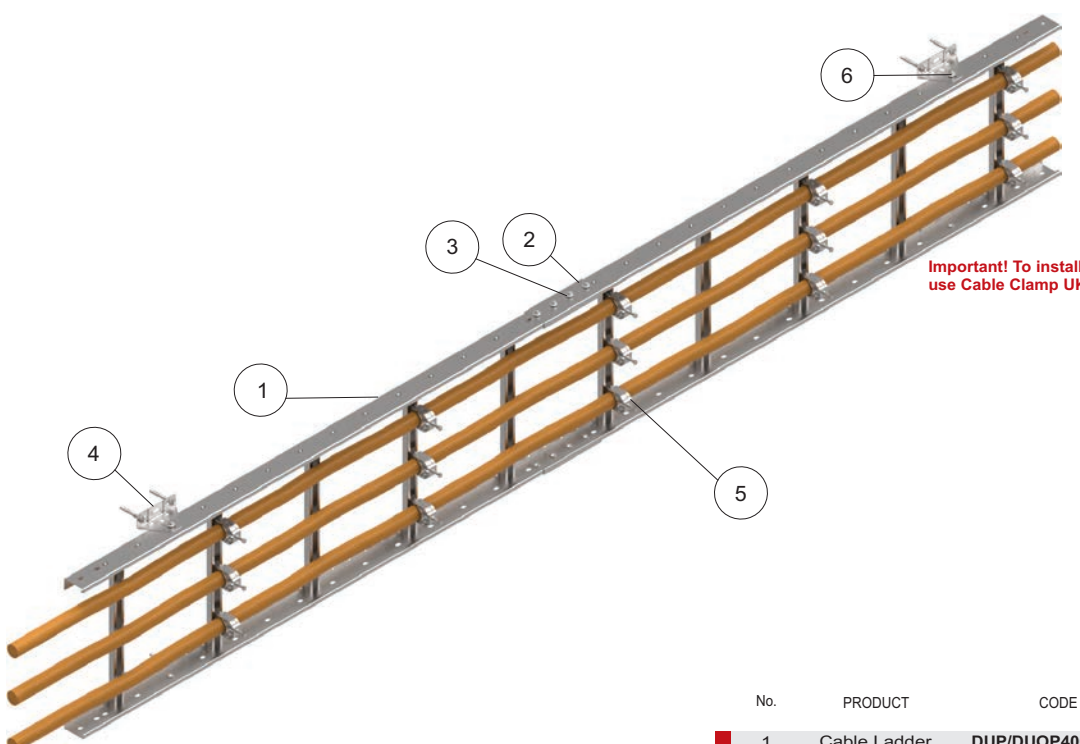


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DUP/DUOP400H60/3**	**466340**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Cover	**PDDP400/3**	**402540**	2
5	Cover Clamp	**ZAP2**	**140900**	8
6	Threaded Rod	**PGM10/1**	**651001**	2
7	Screw Set	**SGKM8x14**	**651241**	6
8	Hold Down Clamp	**ZM/ZMO**	**400700**	2
9	Support Channel	**CWP/CWOP40H40/02**	**611102**	1
10	Support Channel	**CWP/CWOP40H40/05**	**611105**	2
11	Washer	**PP10**	**650544**	16
12	Nut	**NSM10**	**650244**	16
13	Washer	**PW8**	**650944**	2

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladders in the Vertical Plane to the Wall.



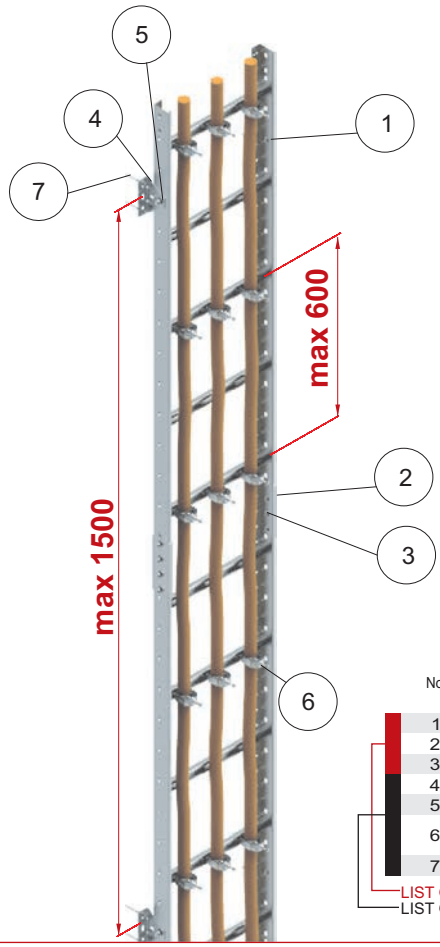
Important! To install cables on ladders use Cable Clamp UK1/UKO1... , and UK2/UKO2

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	**DUP/DUOP400H60/3N**	**466340**	2
2	Straight Connector	**LDC/LDOCH60**	**461001**	2
3	Screw Set	**SGKM8x14**	**651241**	8
4	Fastening Bracket	**UTM/UTMO**	**751700**	2
6	Cable Clamp	**UK1/UKO1**	**---**	Depends on the number of cables
5	Screw Set	**SGKM8x14**	**651241**	2

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Cable Ladder - in the Vertical Plane to the Wall.



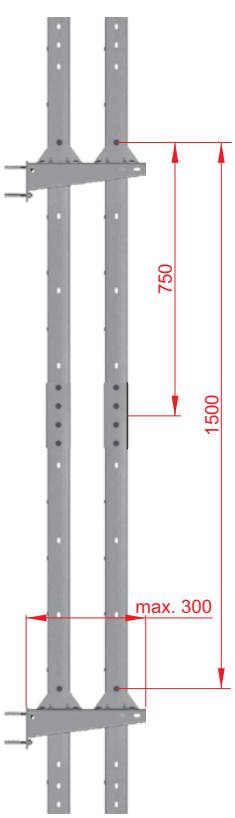
Mounting onto wall with the use of Bolt Anchor PSROM8x75. Max. spacing of Cable Clamps UK1/UKO1 and UK/UKO2 - 600 mm.

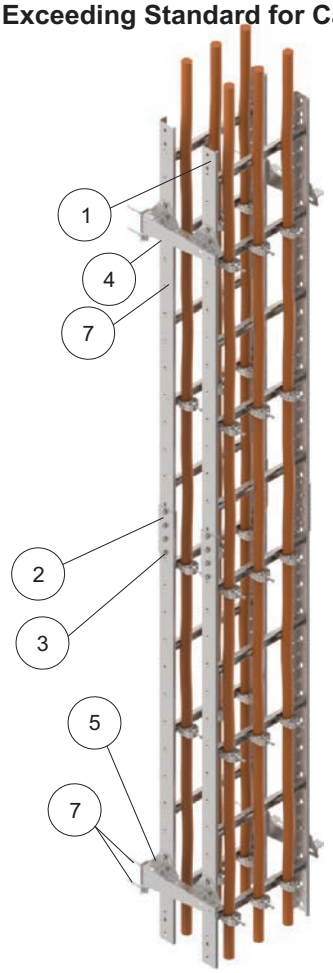
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	2
2	Straight Connector	LDC/LDOCH60	461001	2
3	Screw Set	SGKM8x14	651241	8
4	Fastening Bracket	UTM/UTMO	751700	2
5	Screw Set	SGKM8x14	651241	2
6	Cable Clamp	UK1/UKO1	---	Depends on the number of cables
7	Bolt Anchor	PSROM8x75	804000	4

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Ladders in the Vertical Plane to the Wall.





Important! To install cables on ladders use Cable Clamp UK1/UKO1...

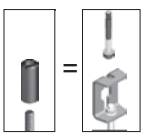
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Ladder	DGOP400H60/3N	863043	4
2	Straight Connector	LDC/LDOCH60	461001	4
3	Screw Set	SGKM8x14	651241	16
4	Bracket	WMC/WMCO300	711130	2
5	Fastening Bracket	UTM/UTMO	751700	4
6	Screw Set	SGKM8x14	651241	12
6	Cable Clamp	UK1/UKO1	---	Depends on the number of cables
7	Bolt Anchor	PSROM10x80	804100	4

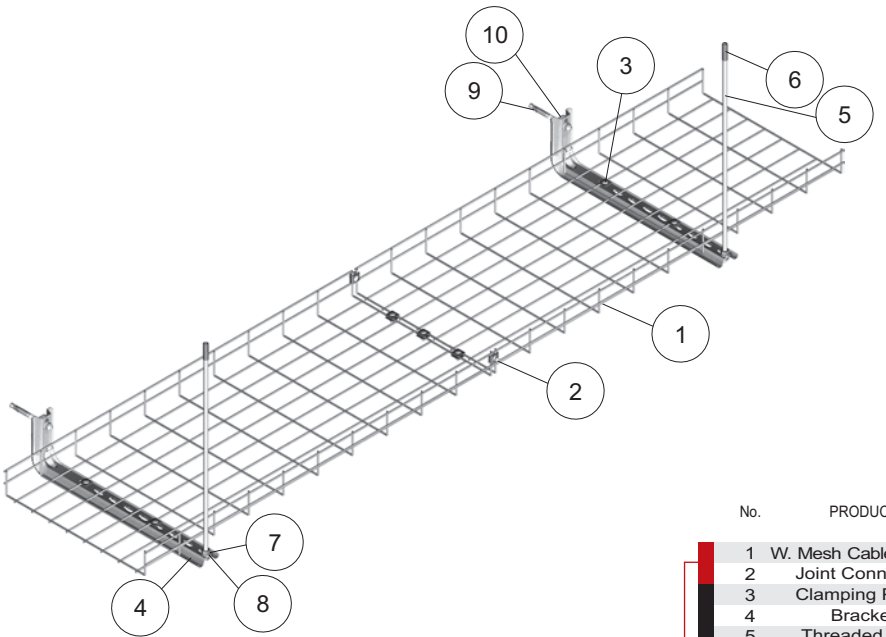
LIST OF ELEMENTS TO CONNECT 4 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Ladder Width 400 mm
Ladder Material Thickness1,5 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 Ladder

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Wall and Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





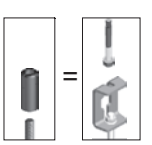
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Clamping Piece	**ZS/ZSO**	**901600**	2
4	Bracket	**WFL/WFLO400**	**720140**	1
5	Threaded Rod	**PGM10/1**	**651001**	1
6	Drop-In Anchor	**TRSOM10**	**804800**	1
7	Washer	**PP10**	**650544**	2
8	Nut	**NSM10**	**650244**	2
9	Bolt Anchor	**PSROM10x80**	**804100**	1
10	Spacer	**PD11**	**803100**	1

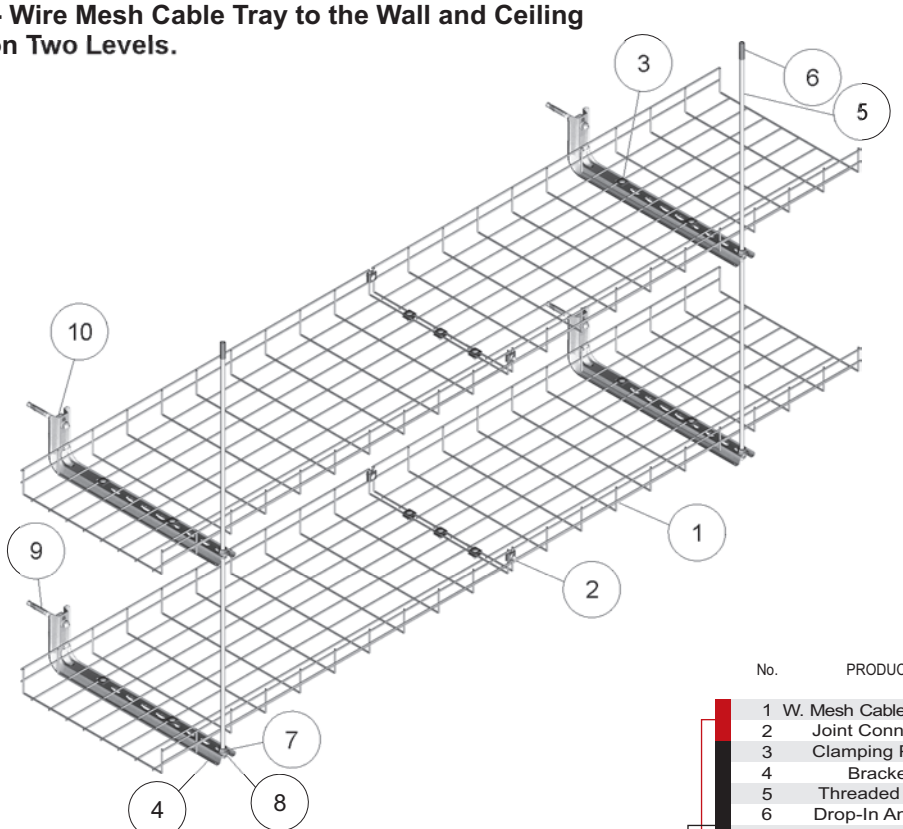
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Wall and Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





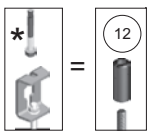
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	4
2	Joint Connector	**USSN/USSO**	**900201**	10
3	Clamping Piece	**ZS/ZSO**	**901600**	4
4	Bracket	**WFL/WFLO400**	**720140**	2
5	Threaded Rod	**PGM10/1**	**651001**	1
6	Drop-In Anchor	**TRSOM10**	**804800**	1
7	Washer	**PP10**	**650544**	4
8	Nut	**NSM10**	**650244**	4
9	Bolt Anchor	**PSROM10x80**	**804100**	2
10	Spacer	**PD11**	**803100**	2

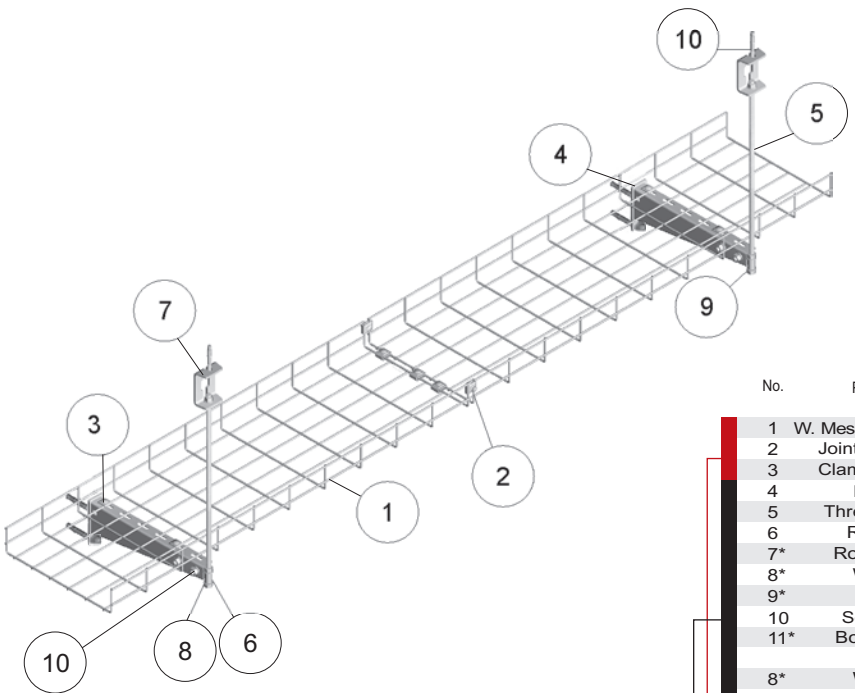
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Wall and Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





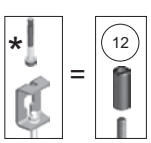
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Clamping Piece	**ZS/ZSO**	**901600**	2
4	Bracket	**WMC/WMCO400**	**711140**	1
5	Threaded Rod	**PGM10/1**	**651001**	1
6	Rod Grip	**UPW/UPWO**	**750100**	1
7*	Rod Hanger	**USV/USOV**	**750709**	1
8*	Washer	**PP10**	**650544**	4
9*	Nut	**NSM10**	**650244**	4
10	Screw Set	**SGKM8x14**	**651241**	2
11*	Bolt Anchor	**PSROM10x80**	**804100**	2+1
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	**PP10**	**650544**	2
9*	Nut	**NSM10**	**650244**	2
12	Drop-In Anchor	**TRSOM10**	**804800**	1

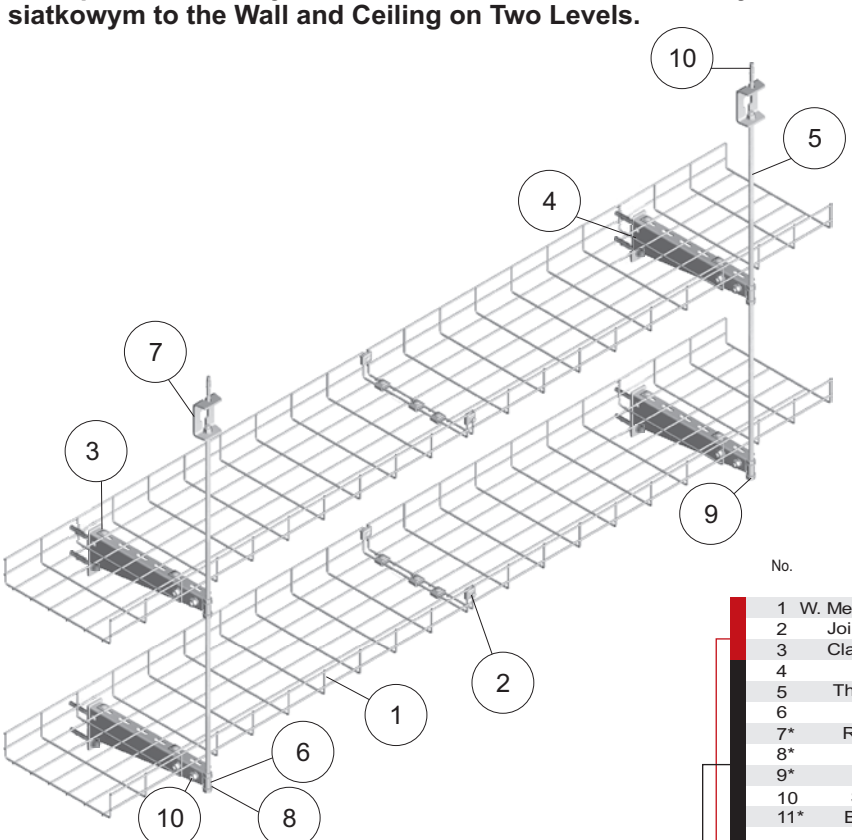
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Cable Tray siatkowym to the Wall and Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





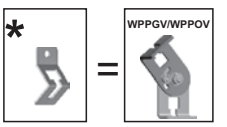
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	4
2	Joint Connector	**USSN/USSO**	**900201**	10
3	Clamping Piece	**ZS/ZSO**	**901600**	4
4	Bracket	**WMC/WMCO400**	**711140**	2
5	Threaded Rod	**PGM10/1**	**651001**	1
6	Rod Grip	**UPW/UPWO**	**750100**	2
7*	Rod Hanger	**USV/USOV**	**750709**	1
8*	Washer	**PP10**	**650544**	6
9*	Nut	**NSM10**	**650244**	6
10	Screw Set	**SGKM8x14**	**651241**	4
11*	Bolt Anchor	**PSROM10x80**	**804100**	4+1
	OPTIONALLY TO COMPLETE THE SET *			
8*	Washer	**PP10**	**650544**	4
9*	Nut	**NSM10**	**650244**	4
12	Drop-In Anchor	**TRSOM10**	**804800**	1

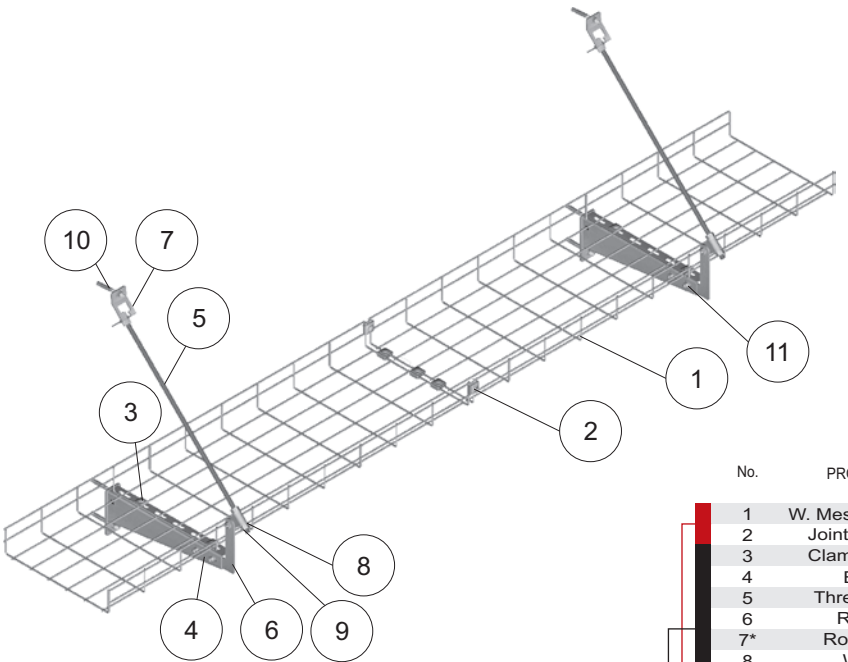
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Wall.

Possibility to mount the threaded rod to the wall use Articulated Rod Hanger WPPGV/WPPOV and Anchor Bolt PSROM10



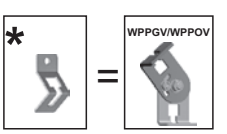


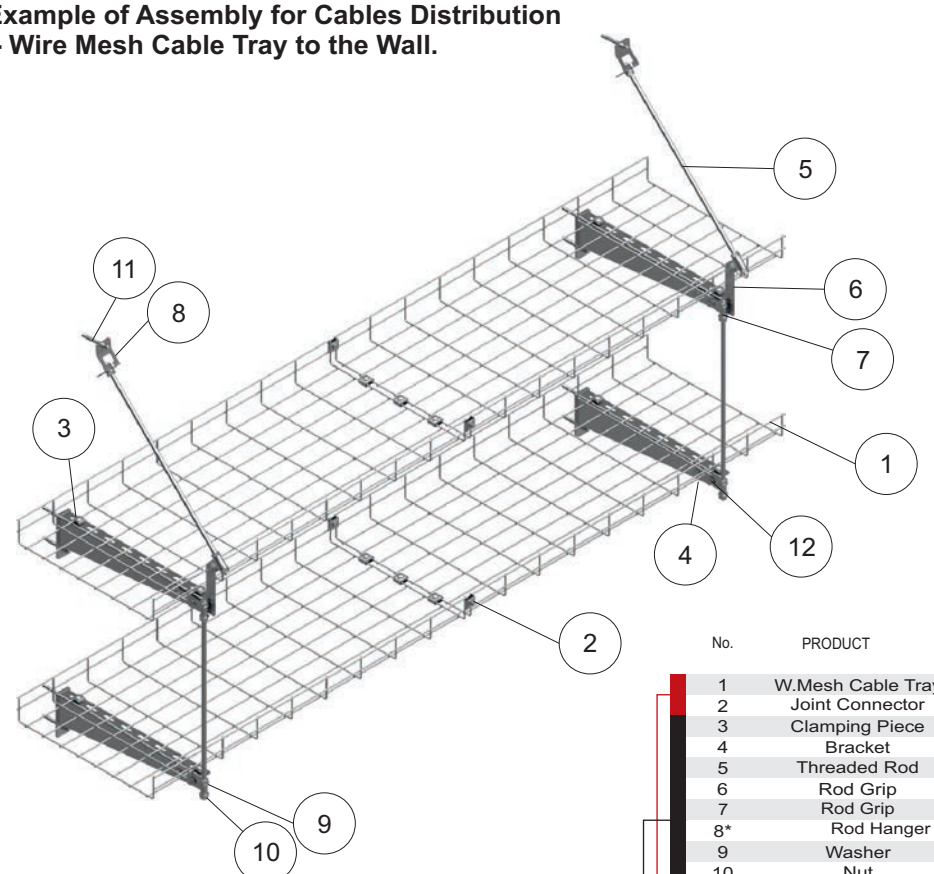
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Clamping Piece	**ZS/ZSO**	**901600**	2
4	Bracket	**WMC/WMCO400**	**711140**	1
5	Threaded Rod	**PGM10/1**	**651001**	1
6	Rod Grip	**UPWK/UPWKO**	**752900**	1
7*	Rod Hanger	**WKPO**	**750809**	1
8	Washer	**PP10**	**650544**	4
9	Nut	**NSM10**	**650244**	4
10	Bolt Anchor	**PSROM10x80**	**804100**	3
11	Screw Set	**SGKM8x14**	**651241**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Wall.



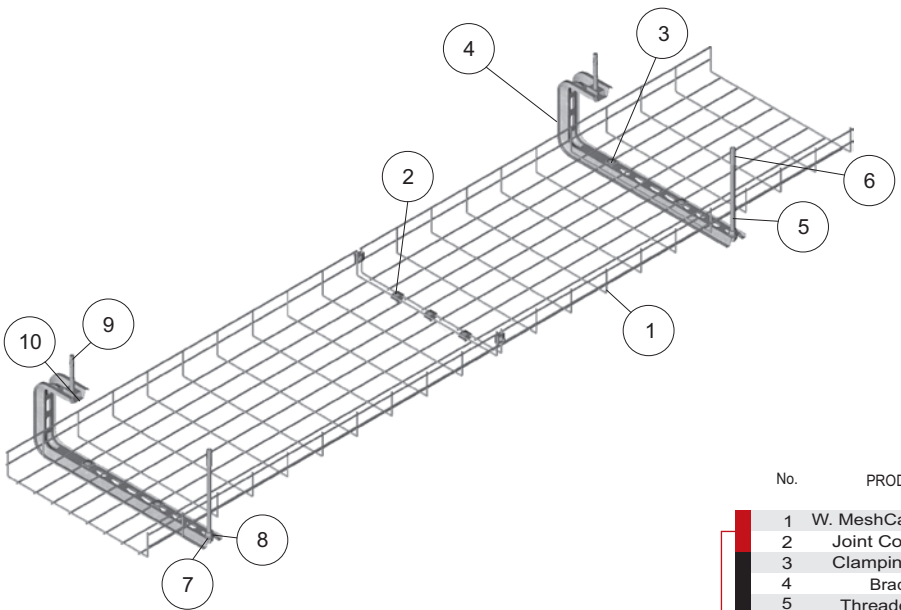


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W.Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	4
2	Joint Connector	**USSN/USSO**	**900201**	10
3	Clamping Piece	**ZS/ZSO**	**901600**	4
4	Bracket	**WMC/WMCO400**	**711140**	2
5	Threaded Rod	**PGM10/1**	**651001**	2
6	Rod Grip	**UPWK/UPWKO**	**752900**	1
7	Rod Grip	**UPW/UPWO**	**750100**	2
8*	Rod Hanger	**WKPO**	**750809**	1
9	Washer	**PP10**	**650544**	8
10	Nut	**NSM10**	**650244**	8
11	Bolt Anchor	**PSROM10x80**	**804100**	3
12	Screw Set	**SGKM8x14**	**651241**	4

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Ceiling.

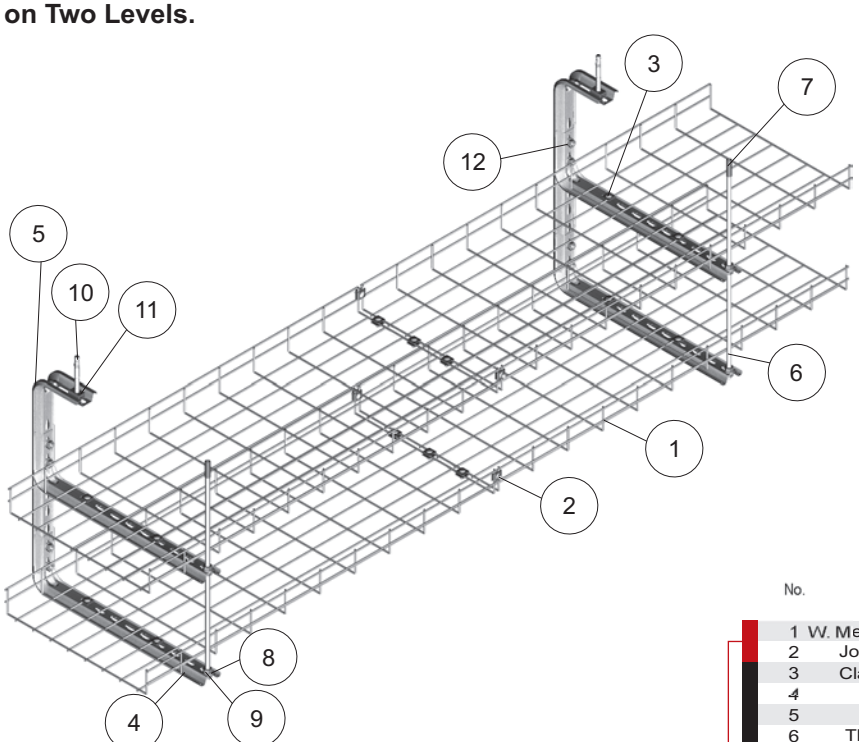


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. MeshCable Tray	**KDS/KDSO400H60/3**	**970140**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Clamping Piece	**ZS/ZSO**	**901600**	2
4	Bracket	**WFC/WFCO400**	**720340**	1
5	Threaded Rod	**PGM10/1**	**651001**	1
6	Drop-In Anchor	**TRSOM10**	**804800**	1
7	Washer	**PP10**	**650544**	2
8	Nut	**NSM10**	**650244**	2
9	Bolt Anchor	**PSROM10x80**	**804100**	1
10	Spacer	**PD11**	**803100**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Maximum support spacing 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Ceiling on Two Levels.



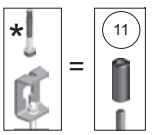
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	4
2	Joint Connector	**USSN/USSO**	**900201**	10
3	Clamping Piece	**ZS/ZSO**	**901600**	4
4	Bracket	**WFL/WFLO400**	**720140**	2
5	Bracket	**WFL/WFLO500**	**720150**	1
6	Threaded Rod	**PGM10/1**	**651001**	1
7	Drop-In Anchor	**TRSOM10**	**804800**	1
8	Washer	**PP10**	**650544**	4
9	Nut	**NSM10**	**650244**	4
10	Bolt Anchor	**PSROM10x80**	**804100**	1
11	Spacer	**PD11**	**803100**	1
12	Screw Set	**SMM10x20**	**650743**	4

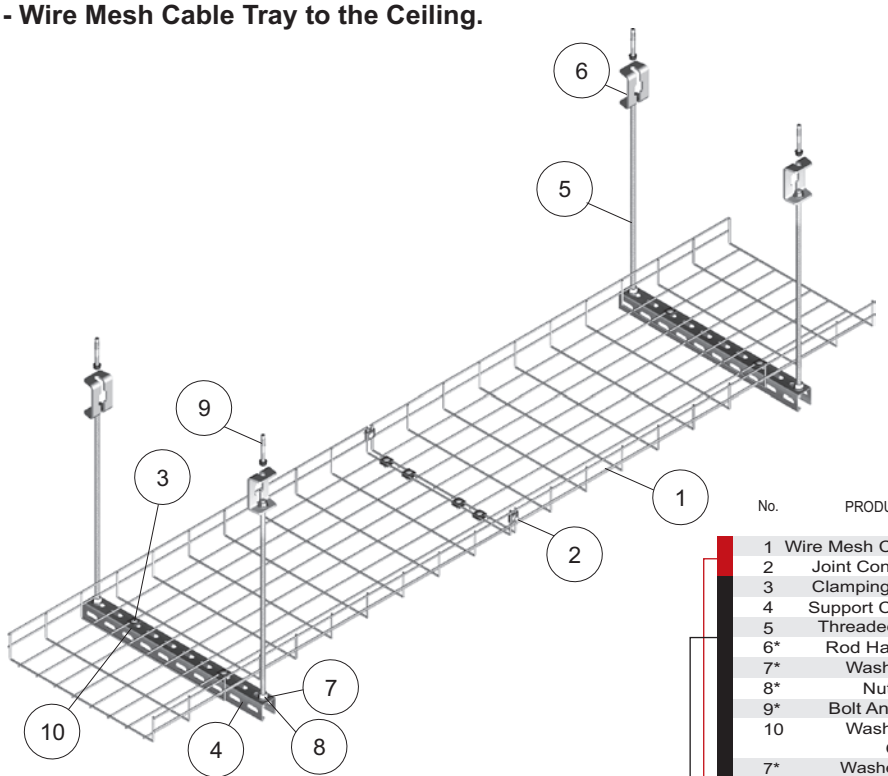
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





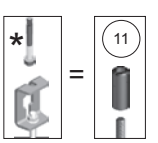
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO600H60/3**	**970160**	2
2	Joint Connector	**USSN/USSO**	**900201**	6
3	Clamping Piece	**ZS/ZSO**	**901600**	2
4	Support Channel	**CWP/CWOP40H40/07**	**804107**	1
5	Threaded Rod	**PGM10/1**	**651001**	2
6*	Rod Hanger	**USV/USOV**	**750709**	2
7*	Washer	**PP10**	**650544**	8
8*	Nut	**NSM10**	**650244**	8
9*	Bolt Anchor	**PSROM10x80**	**804100**	2
10	Washer	**PW6**	**650844**	2
	OPTIONALLY TO COMPLETE THE SET *			
7*	Washer	**PP10**	**650544**	4
8*	Nut	**NSM10**	**650244**	4
11	Drop-In Anchor	**TRSOM10**	**804800**	2

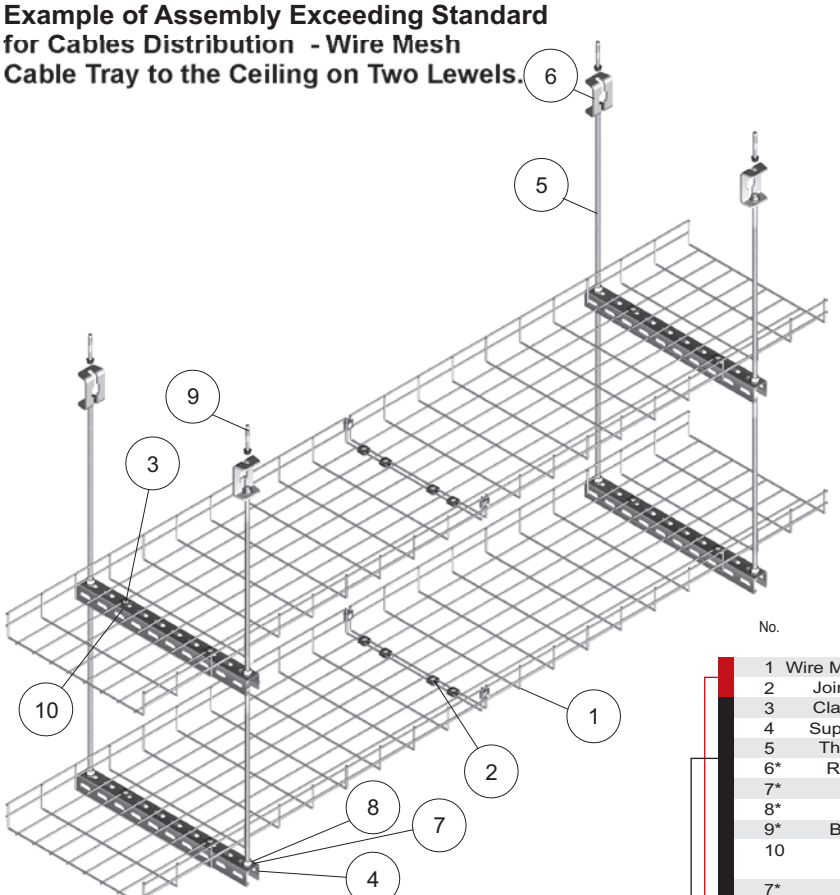
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 600 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray to the Ceiling on Two Lewels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





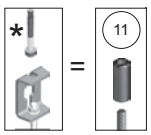
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO600H60/3**	**970160**	4
2	Joint Connector	**USSN/USSO**	**900201**	12
3	Clamping Piece	**ZS/ZSO**	**901600**	4
4	Support Channel	**CWP/CWOP40H40/07**	**804107**	2
5	Threaded Rod	**PGM10/1**	**651001**	2
6*	Rod Hanger	**USV/USOV**	**750709**	2
7*	Washer	**PP10**	**650544**	12
8*	Nut	**NSM10**	**650244**	12
9*	Bolt Anchor	**PSROM10x80**	**804100**	2
10	Washer	**PW6**	**650844**	4
	OPTIONALLY TO COMPLETE THE SET *			
7*	Washer	**PP10**	**650544**	8
8*	Nut	**NSM10**	**650244**	8
11	Drop-In Anchor	**TRSOM10**	**804800**	2

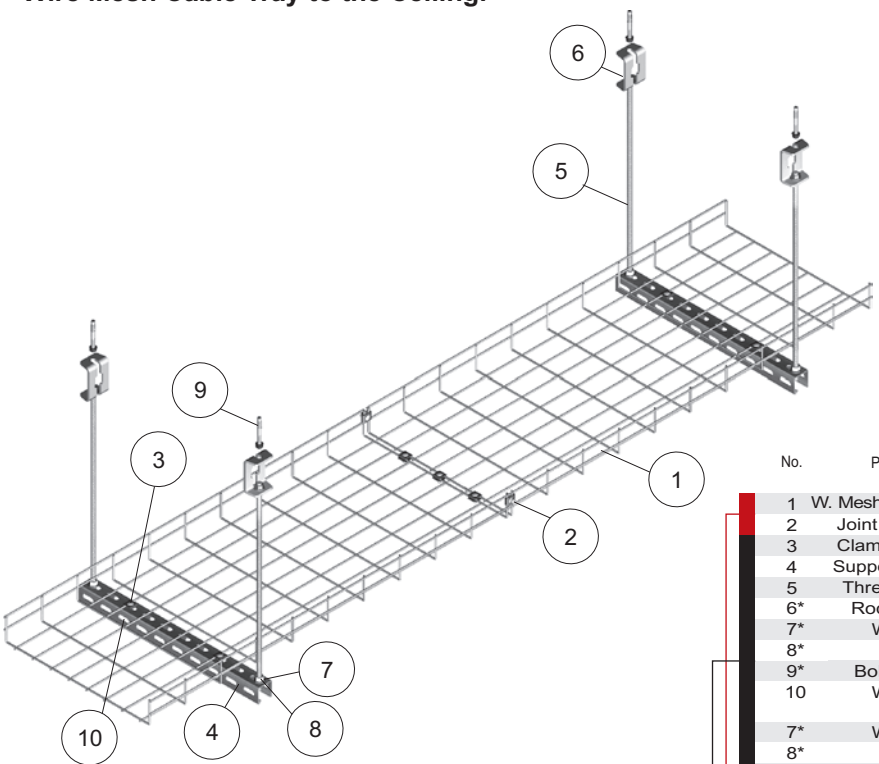
LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 600 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m na jeden poziom.

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





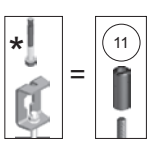
Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

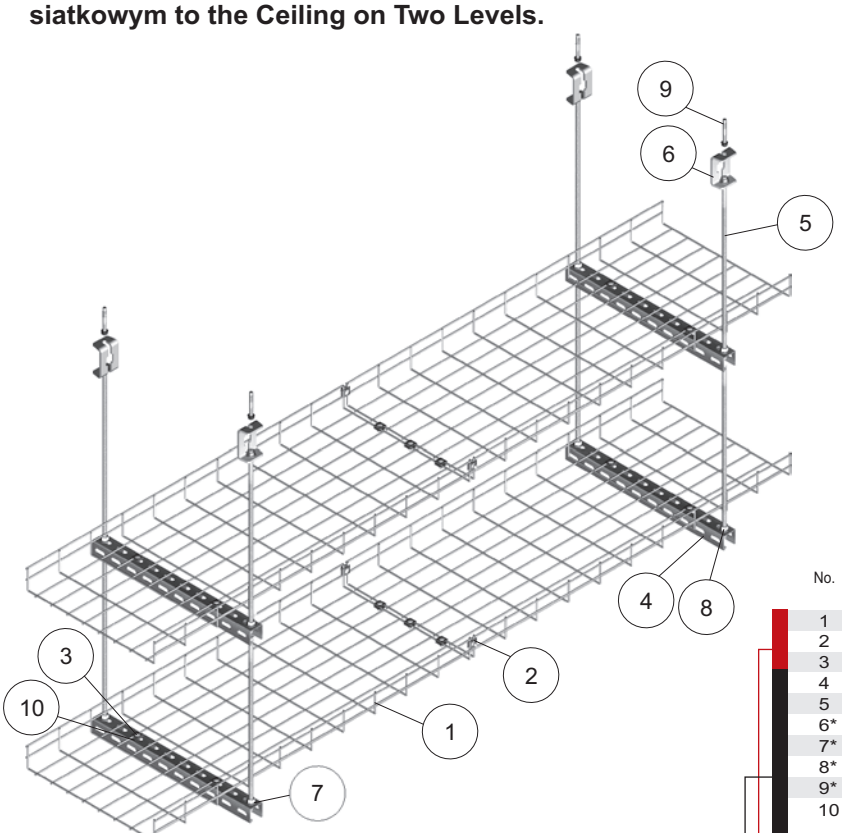
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Clamping Piece	**ZS/ZSO**	**901600**	2
4	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
5	Threaded Rod	**PGM8/1**	**650801**	2
6*	Rod Hanger	**USV/USOV**	**750709**	2
7*	Washer	**PW8**	**650944**	8
8*	Nut	**NSM8**	**650144**	8
9*	Bolt Anchor	**PSROM10x80**	**804100**	2
10	Washer	**PW6**	**650844**	2
	OPTIONALLY TO COMPLETE THE SET *			
7*	Washer	**PP8**	**650444**	4
8*	Nut	**NSM8**	**650144**	4
11	Drop-In Anchor	**TRSOM8**	**804700**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Cable Tray siatkowym to the Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





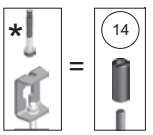
Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

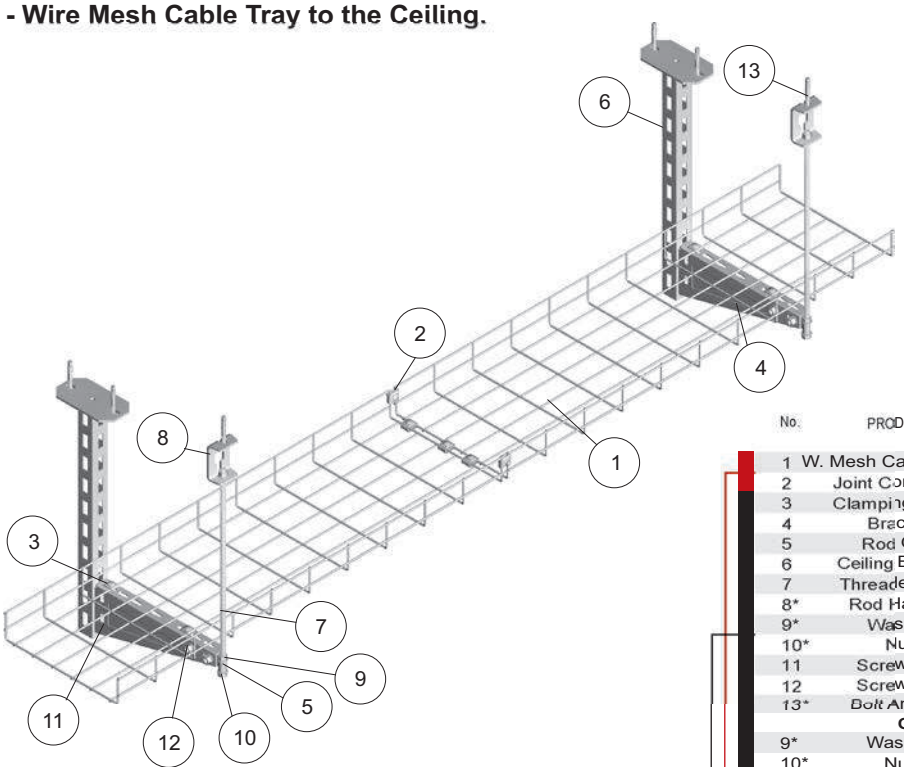
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	4
2	Joint Connector	**USSN/USSO**	**900201**	10
3	Clamping Piece	**ZS/ZSO**	**901600**	4
4	Support Channel	**CWP/CWOP40H40/05**	**611105**	2
5	Threaded Rod	**PGM10/1**	**651001**	2
6*	Rod Hanger	**USV/USOV**	**750709**	2
7*	Washer	**PP10**	**650544**	12
8*	Nut	**NSM10**	**650244**	12
9*	Bolt Anchor	**PSROM10x80**	**804100**	2
10	Washer	**PW6**	**650844**	4
	OPTIONALLY TO COMPLETE THE SET *			
7*	Washer	**PP10**	**650544**	8
8*	Nut	**NSM10**	**650244**	8
11	Drop-In Anchor	**TRSOM10**	**804800**	2

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Ceiling.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV





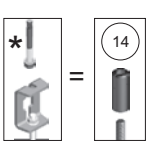
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	KDS/KDSO400H60/3	970140	2
2	Joint Connector	USSN/USSO	900201	5
3	Clamping Piece	ZS/ZSO	901600	2
4	Bracket	WWS/WWSO400	710540	1
5	Rod Grip	UPW/UPWO	750100	1
6	Ceiling Bracket	WPCW/WPCO400	750640	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	US12/USO12	750508	1
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
11	Screw Set	SMM10x30	650843	2
12	Screw Set	SGKM8x14	651241	2
13*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	2
10*	Nut	NSM10	650244	2
14	Drop-In Anchor	TRSOM10	804800	1

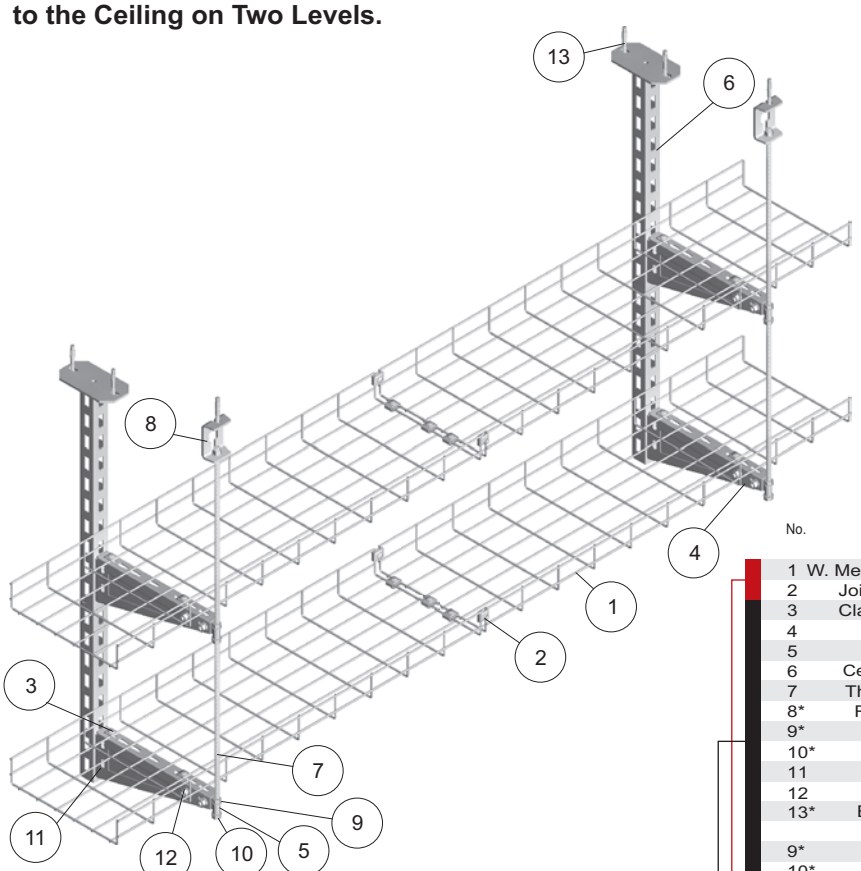
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray to the Ceiling on Two Levels.

Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV



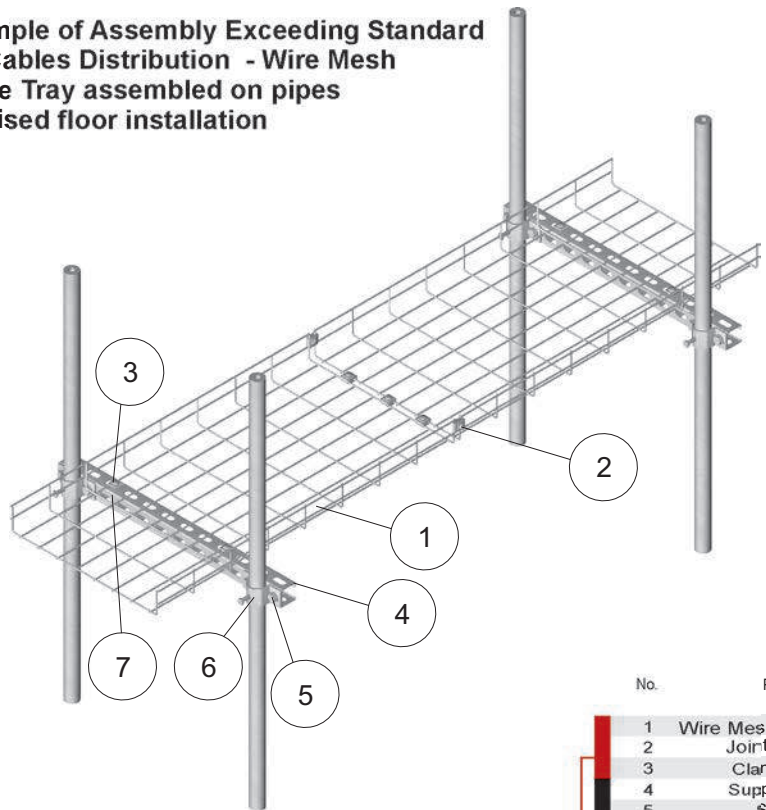


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	KDS/KDSO400H60/3	970140	4
2	Joint Connector	USSN/USSO	900201	10
3	Clamping Piece	ZS/ZSO	901600	4
4	Bracket	WWS/WWSO400	710540	2
5	Rod Grip	UPW/UPWO	750100	2
6	Ceiling Bracket	WPCW/WPCO400	750640	1
7	Threaded Rod	PGM10/1	651001	1
8*	Rod Hanger	US12/USO12	750508	1
9*	Washer	PP10	650544	6
10*	Nut	NSM10	650244	6
11	Screw Set	SMM10x30	650843	4
12	Screw Set	SGKM8x14	651241	4
13*	Bolt Anchor	PSROM10x80	804100	2+1
	OPTIONALLY TO COMPLETE THE SET *			
9*	Washer	PP10	650544	4
10*	Nut	NSM10	650244	4
14	Drop-In Anchor	TRSOM10	804800	1

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray assembled on pipes in raised floor installation



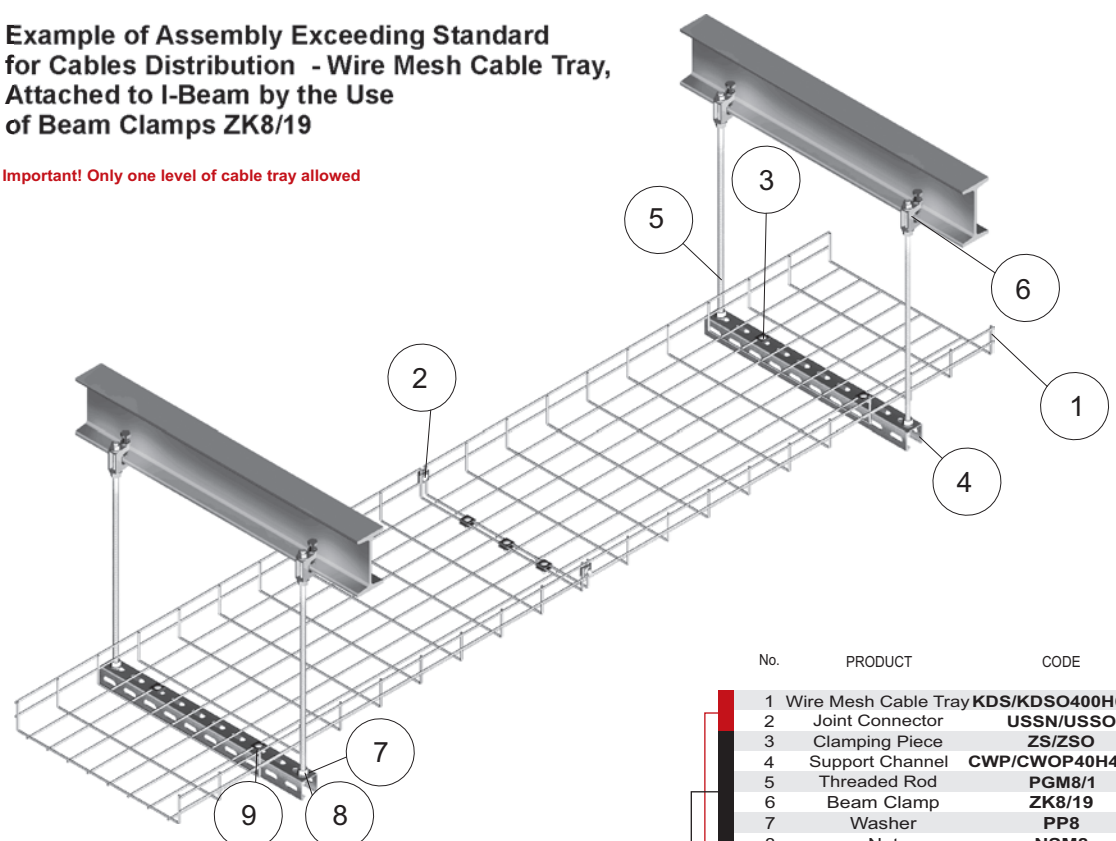
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	KDS/KDSO400H60/3	970140	2
2	Joint Connector	USSN/USSO	900201	5
3	Clamping Piece	ZS/ZSO	901600	2
4	Support Channel	CWP/CWOP40H40/07	804107	1
5	Screw Set	SMM10x20	650743	4
6	Pipe Clamp	OBR35	753400	2
7	Washer	PW6	650844	2

LIST OF ELEMENTS TO CONNECT 2 LADDERS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray, Attached to I-Beam by the Use of Beam Clamps ZK8/19

Important! Only one level of cable tray allowed



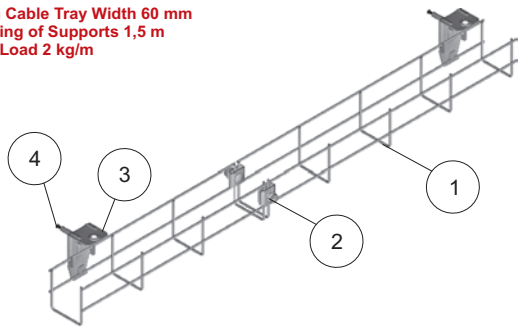
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	KDS/KDSO400H60/3	970140	2
2	Joint Connector	USSN/USSO	900201	5
3	Clamping Piece	ZS/ZSO	901600	2
4	Support Channel	CWP/CWOP40H40/05	611105	1
5	Threaded Rod	PGM8/1	650801	2
6	Beam Clamp	ZK8/19	752208	2
7	Washer	PP8	650444	8
8	Nut	NSM8	650144	8
9	Washer	PW6	650844	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,2 m
Max. Safe Load 10 kg/m

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray KDS/KDSO60H60 to the Wall

Wire Mesh Cable Tray Width 60 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 2 kg/m

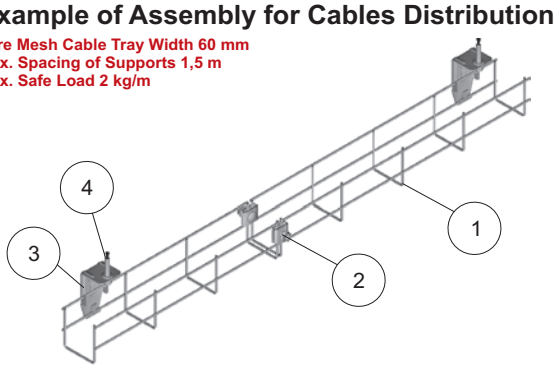


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO60H60/3**	**970106**	2
2	Joint Connector	**USSN/USSO**	**900201**	2
3	Side Holder	**WKS/WKSO60**	**971100**	1
4	Bolt Anchor	**SROM6x30**	**803900**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray KDS/KDSO60H60 to the Ceiling

Wire Mesh Cable Tray Width 60 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 2 kg/m

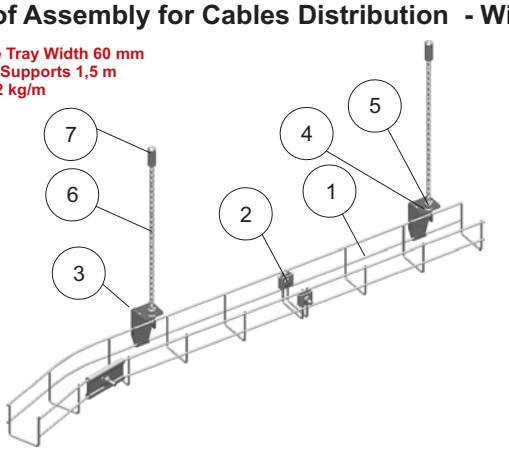


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO60H60/3**	**970106**	2
2	Joint Connector	**USSN/USSO**	**900201**	2
3	Side Holder	**WKS/WKSO60**	**971100**	1
4	Bolt Anchor	**SROM6x30**	**803900**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray KDS/KDSO60H60 to the Ceiling

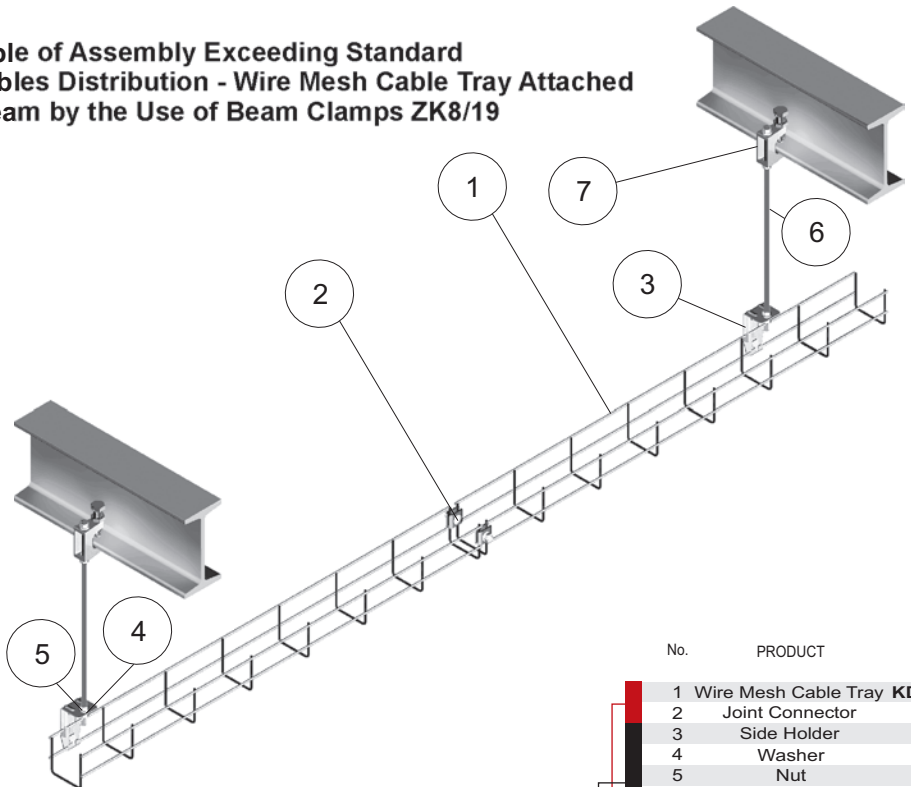
Wire Mesh Cable Tray Width 60 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 2 kg/m



No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	**KDS/KDSO60H60/3**	**970106**	2
2	Joint Connector	**USSN/USSO**	**900201**	2
3	Side Holder	**WKS/WKSO60**	**971100**	1
4	Washer	**PP6**	**650744**	2
5	Nut	**NSM6**	**650044**	2
6	Threaded Rod	**PGM6/1**	**650301**	1
7	Drop-In Anchor	**TRSOM6**	**804600**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray Attached to I-Beam by the Use of Beam Clamps ZK8/19



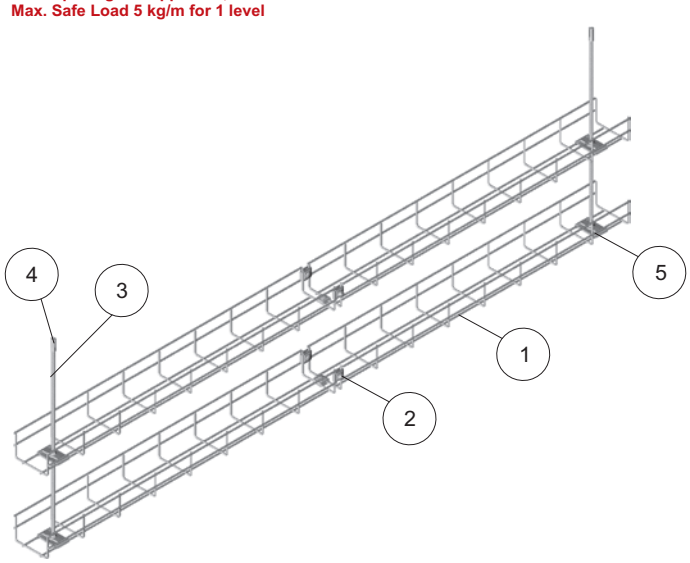
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO60H60/3**	**970106**	2
2	Joint Connector	**USSN/USSO**	**900201**	2
3	Side Holder	**WKS/WKSO60**	**971100**	1
4	Washer	**PP6**	**650744**	4
5	Nut	**NSM6**	**650044**	4
6	Threaded Rod	**PGM6/1**	**650301**	1
7	Beam Clamp	**ZK8/19**	**752208**	1

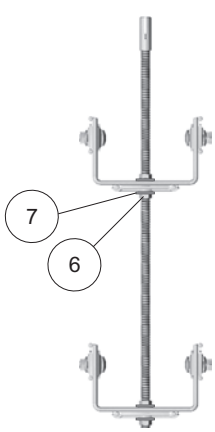
LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 60 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 2,0 kg/m.

Example of Assembly for Cables Distribution - Wire Mesh Cable Tray KDS/KDSO100H60 to the Ceiling

Wire Mesh Cable Trays Width 100 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 5 kg/m for 1 level

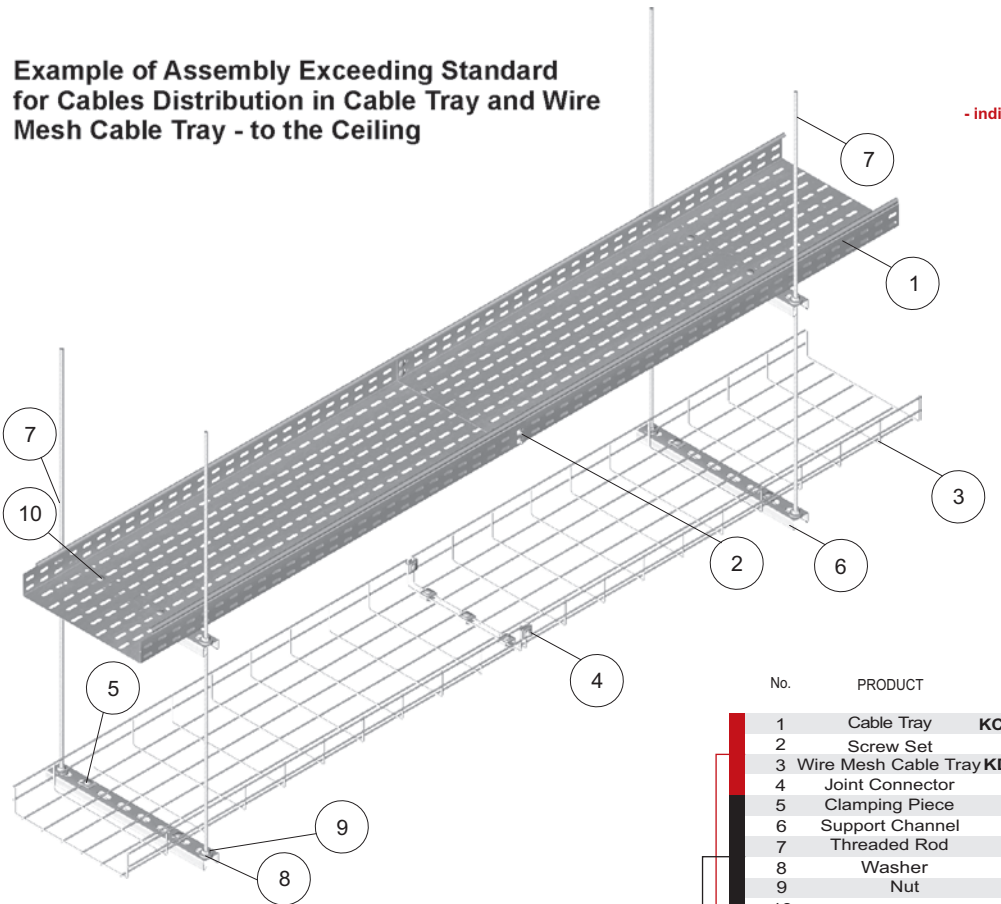




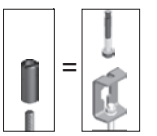
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO100H60/3**	**970110**	4
2	Joint Connector	**USSN/USSO**	**900201**	6
3	Threaded Rod	**PGM8/1**	**650801**	1
4	Drop-In Anchor	**TRSOM8**	**804700**	1
5	Center Hanger (set)	**ZSW**	**902200**	1
6	Nut	**NSM8**	**650144**	4
7	Washer	**PP8**	**650444**	4

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution in Cable Tray and Wire Mesh Cable Tray - to the Ceiling



Mounting threaded rod onto ceiling:
- indirectly through Rod Hanger USV/USOV with Bolt Anchor PSROM10
- directly with Drop-In Anchor TRSOM... without the use of Rod Hangers USV/USOV

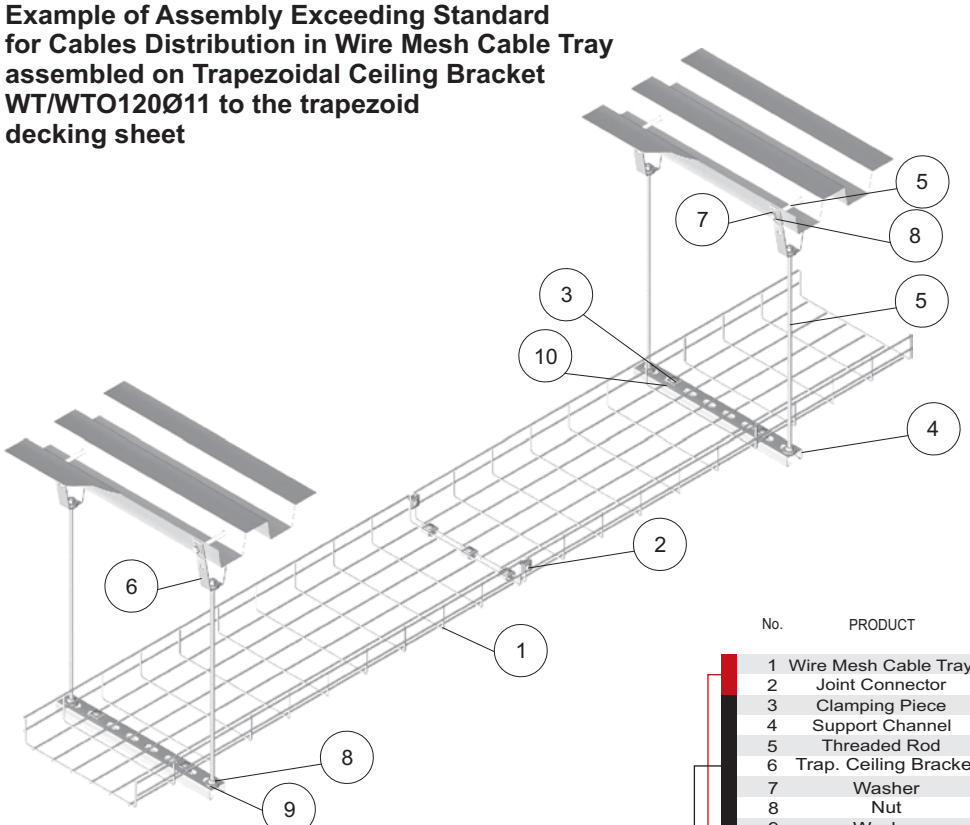


Cable Tray Width and Wire Mesh Tray 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m for 1 level

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Cable Tray	**KCL/KCOL300H60/3**	**160830**	2
2	Screw Set	**SGKM6x12**	**651141**	7
3	Wire Mesh Cable Tray	**KDS/KDSO300H60/3**	**970130**	2
4	Joint Connector	**USSN/USSO**	**900201**	5
5	Clamping Piece	**ZS/ZSO**	**901600**	2
6	Support Channel	**CWP40H22/04**	**611204**	2
7	Threaded Rod	**PGM8/1**	**650801**	2
8	Washer	**PW8**	**650944**	8
9	Nut	**NSM8**	**650144**	8
10	Screw Set	**SGKM6x12**	**651141**	2
11	Washer	**PW6**	**650844**	4

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution in Wire Mesh Cable Tray assembled on Trapezoidal Ceiling Bracket WT/WTO120Ø11 to the trapezoid decking sheet

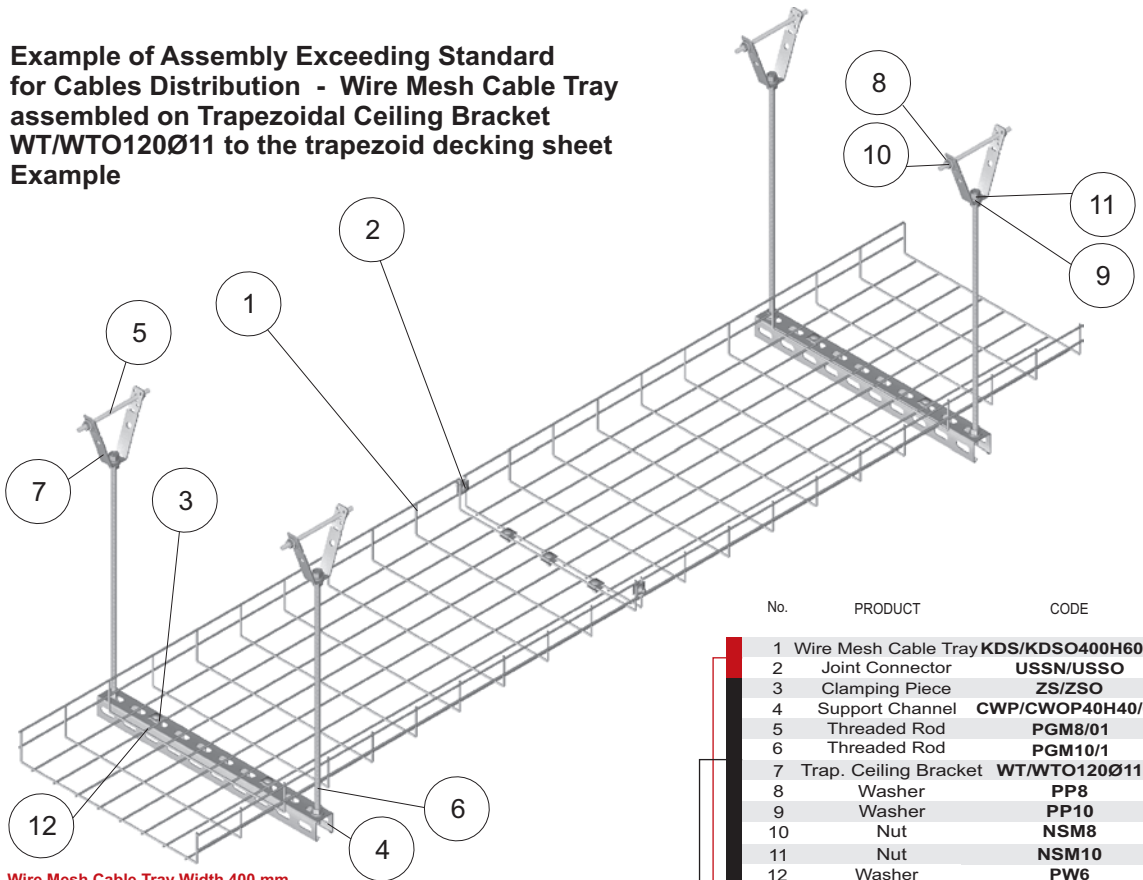


Wire Mesh Cable Tray Width 300 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO300H60/3**	**970130**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Clamping Piece	**ZS/ZSO**	**901600**	2
4	Support Channel	**CWP40H22/04**	**611204**	1
5	Threaded Rod	**PGM8/1**	**650801**	4
6	Trap. Ceiling Bracket	**WT/WTO120Ø11**	**730712**	2
7	Washer	**PP8**	**650444**	12
8	Nut	**NSM8**	**650144**	12
9	Washer	**PW8**	**650944**	8
10	Washer	**PW6**	**650844**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray assembled on Trapezoidal Ceiling Bracket WT/WTO120Ø11 to the trapezoid decking sheet Example

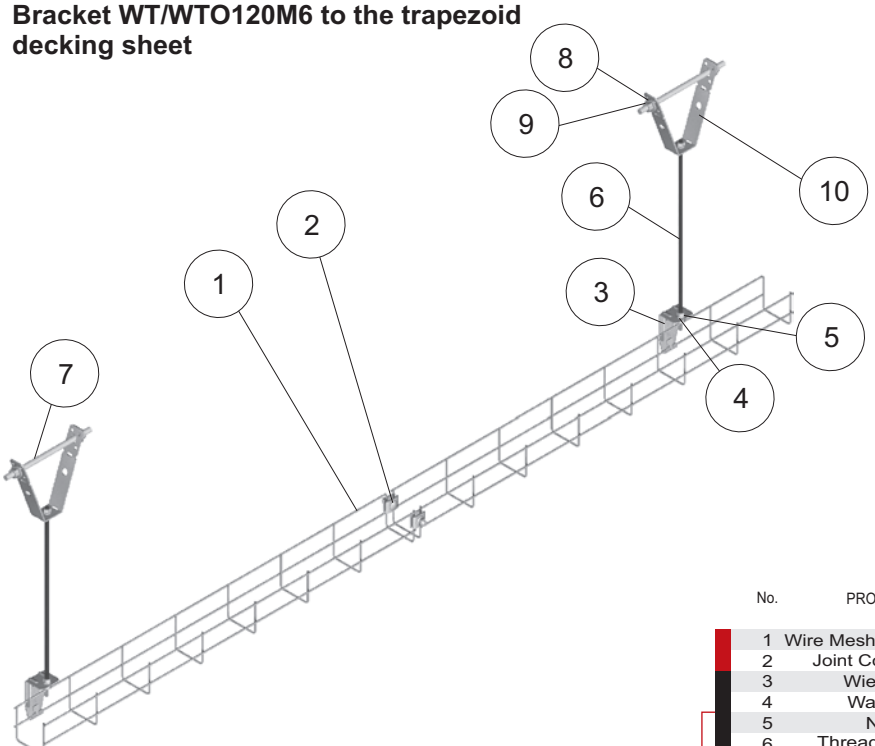


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Clamping Piece	**ZS/ZSO**	**901600**	2
4	Support Channel	**CWP/CWOP40H40/05**	**611105**	1
5	Threaded Rod	**PGM8/01**	**650501**	2
6	Threaded Rod	**PGM10/1**	**651001**	2
7	Trap. Ceiling Bracket	**WT/WTO120Ø11**	**730712**	2
8	Washer	**PP8**	**650444**	4
9	Washer	**PP10**	**650544**	8
10	Nut	**NSM8**	**650144**	4
11	Nut	**NSM10**	**650244**	8
12	Washer	**PW6**	**650844**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray assembled on Trapezoidal Ceiling Bracket WT/WTO120M6 to the trapezoid decking sheet



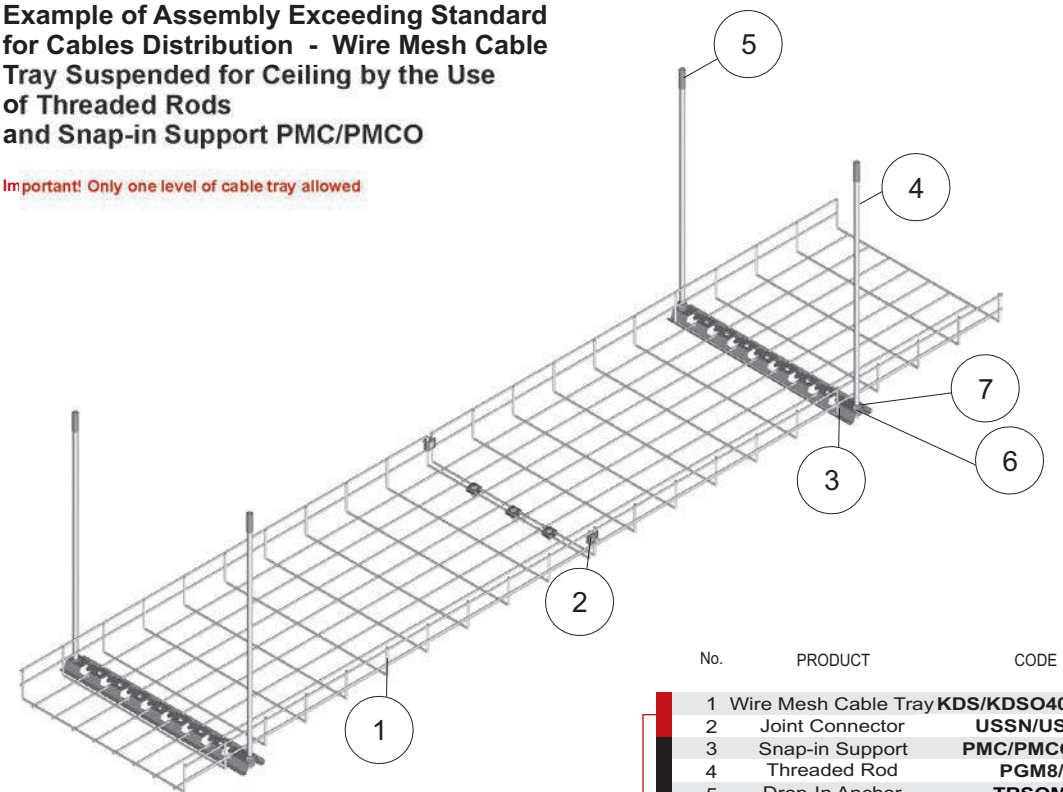
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO60H60/3**	**970106**	2
2	Joint Connector	**USSN/USSO**	**900201**	2
3	Wieszak	**WKS/WKSO60**	**971100**	1
4	Washer	**PP6**	**650744**	3
5	Nut	**NSM6**	**650044**	3
6	Threaded Rod	**PGM6/1**	**650301**	1
7	Threaded Rod	**PGM8/01**	**650501**	1
8	Washer	**PP8**	**650444**	2
9	Nut	**NSM8**	**650144**	2
10	Trap. Ceiling Bracket	**WT/WTO120M6**	**730512**	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Wire Mesh Cable Tray Width 60 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 2,0 kg/m.

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray Suspended for Ceiling by the Use of Threaded Rods and Snap-in Support PMC/PMCO

Important! Only one level of cable tray allowed

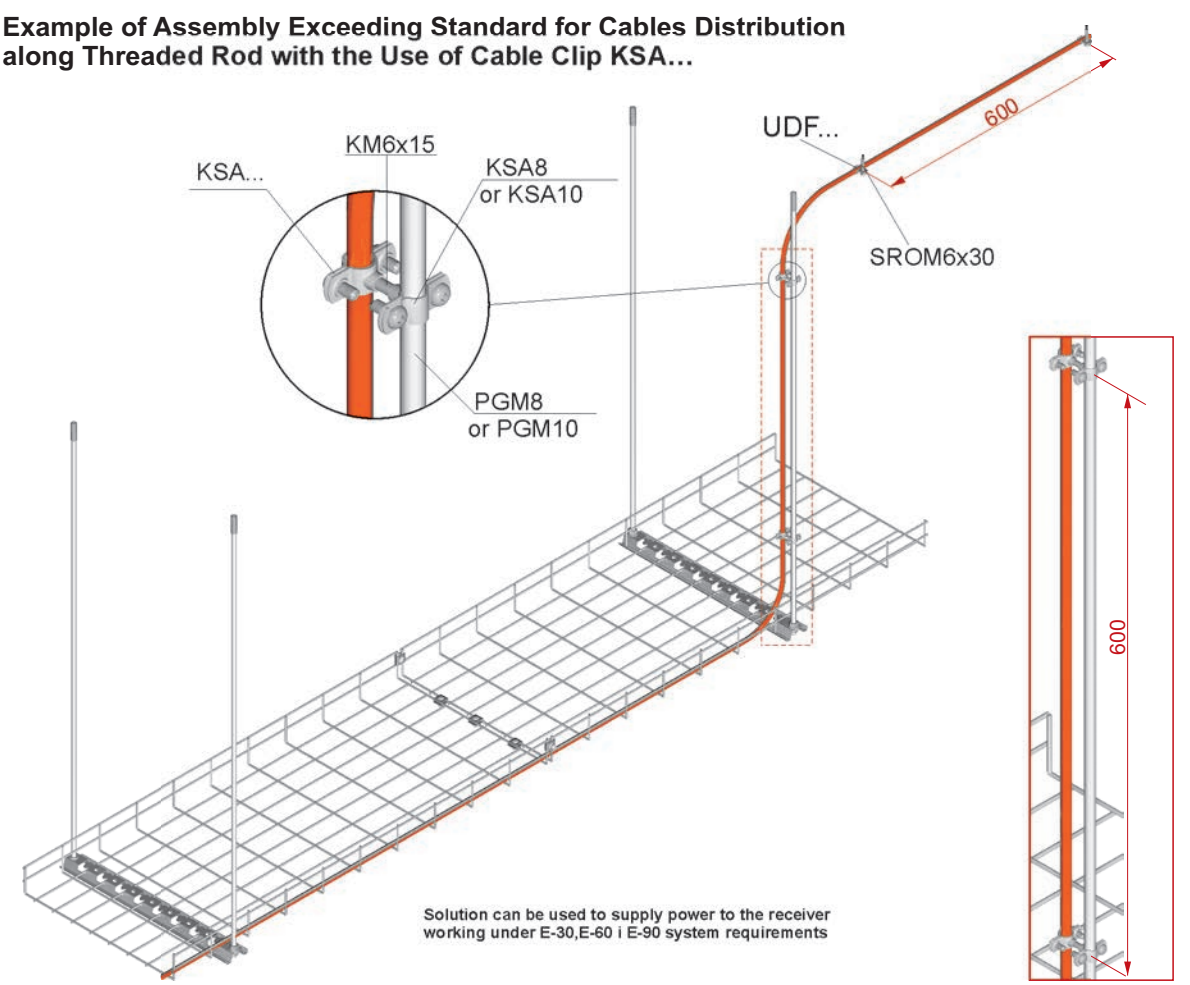


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Snap-in Support	**PMC/PMCO400**	**900940**	1
4	Threaded Rod	**PGM8/1**	**650801**	2
5	Drop-In Anchor	**TRSOM8**	**804700**	2
6	Washer	**PP8**	**650444**	4
7	Nut	**NSM8**	**650144**	4

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

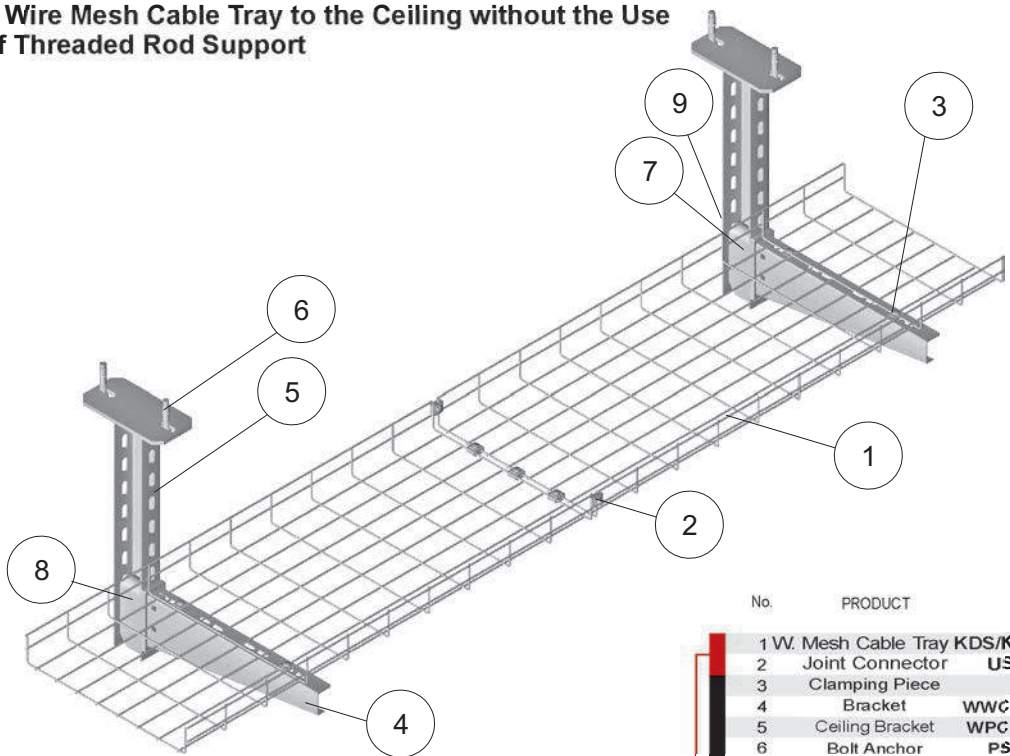
Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Example of Assembly Exceeding Standard for Cables Distribution along Threaded Rod with the Use of Cable Clip KSA...



Solution can be used to supply power to the receiver working under E-30,E-60 i E-90 system requirements

Example of Assembly Exceeding Standard for Cables Distribution - Wire Mesh Cable Tray to the Ceiling without the Use of Threaded Rod Support

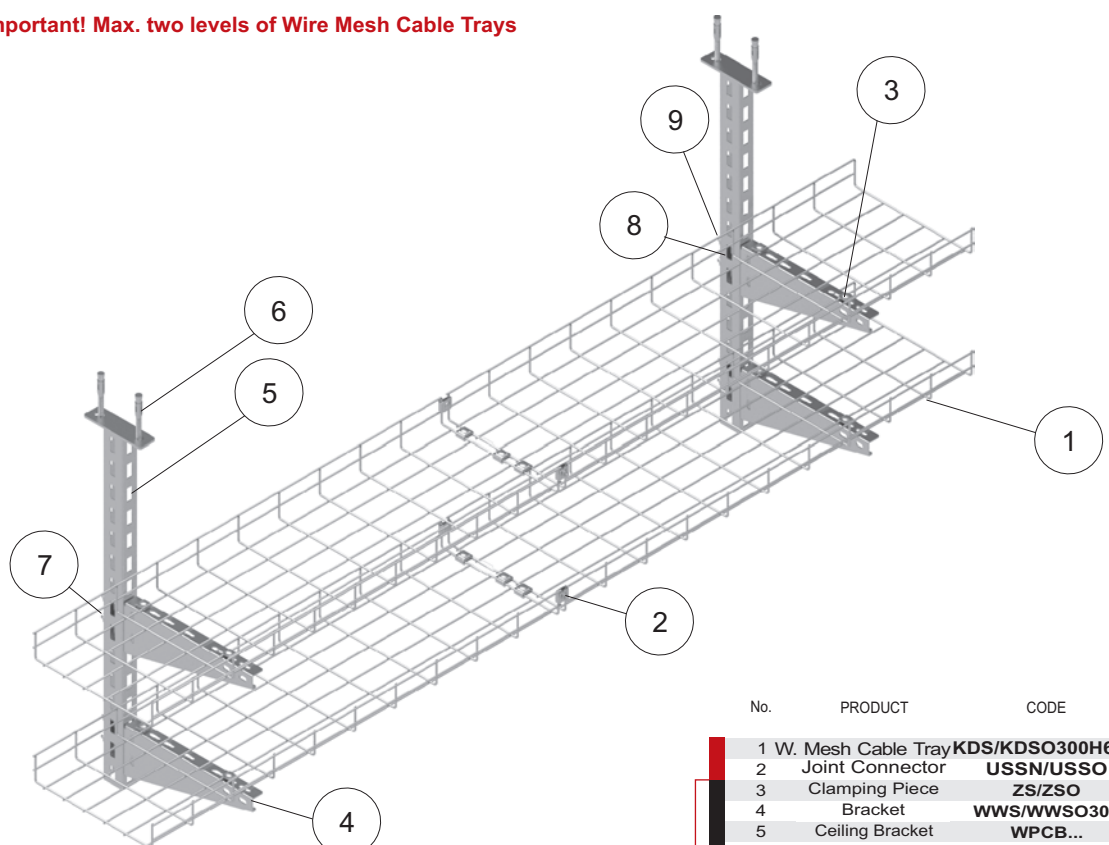


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	KDS/KDSO400H60/3	970140	2
2	Joint Connector	USSN/USSO	900201	5
3	Clamping Piece	ZS/ZSO	901600	2
4	Bracket	WWCT/WWCTO400	713040	1
5	Ceiling Bracket	WPCE/WPCEO800	721580	1
6	Bolt Anchor	PSROM10x80	804100	2
7	Screw Set	SMM10x120	651443	1
8	Spacer	BR70	700400	1
9	Washer	PP10	650544	1

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Assembly without threaded rod
Wire Mesh Cable Tray Width 400 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 20 kg/m

Important! Max. two levels of Wire Mesh Cable Trays

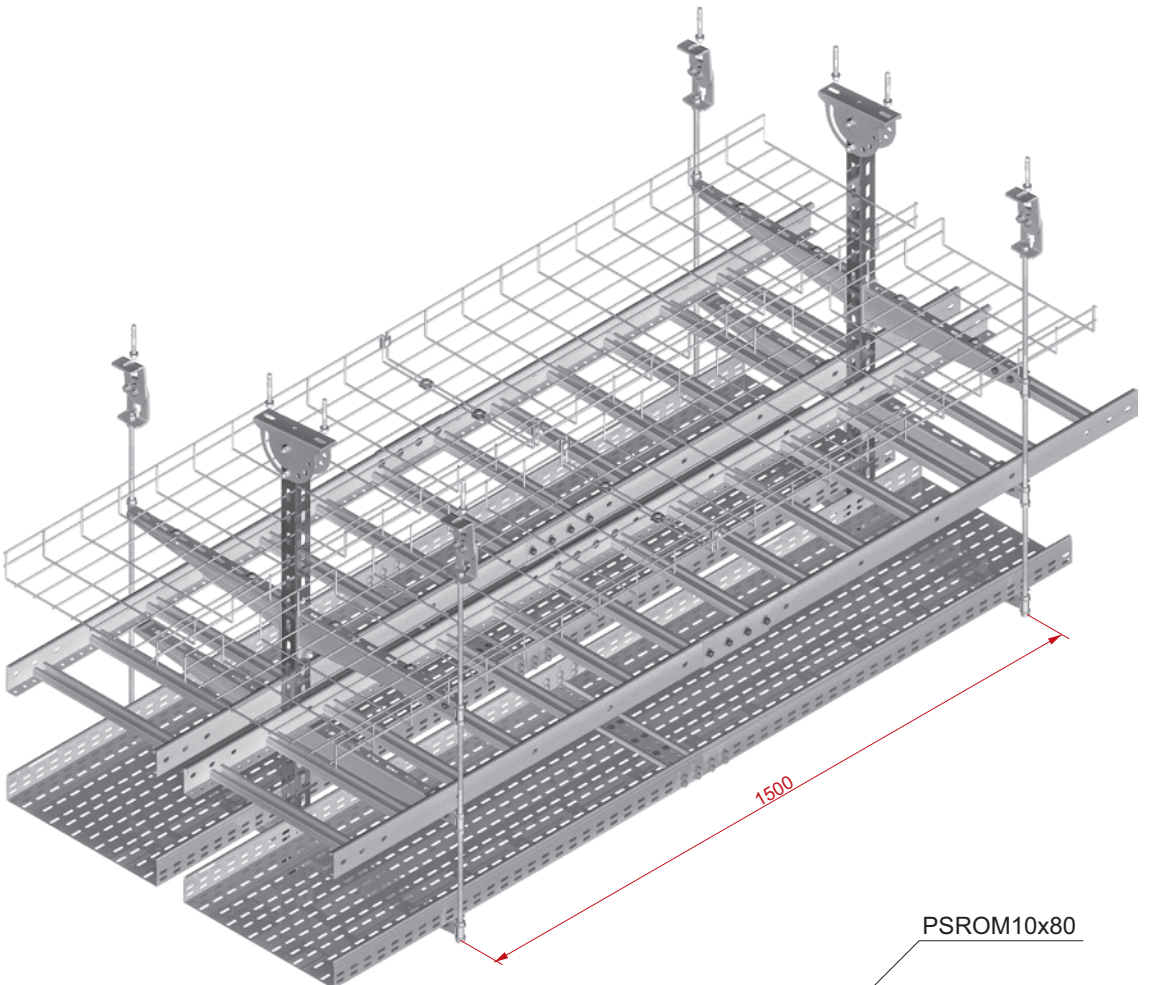


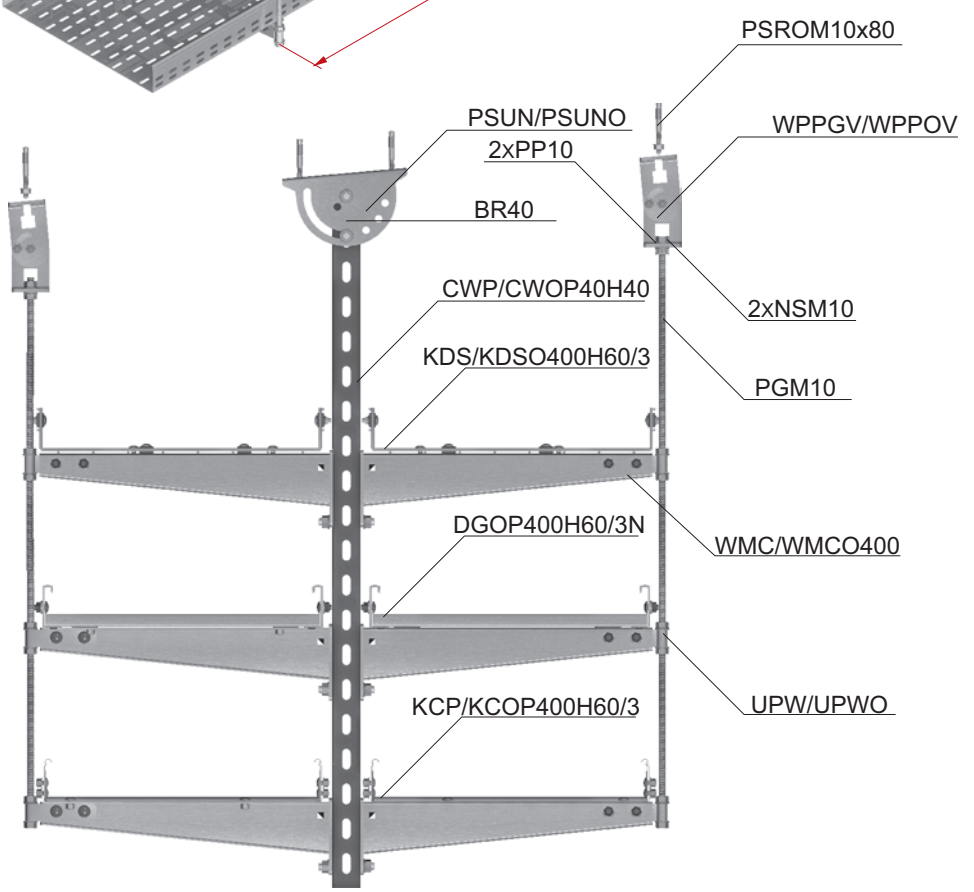
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	W. Mesh Cable Tray	KDS/KDSO300H60/3	970130	4
2	Joint Connector	USSN/USSO	900201	10
3	Clamping Piece	ZS/ZSO	901600	4
4	Bracket	WWS/WWSO300	710530	2
5	Ceiling Bracket	WPCB...	---	1
6	Bolt Anchor	PSROM10x80	804100	2
7	Screw Set	SMM10x80	651043	4
8	Spacer	BR55	700300	2
9	Washer	PP10	650544	4

LIST OF ELEMENTS TO CONNECT 4 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

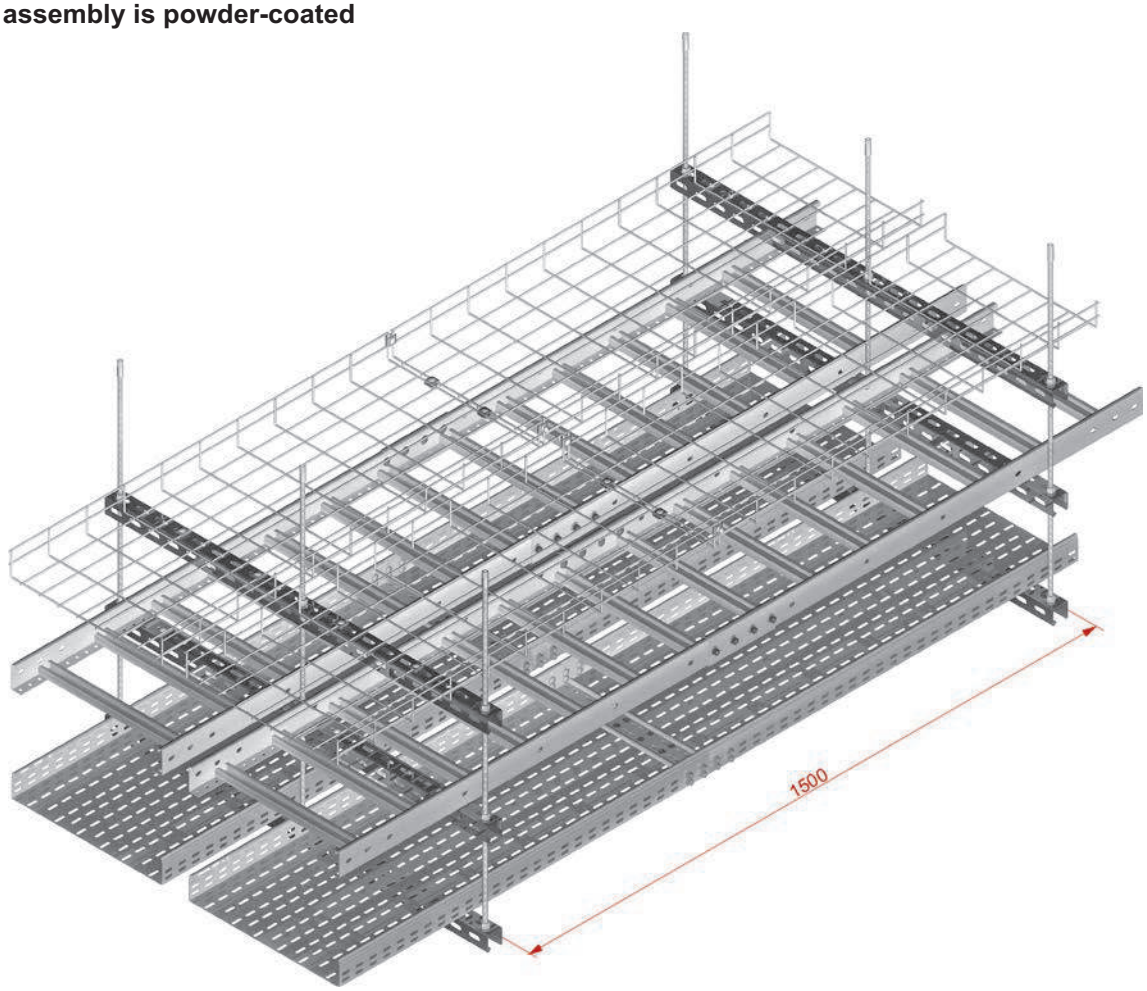
Assembly without threaded rod
Wire Mesh Cable Tray Width 300 mm
Max. Spacing of Supports 1,5 m
Max. Safe Load 10 kg/m for 1 level

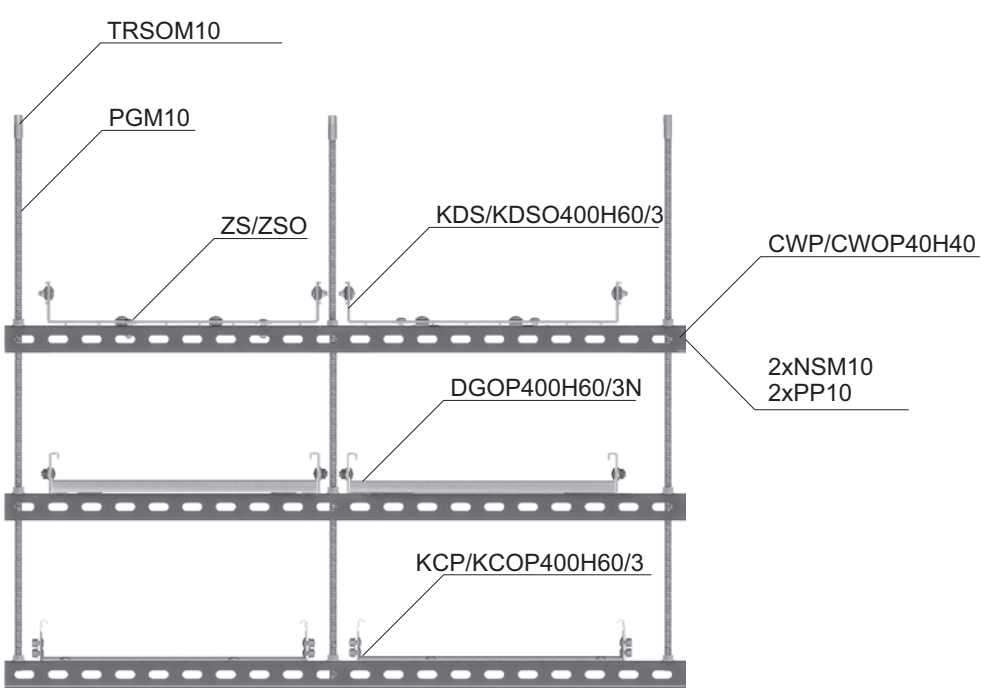
Eexample of Assembly Exceeding Standard for Cables Distribution in Wire Mesh Cable Trays Suspended from Ceiling Using Head Plate - Variables PSUN/PSUNO and Brackets WMC/WMCO400



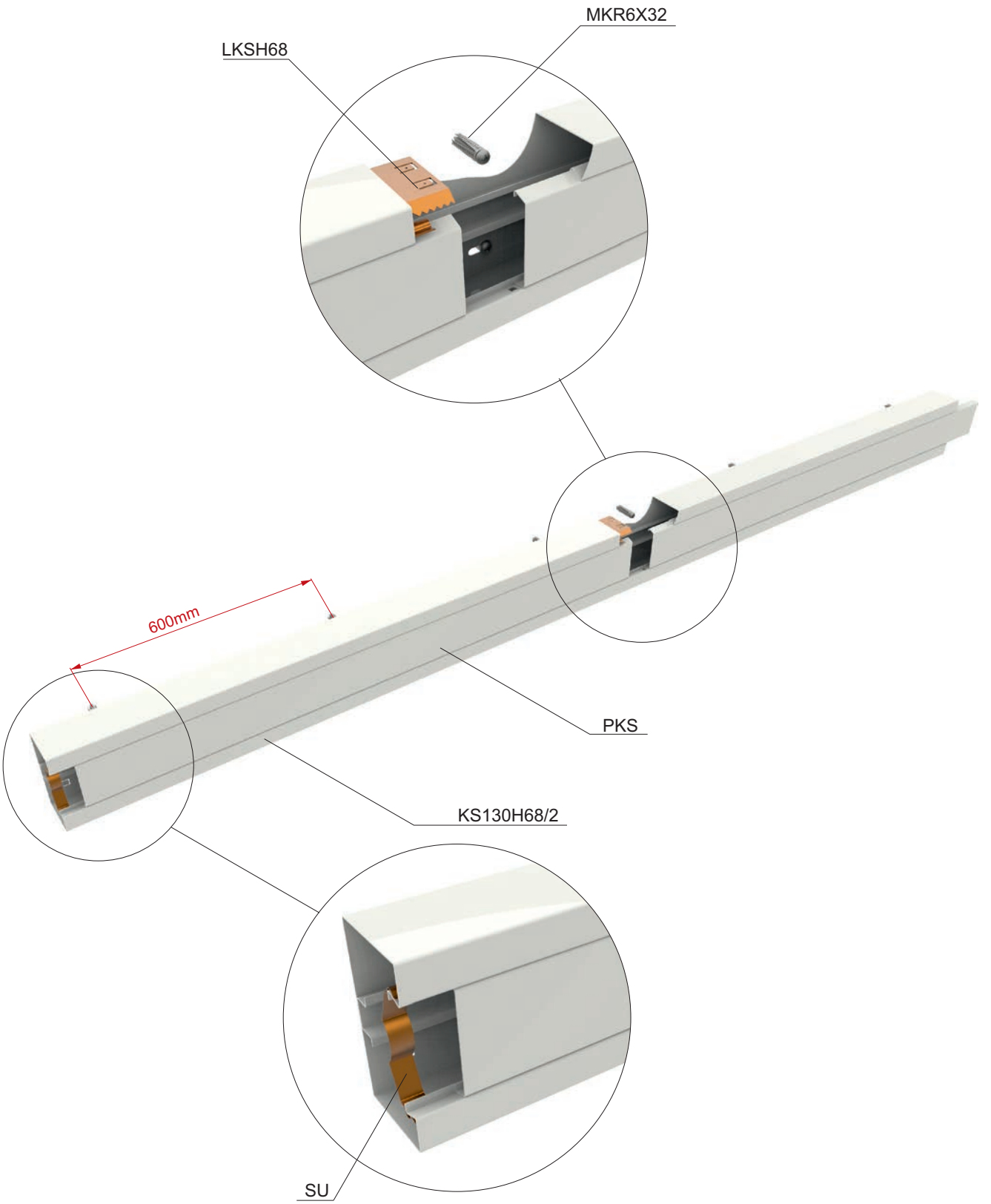


Example of Assembly Exceeding Standard for Cables Distribution in Cable Trays, Wire Mesh Cable Trays, and on Cable Ladders Suspended from Ceiling Using Threaded Rods and Strut Channels.
Note:
This assembly is powder-coated



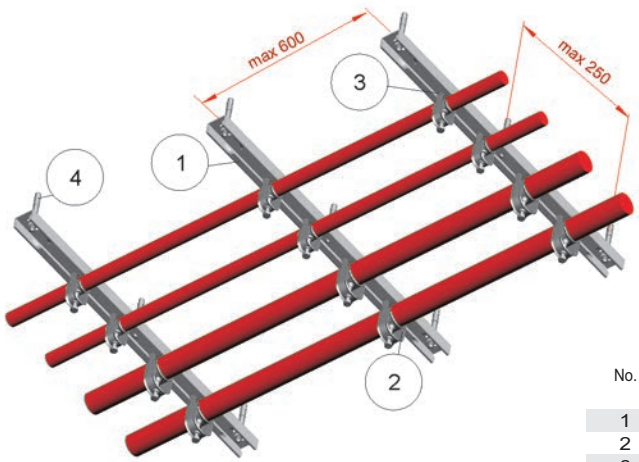


Example of Assembly Exceeding Standard for Cables Distribution in Wall Trunking



Example of Assembly Exceeding Standard for Cables Distribution on Rungs to the Ceiling or Wall to the – in Vertical and Horizontal Plane.

Can be fixed in one UK/UKO1…
or UK2/UKO2…
cable clamp:
- 3 cables of an above 20mm diameter
- 5 cables of a below 20mm diameter

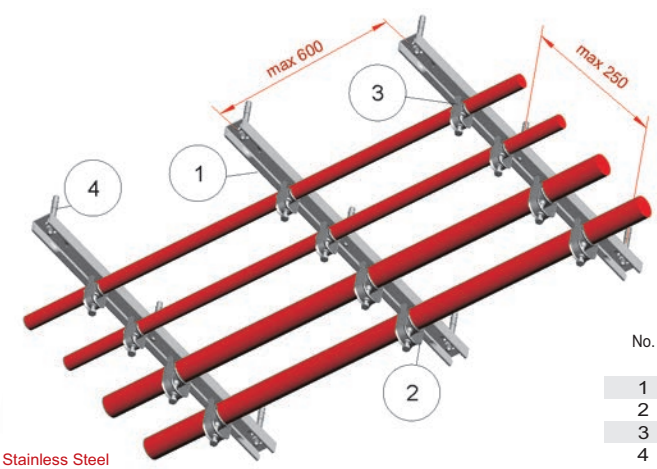


No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Rung	**SDOC500**	**800150**	1
2	Cable Clamp	**UK1/UKO1/46-52**	**402800**	Depends on the number of cables
3	Cable Clamp	**UK1/UKO1/16-22**	**402300**	
4	Bolt Anchor	**SROM6x30**	**803900**	3

Rungs spacing 0,6 m.
Max. spacing of Anchor Bolts 0,25 m.

Example of Assembly Exceeding Standard for Cables Distribution on Rungs to the Ceiling or Wall to the – in Vertical and Horizontal Plane.

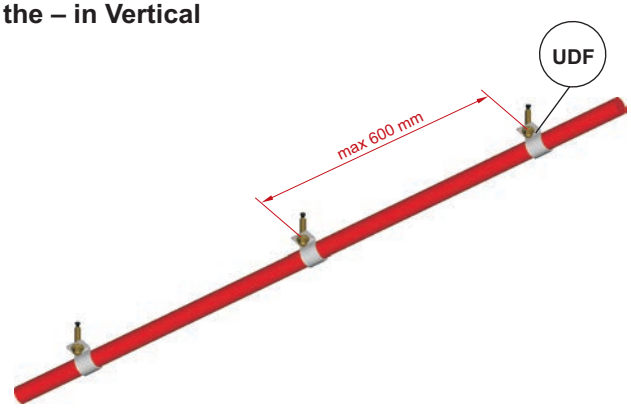
Can be fixed in one UK/UKO1…
or UK2/UKO2…
cable clamp:
- 3 cables of an above 20mm diameter
- 5 cables of a below 20mm diameter



No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Rung	**SDOC500E**	**800151**	1
2	Cable Clamp	**UK1/UKO1/46-52E**	**302800**	Depends on the number of cables
3	Cable Clamp	**UK1/UKO1/16-22E**	**302300**	
4	Bolt Anchor	**SROM6x30E**	**803901**	3

Material: Stainless Steel
Rungs spacing 0,6 m.
Max. spacing of Anchor Bolts 0,25 m.

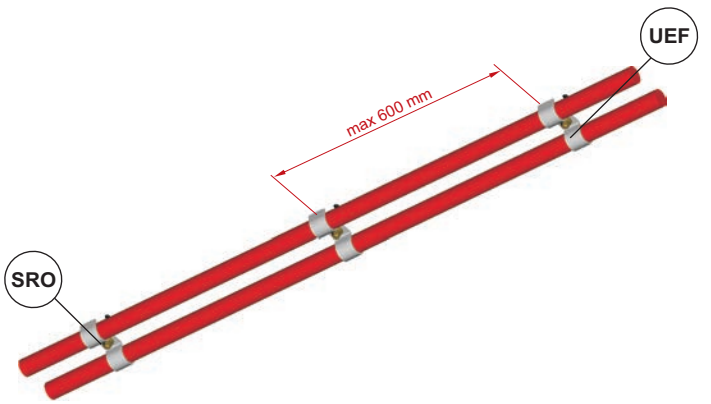
Example of Assembly Exceeding Standard to the Ceiling or Wall to the – in Vertical and Horizontal Plane.



To install use the following bolts:
- SROM6x30
- SRBOM6x30 + NSM6 + PP6
- SBOM5x60
- KWBO6x35 or KWBO6x40
- GSO6x40
- KSKOM6
- KKG5
- MKR6x32
- PSROM6x45
- SMD4,8x16

Spacing of Cable Clips 0,6 m.

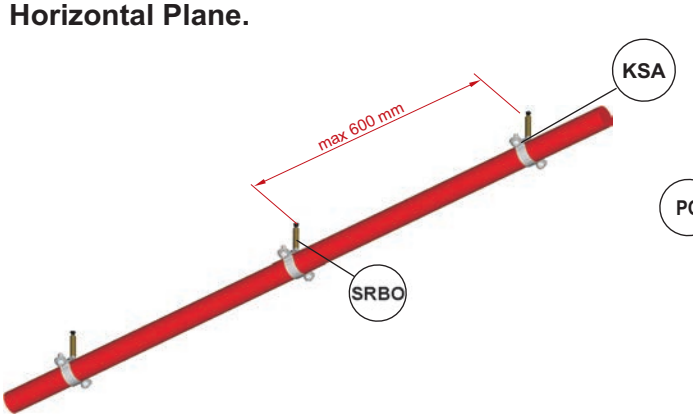
Example of Assembly Exceeding Standard to the Ceiling or Wall to the – in Vertical and Horizontal Plane.

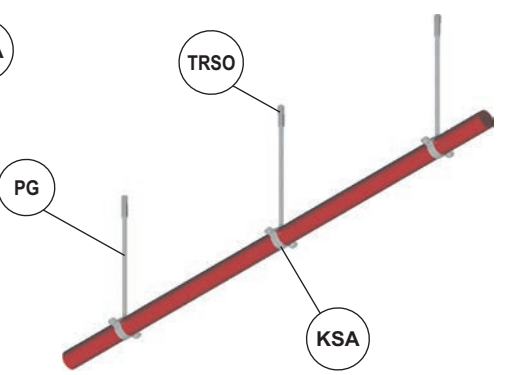


To install use the following bolts:
- SROM6x30
- SRBOM6x30 + NSM6 + PP6
- SBOM5x60
- KWBO6x35 or KWBO6x40
- GSO6x40
- KSKOM6
- KKG5
- MKR6x32
- PSROM6x45
- SMD4,8x16

Spacing of Cable Clips 0,6 m.

Example of Assembly Exceeding Standard to the Ceiling or Wall to the – in Vertical and Horizontal Plane.

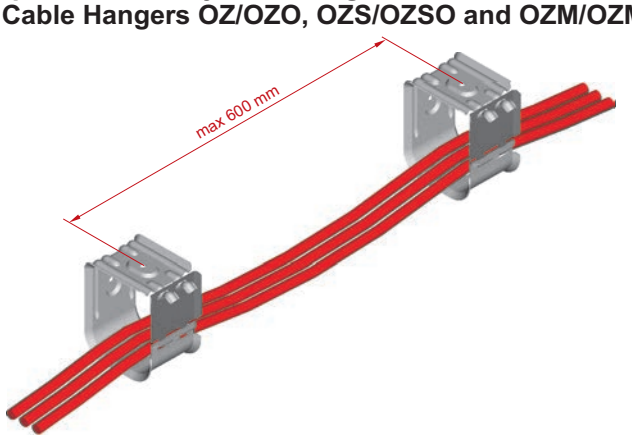


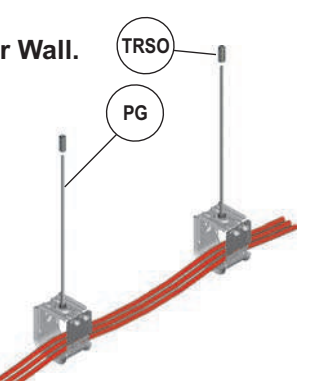


To install use the following bolts:
- SRBOM6x30
or
- Threaded Rod PGM6
  with Drop in Anchor TRSOM6

Spacing of Cable Hanger 0,6 m.

Example of Assembly Exceeding Standard for Cables Distribution with Cable Hangers OZ/OZO, OZS/OZSO and OZM/OZMO to the Ceiling or Wall.

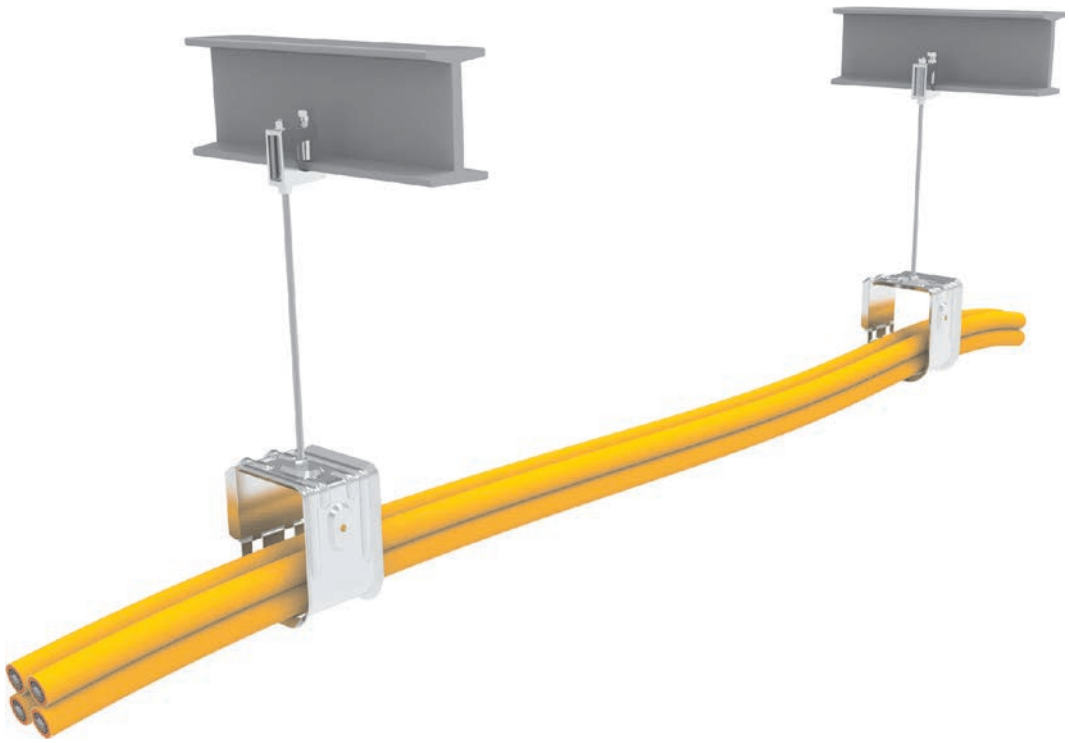




To install use the following bolts:
- SROM6x30
- SRBOM6x30 + NSM6 + PP6
- SBOM5x60 or SBOM6x60
- KWBO6x35 or KWBO6x40
- GSO6x40
or
- Threaded Rod PGM6
  with Drop in Anchor TRSOM6
- PSROM6x45 or PSROM6x50
- KKG5

Max. Safe Load for:
- OZ/OZO 6 kg/m,
- OZS/OZSO 2 kg/m,
- OZM/OZMO 1 kg/m,
Spacing of Cable Hanger 0,6 m.

Example of Assembly Exceeding Standard for Cables Distribution with Cable Hangers OZ/OZO, OZS/OZSO or OZM/OZMO, To the I-beam



Max. Safe Load for:
- OZ/OZO 6 kg/m,
- OZS/OZSO 2 kg/m,
- OZM/OZMO 1 kg/m,

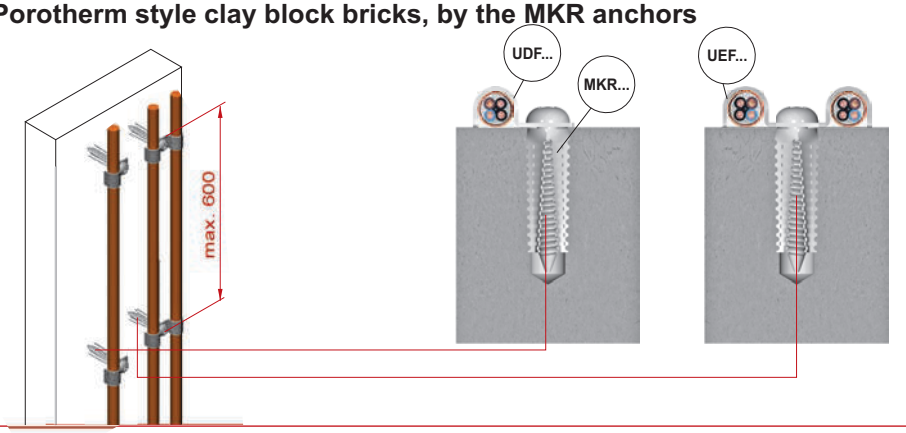
Spacing of Cable Hanger 0,6 m.

Example of Assembly Exceeding Standard for Cables Distribution with Cable Hangers OZ/OZO, OZS/OZSO or OZM/OZMO, to the trapezoid decking sheet

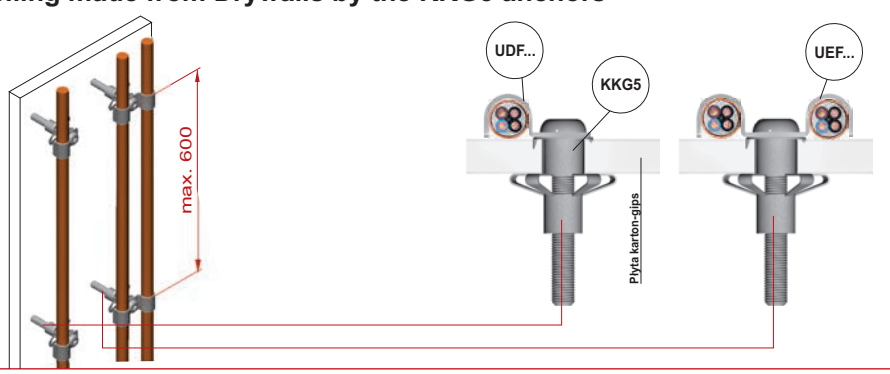
Max. Safe Load for:
- OZ/OZO 6 kg/m,
- OZS/OZSO 2 kg/m,
- OZM/OZMO 1 kg/m,

Spacing of Cable Hanger 0,6 m.

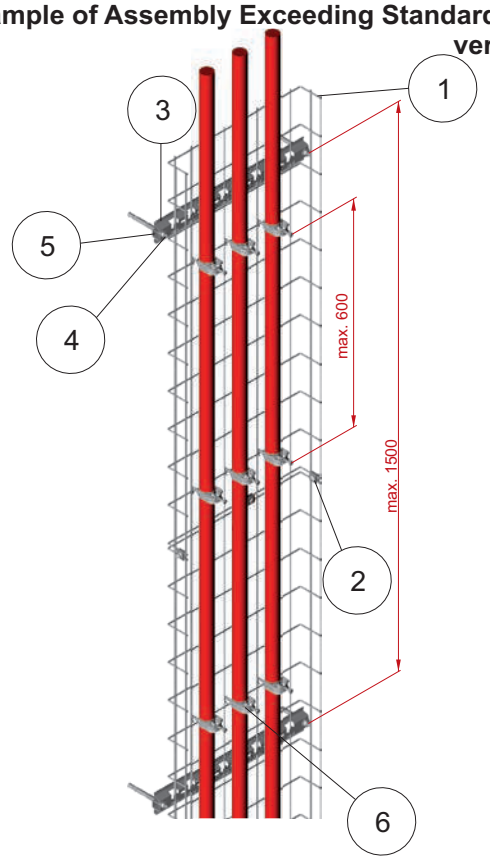
Example of Assembly Exceeding Standard for cable runs on UDF, UEF Cable clips assembled to the floor or ceiling, made from Autoclaved aerated concrete, Silicate brics, concrete or Porotherm style clay block bricks, by the MKR anchors



Example of Assembly Exceeding Standard for cable runs on UDF, UEF Cable clips assembled to the floor or ceiling made from Drywalls by the KKG5 anchors



Example of Assembly Exceeding Standard of Wire Mesh Cable Trays assembled vertically by PMC/PMCO Snap-In support

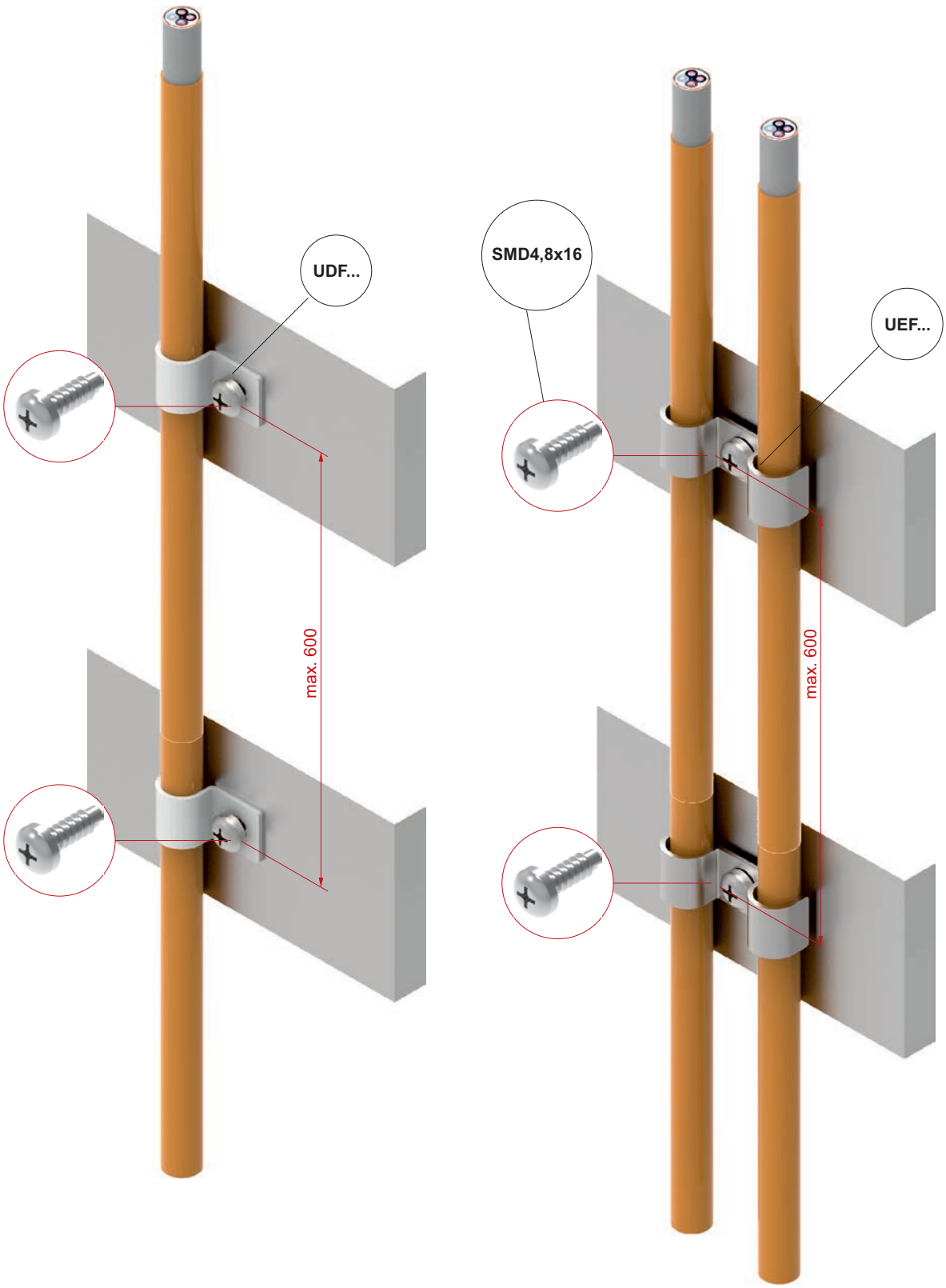


Can be fixed in 1
UKZ1/UKZO1.cable clamp:
- 3 cables of an above 20mm diameter
- 5 cables of a below 20mm diameter

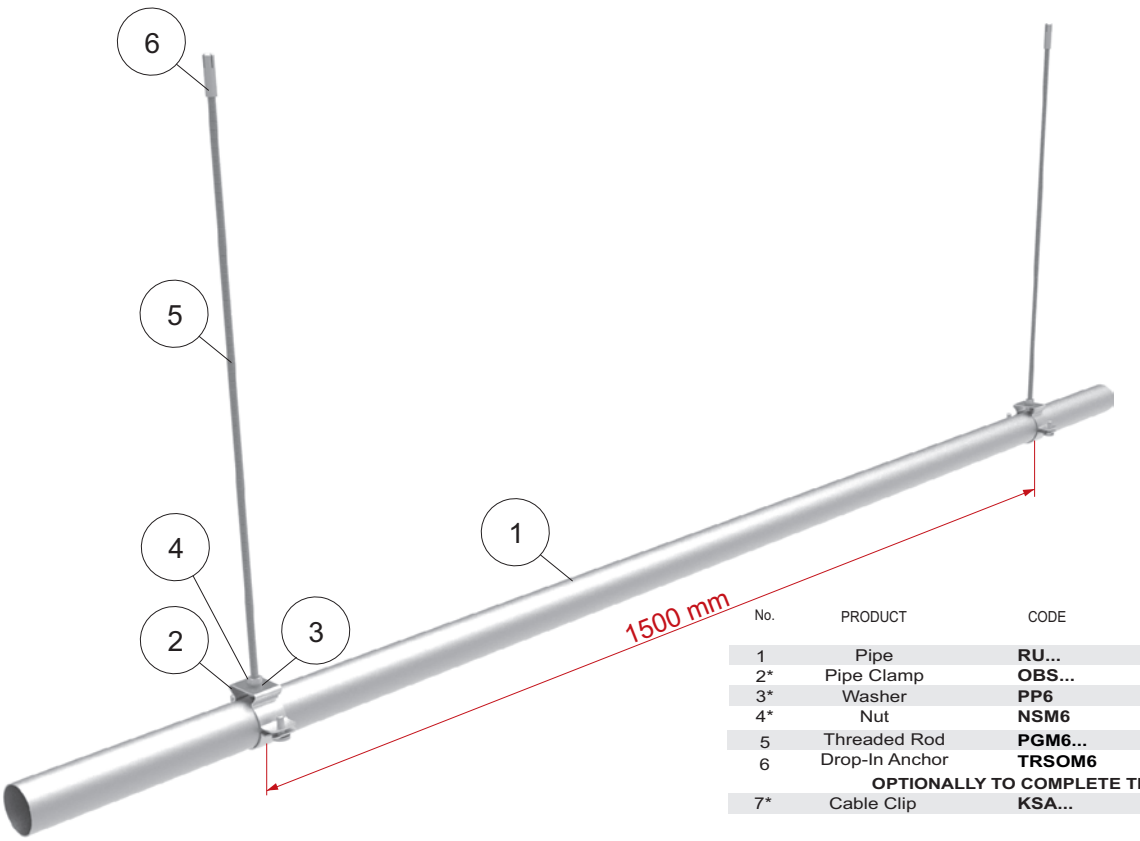
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Wire Mesh Cable Tray	**KDS/KDSO400H60/3**	**970140**	2
2	Joint Connector	**USSN/USSO**	**900201**	5
3	Snap-in Support	**PMC/PMCO400**	**900940**	1
4	Bolt Anchor	**PSROM8x75**	**804000**	2
5	Spacer	**PD11**	**803100**	2
6	Cable Clamp	**UKZ1/UKZO1...**	**----**	---

LIST OF ELEMENTS TO CONNECT 2 PCS OF CABLE TRAYS
LIST OF ELEMENTS TO CREATE SUPPORT

Example of Assembly Exceeding Standard for cable runs on UDF, UEF Cable clips fixed to a steel base using self-drilling SMD4,8x16 screws.

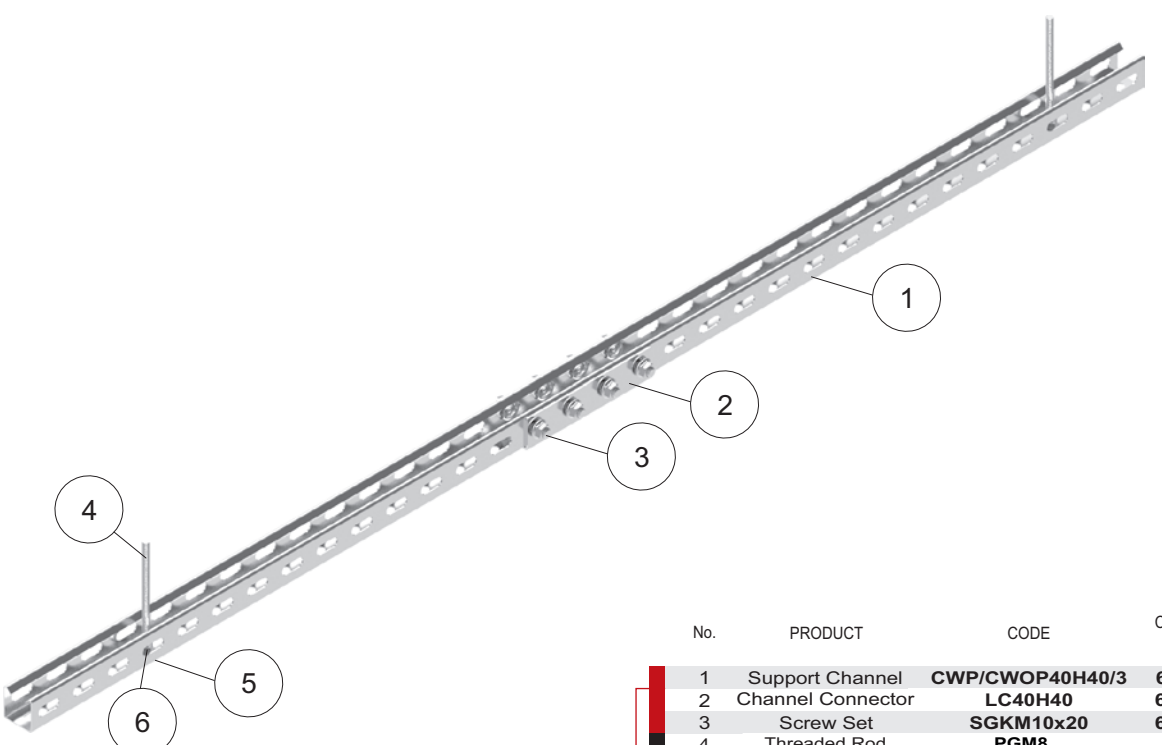


Example of Assembly Exceeding Standard for cable runs in Pipe RU... - to the ceiling



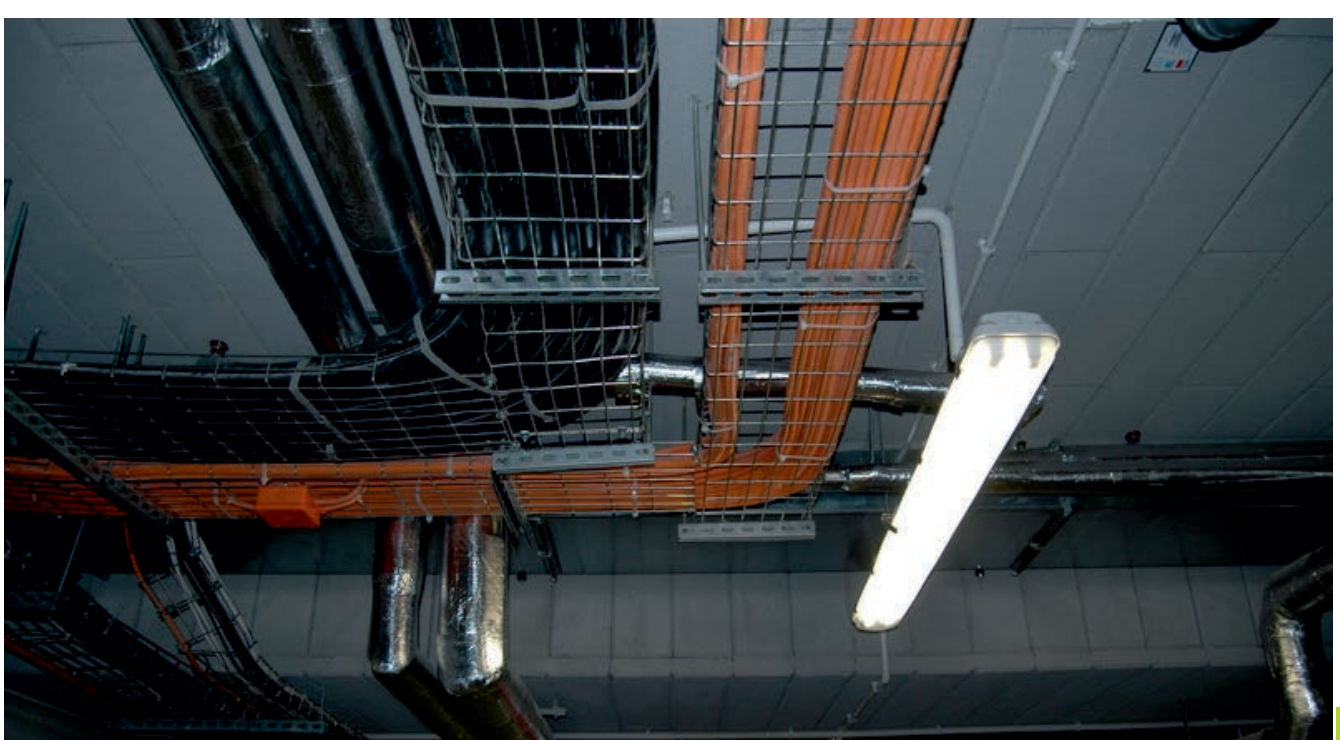
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Pipe	**RU...**	---	1
2*	Pipe Clamp	**OBS...**	---	1
3*	Washer	**PP6**	**650744**	2
4*	Nut	**NSM6**	**650044**	2
5	Threaded Rod	**PGM6...**	---	1
6	Drop-In Anchor	**TRSOM6**	**804600**	1
	OPTIONALLY TO COMPLETE THE SET *			
7*	Cable Clip	**KSA...**	---	1

Example of Assembly Exceeding Standard for cable runs on Support Channel - to the ceiling



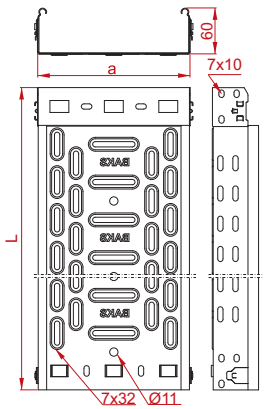
No.	PRODUCT	CODE	Catalogue No.	No. of Pcs. in Single Suspension
1	Support Channel	**CWP/CWOP40H40/3**	**611130**	2
2	Channel Connector	**LC40H40**	**660401**	1
3	Screw Set	**SGKM10x20**	**651341**	8
4	Threaded Rod	**PGM8...**	---	1
5	Washer	**PW8**	**650944**	2
6	Nut	**NSM8**	**650144**	2

LIST OF ELEMENTS TO CONNECT 2 PCS OF SUPPORT CHANNEL
LIST OF ELEMENTS TO CREATE SUPPORT



Cable Tray

KF...



KFL...H60

≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KFL100H60/2	100	2000	1.18	161123	4/8
KFL100H60/3	100	3000	1.18	161223	4/12
KFL150H60/2	150	2000	1.43	161323	4/8
KFL150H60/3	150	3000	1.43	161423	4/12
KFL200H60/2	200	2000	1.68	161523	4/8
KFL200H60/3	200	3000	1.68	161623	4/12
KFL300H60/2	300	2000	2.18	161723	2/4
KFL300H60/3	300	3000	2.18	161823	2/6

KFJ...H60

≠ 1.0 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KFJ100H60/3	100	3000	1.63	162623	4/12
KFJ150H60/3	150	3000	1.98	162723	4/12
KFJ200H60/3	200	3000	2.28	162823	4/12
KFJ300H60/3	300	3000	2.96	162923	2/6
KFJ400H60/3	400	3000	3.65	163023	2/6

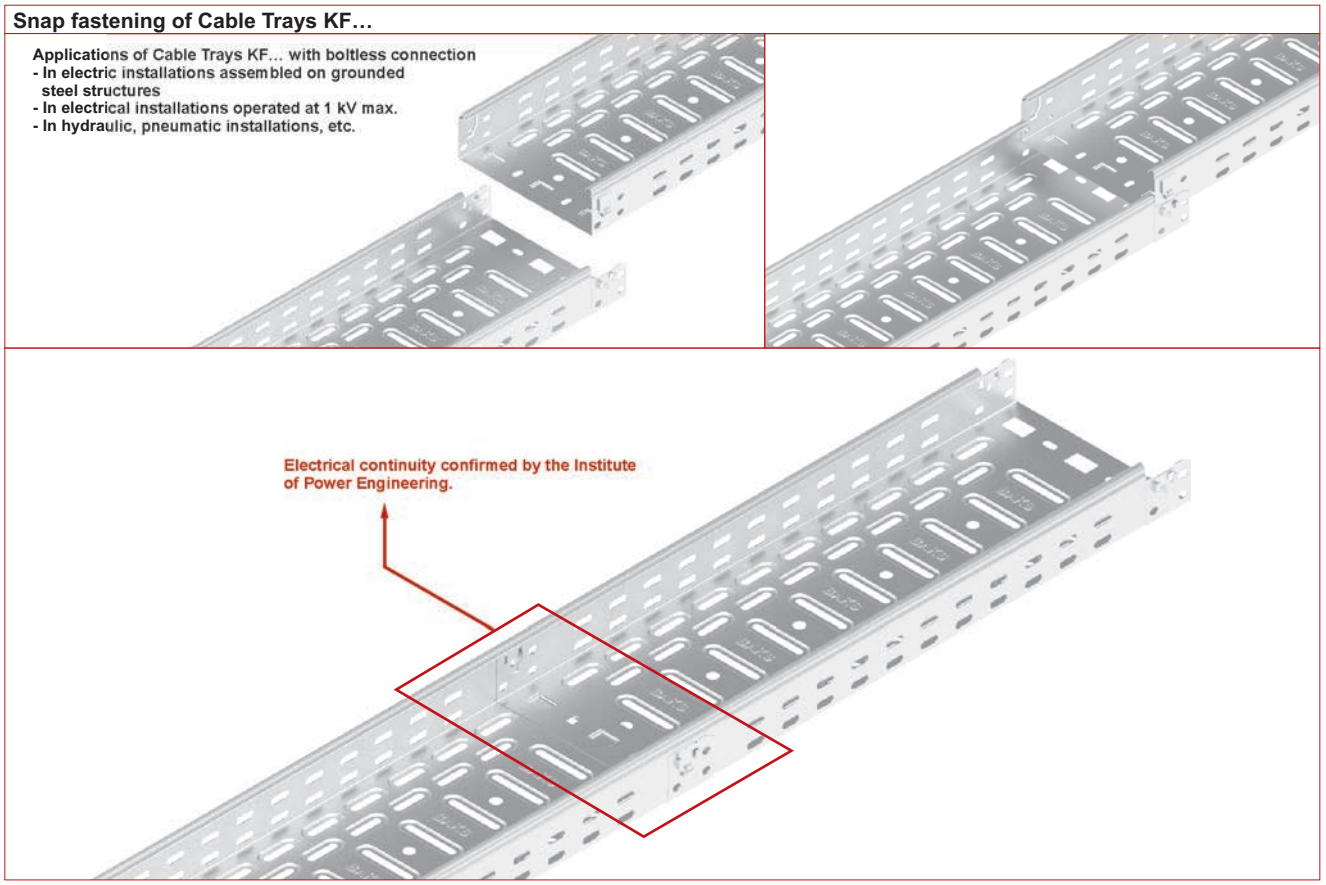
Advantages of new system:
- **Fast and easy assembly**
- **Firm click connection**
- **Deep stamping around the slots in the bottom increase the strength**
- **Dense perforation with stamping around the slots for excellent heat transfer – designed to enable cable tray installation on supports from BAKS anywhere within the system**

Slotted holes Ø11 in the cable tray bottom allow for suspension on a threaded rod SGKM6x12

APPLICATION
Cable routing

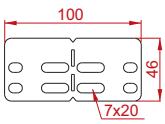
MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09

Snap fastening of Cable Trays KF...



Connector

LKFJH60



LKFJH60

≠ 1.0 mm

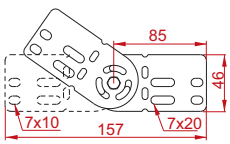
CODE	kg 1 pc.	Catalogue No.	Qty
LKFJH60	0.03	163212	100

The connectors are used to join fittings without integrated connectors (e.g.bypass) with Cable Trays KF... (suitable for click ends of Cable Trays KF...) or standard length Cable Trays KF... with another cut-to-length tray. For the assembly use at least 4 Screw Sets SGKM6x12 or SGM6x12.

N

Articulated Connector

LGFJH60



LGFJH60

≠ 1.0 mm

CODE	Height H mm	kg 1 pc.	Catalogue No.	Qty
LGFJH60	50	0.12	164512	100

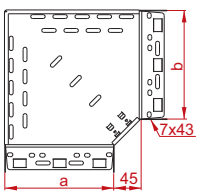
For the assembly use Screw Sets SGKM6x12 or SGM6x12

N

APPLICATION
Connecting cable routes

90° Horizontal Bend

KKUJ...



KKUJ...H60

≠ 1.0 mm

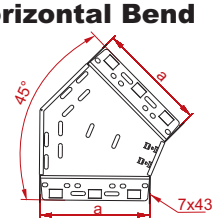
CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
KKUJ50H60	50	0.22	165061	20
KKUJ100H60	100	0.41	165062	10
KKUJ150H60	150	0.58	165063	10
KKUJ200H60	200	0.79	165064	10
KKUJ300H60	300	1.30	165065	10
KKUJ400H60	400	2.20	165066	10

Universal fittings for appliance in the classical systems of cable trays, as well as the CLICK Fast Assembly System. For the assembly use Screw Sets SGKM6x12 or SGM6x12. In case of special orders please specify dimensions a and b.

N

45° Horizontal Bend

KKMUJ...



KKMUJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKMUJ50H60	50	0.16	165161	20
KKMUJ100H60	100	0.29	165162	10
KKMUJ150H60	150	0.41	165163	10
KKMUJ200H60	200	0.55	165164	10
KKMUJ300H60	300	0.91	165165	10
KKMUJ400H60	400	1.54	165166	10

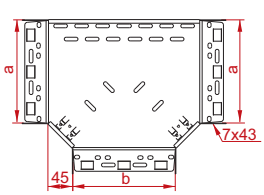
Universal fittings for appliance in the classical systems of cable trays, as well as the CLICK Fast Assembly System. For the assembly use Screw Sets SGKM6x12 or SGM6x12.

N

APPLICATION
Diversions in cable routing.

Horizontal Tee

TKUJ...

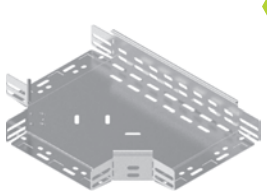


TKUJ...H60

≠ 1.0 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
TKUJ50H60	50	0.28	165261	20
TKUJ100H60	100	0.45	165262	10
TKUJ150H60	150	0.64	165263	10
TKUJ200H60	200	0.90	165264	10
TKUJ300H60	300	1.49	165265	10
TKUJ400H60	400	2.26	165266	10

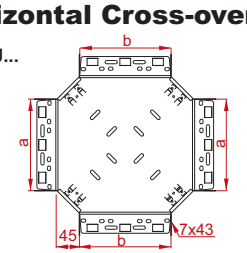
Universal fittings for appliance in the classical systems of cable trays, as well as the CLICK Fast Assembly System. For the assembly use Screw Sets SGKM6x12 or SGM6x12. In case of special orders please specify dimensions a and b.



N

Horizontal Cross-over

CZKUJ...

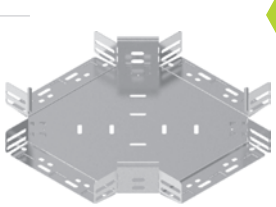


CZKUJ...H60

≠ 1.0 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
CZKUJ50H60	50	0.33	165361	20
CZKUJ100H60	100	0.48	165362	10
CZKUJ150H60	150	0.67	165363	10
CZKUJ200H60	200	0.96	165364	10
CZKUJ300H60	300	1.49	165365	10
CZKUJ400H60	400	2.28	165366	10

Universal fittings for appliance in the classical systems of cable trays, as well as the CLICK Fast Assembly System. For the assembly use Screw Sets SGKM6x12 or SGM6x12. In case of special orders please specify dimensions a and b.



N

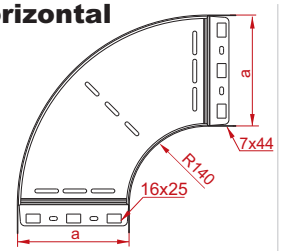
APPLICATION
Branching out cable routes.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

90° Horizontal Bend

KKPFJ...

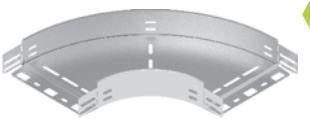


KKPFJ...H60

± 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	qty
KKPFJ100H60	100	0.60	160226	10
KKPFJ150H60	150	0.82	160326	10
KKPFJ200H60	200	1.07	160426	10
KKPFJ300H60	300	1.66	160526	10
KKPFJ400H60	400	2.29	160626	10

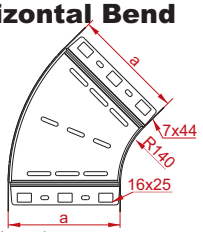
For the assembly use Screw Sets SGKM6x12 or SGM6x12.



N

45° Horizontal Bend

KKMPFJ...



APPLICATION
Diversions in cable routing.

KKMPFJ...H60

± 1.0 mm

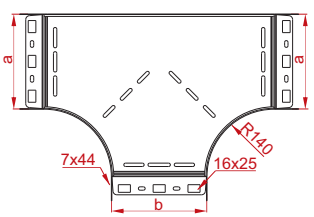
CODE	Width a mm	kg 1 pc.	Catalogue No.	qty
KKMPFJ100H60	100	0.34	161026	10
KKMPFJ150H60	150	0.46	161126	10
KKMPFJ200H60	200	0.60	161226	10
KKMPFJ300H60	300	0.91	161426	10
KKMPFJ400H60	400	1.29	161526	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

N

Horizontal Tee

TKPFJ...

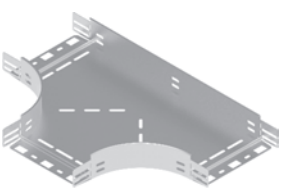


TKPFJ...H60

± 1.0 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	qty
TKPFJ100H60	100	0.98	162026	20
TKPFJ150H60	150	1.30	162126	20
TKPFJ200H60	200	1.65	162226	20
TKPFJ300H60	300	2.47	162326	20
TKPFJ400H60	400	3.45	162426	20

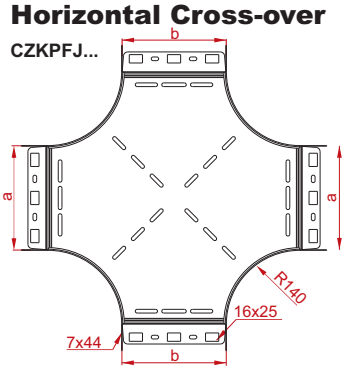
For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.



N

Horizontal Cross-over

CZKPFJ...

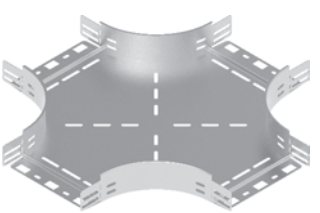


CZKPFJ...H60

± 1.0 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	qty
CZKPFJ100H60	100	1.23	162826	10
CZKPFJ150H60	150	1.58	162926	10
CZKPFJ200H60	200	1.98	163026	10
CZKPFJ300H60	300	2.88	163126	10
CZKPFJ400H60	400	3.94	163226	10

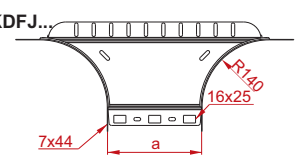
For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.



N

Add-on Tee

TKDFJ...



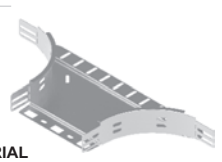
APPLICATION
Branching out cable routes.

TKDFJ...H60

± 1.0 mm

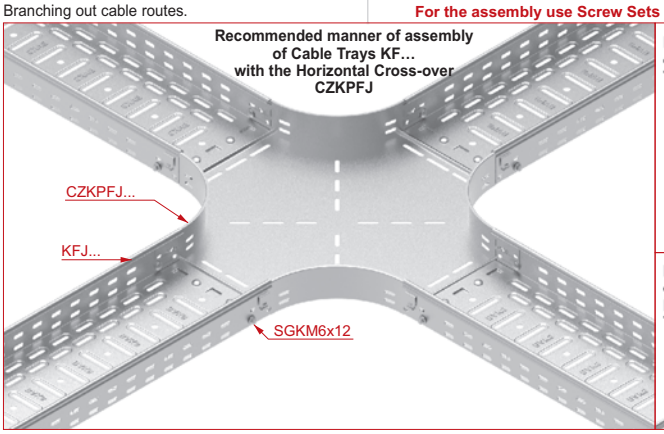
CODE	Width a mm	kg 1 pc.	Catalogue No.	qty
TKDFJ100H60	100	0.44	163526	10
TKDFJ150H60	150	0.51	163626	10
TKDFJ200H60	200	0.58	163726	10
TKDFJ300H60	300	0.72	163826	10
TKDFJ400H60	400	0.86	163926	10

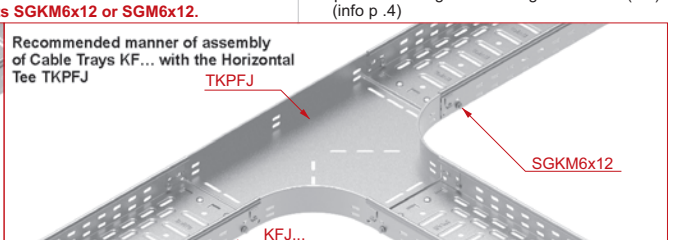
For the assembly use Screw Sets SGKM6x12 or SGM6x12.

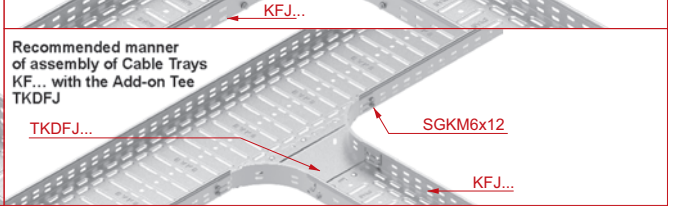


N

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC) (info p .4)



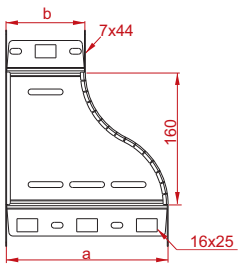




Thickn. (ga) ± [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Left Reducer

RKLFJ...

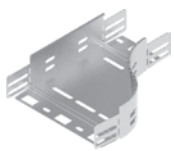


RKLFJ...H60

≠ 1.0 mm

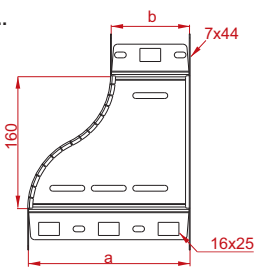
CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKLFJ150/100H60	150	100	0.23	164712	10
RKLFJ200/100H60	200	100	0.28	164812	10
RKLFJ200/150H60	200	150	0.30	164912	10
RKLFJ300/200H60	300	200	0.37	165012	10
RKLFJ400/300H60	400	300	0.41	165070	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.



Right Reducer

RKPFJ...

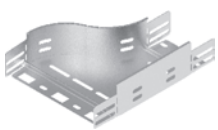


RKPFJ...H60

≠ 1.0 mm

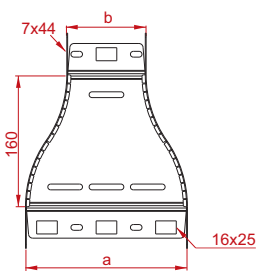
CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKPFJ150/100H60	150	100	0.23	165212	10
RKPFJ200/100H60	200	100	0.28	165312	10
RKPFJ200/150H60	200	150	0.30	165412	10
RKPFJ300/200H60	300	200	0.37	165512	10
RKPFJ400/300H60	400	300	0.41	165530	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.



Straight Reducer

RKSFJ...

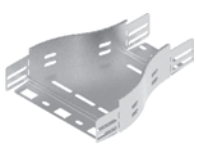


RKSFJ...H60

≠ 1.0 mm

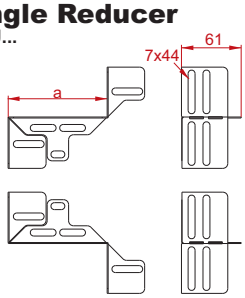
CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKSFJ150/100H60	150	100	0.23	165712	10
RKSFJ200/100H60	200	100	0.28	165812	10
RKSFJ200/150H60	200	150	0.30	165912	10
RKSFJ300/200H60	300	200	0.37	166012	10
RKSFJ400/300H60	400	300	0.41	166021	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.



Angle Reducer

RKJ...



RKJ...H60

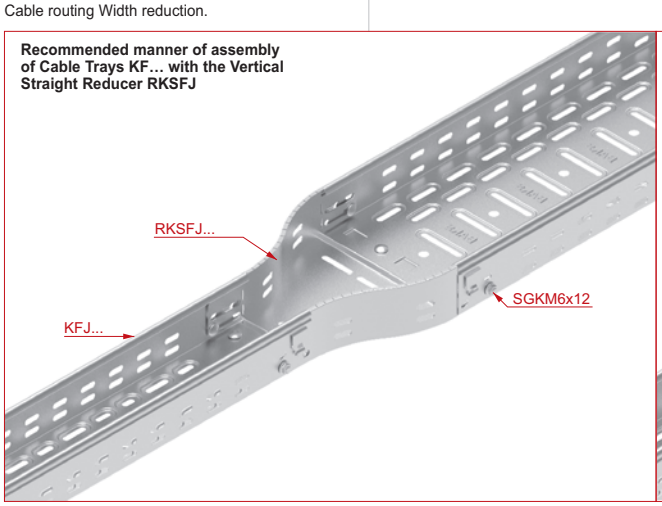
≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
RKJ50H60	50	0.07	169706	10
RKJ100H60	100	0.10	169711	10
RKJ150H60	100	0.14	169716	10
RKJ200H60	150	0.18	169721	10

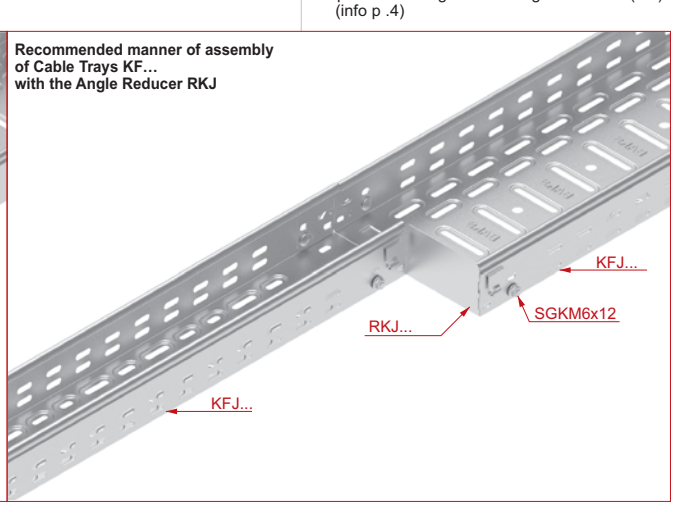
APPLICATION
Cable routing Width reduction.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Recommended manner of assembly of Cable Trays KF… with the Vertical Straight Reducer RKSFJ



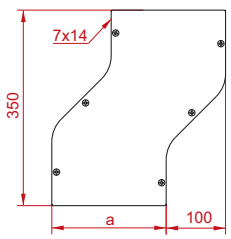
Recommended manner of assembly of Cable Trays KF… with the Angle Reducer RKJ



Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Horizontal Bypass

OPZJ...

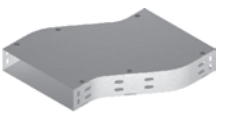


OPZJ...H60

≠ 1.0 mm

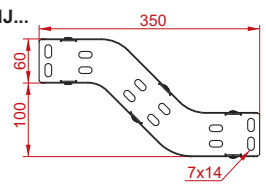
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPZJ50H60	50	0.62	166324	2
OPZJ100H60	100	0.86	167810	2
OPZJ150H60	150	1.12	167815	2
OPZJ200H60	200	1.38	167820	2
OPZJ300H60	300	1.92	167830	2
OPZJ400H60	400	2.44	167840	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LKFJH60. Can be used as a left or right bypass



Vertical Bypass

OPNJ...

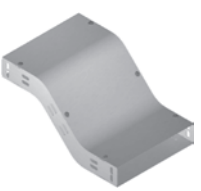


OPNJ...H60

≠ 1.0 mm

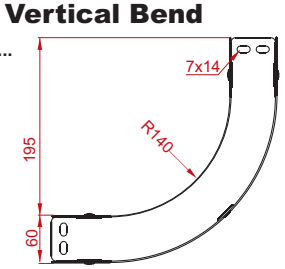
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPNJ50H60	50	0.62	166724	2
OPNJ100H60	100	0.86	168010	2
OPNJ150H60	150	1.12	168015	2
OPNJ200H60	200	1.38	168020	2
OPNJ300H60	300	1.92	168030	2
OPNJ400H60	400	2.44	168040	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LKFJH60. Can be used as an upper or bottom bypass



90° Vertical Bend

LUPJ...



LUPJ...H60

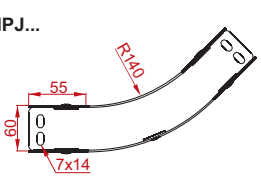
≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUPJ50H60	50	0.72	167524	2
LUPJ100H60	100	1.01	165714	2
LUPJ150H60	150	1.30	165814	2
LUPJ200H60	200	1.63	165914	2
LUPJ300H60	300	2.36	166014	2
LUPJ400H60	400	3.09	166114	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LKFJH60. Can be used as an external or internal bend.

45° Vertical Bend

LUMPJ...

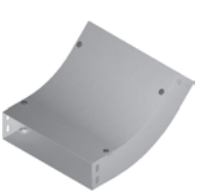


LUMPJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUMPJ50H60	50	0.55	168124	2
LUMPJ100H60	100	0.70	167114	2
LUMPJ150H60	150	1.05	167214	2
LUMPJ200H60	200	1.77	167314	2
LUMPJ300H60	300	2.12	167414	2
LUMPJ400H60	400	2.45	167514	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LKFJH60. Can be used as an external or internal bend.



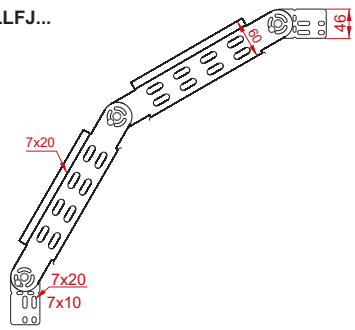
APPLICATION
Bypassing mechanical obstacles in cable routing

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Adjustable Vertical Bend

LLFJ...



LLFJ...H60

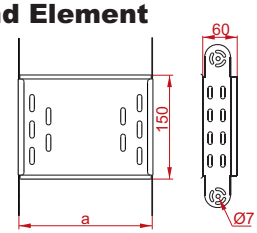
≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LLFJ100H60	100	1.32	166212	2
LLFJ150H60	150	1.50	166312	2
LLFJ200H60	200	1.60	166412	2
LLFJ300H60	300	1.98	166512	2
LLFJ400H60	400	2.40	166540	2

For installation use Screw Sets SGKM6x12 or SGM6x12. Adjustable Vertical Bend is delivered fully assembled together with: 2 Adjustable Vertical Bend Elements 4 parts of the 2-part Angle Connector item, 6 sets of screws

Adjustable Vertical Bend Element

ELJ...



APPLICATION
Diversions in cable routing.
Full-range angle adjustment with a lock.

ELJ...H60

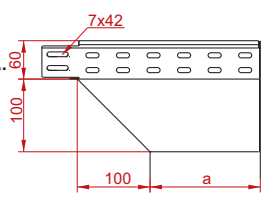
≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
ELJ100H60	100	0.41	167610	4
ELJ150H60	150	0.50	167615	4
ELJ200H60	200	0.58	167620	4
ELJ300H60	300	0.74	167630	4
ELJ400H60	400	0.91	167640	4
ELJ500H60	500	1.07	167650	4
ELJ600H60	600	1.24	167660	4

Used to create vertical bends of any internal radius through adding articulated connectors

Vertical Elbow - Right

KRPFJ...

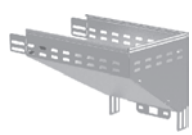


KRPFJ...H60

≠ 1.0 mm

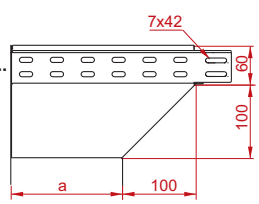
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRPFJ100H60	100	0.77	166712	1
KRPFJ150H60	150	1.16	166812	1
KRPFJ200H60	200	1.54	166912	1
KRPFJ300H60	300	2.32	167012	1
KRPFJ400H60	400	3.14	167070	1

For the assembly use Screw Sets SGKM6x12 or SGM6x12.



Vertical Elbow - Left

KRLFJ...



KRLFJ...H60

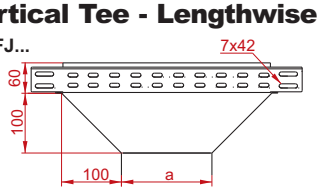
≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRLFJ100H60	100	0.77	167212	1
KRLFJ150H60	150	1.16	167312	1
KRLFJ200H60	200	1.54	167412	1
KRLFJ300H60	300	2.32	167512	1
KRLFJ400H60	400	3.14	167530	1

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

Vertical Tee - Lengthwise

TRFJ...



TRFJ...H60

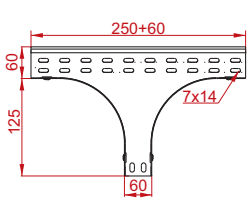
≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRFJ100H60	100	0.95	167712	1
TRFJ150H60	150	1.38	167812	1
TRFJ200H60	200	1.83	167912	1
TRFJ300H60	300	2.77	168012	1
TRFJ400H60	400	3.69	168070	1

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

Vertical Tee - Crosswise

TRSJ...



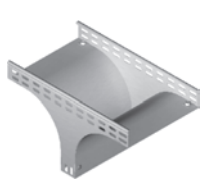
APPLICATION
Diversions in cable routing.

TRSJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRSJ50H60	50	0.71	163723	1
TRSJ100H60	100	0.96	168810	1
TRSJ150H60	150	1.15	168815	1
TRSJ200H60	200	1.33	168820	1
TRSJ300H60	300	1.70	168830	1
TRSJ400H60	400	2.07	168840	1

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LKFJH60.

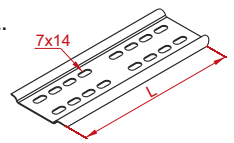


MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Joint Protection Plate

BL/BLO...



BL/BLO...

≠ 1.0 mm

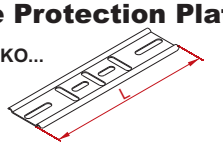
CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
BL/BLO100	96	0.06	100110	100
BL/BLO150	146	0.09	100115	100
BL/BLO200	196	0.13	100120	100
BL/BLO300	296	0.19	100130	100
BL/BLO400	396	0.26	100140	30

It is neccesary to use it to connect Cable Trays 1.5 mm thickness
For connection of the trays should be used:
- Width 100÷200 mm - min. 4 sets of screw
- Width 300÷400 mm - min. 6 sets of screw
- Width 500÷600 mm - min. 10 sets of screw SGKM6x12

APPLICATION
Cable protection against damage while routing.
Additional tray stiffness at the joint.

Edge Protection Plate

BZK/BZKO...



BZK/BZKO...

≠ 1.0 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
BZK/BZKO100	96	0.04	100210	100
BZK/BZKO150	146	0.06	100215	100
BZK/BZKO200	196	0.08	100220	100
BZK/BZKO300	296	0.12	100230	100
BZK/BZKO400	396	0.16	100240	30

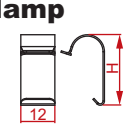
For connection of the trays should be used:
- Width 100÷200 mm - min. 2 sets of screw
- Width 300÷400 mm - min. 3 sets of screw
- Width 500÷600 mm - min. 5 sets of screw SGKM6x12

APPLICATION
Cable protection against damage at tray ends

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Cover Clamp

ZPN

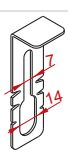


ZPN...

CODE	Height H mm	Catalogue No.	Qty
ZPNH60	29	165000	100

MATERIAL
Electro-galv. steel strip (EG)

ZAP1



ZAP1

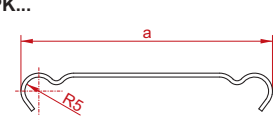
CODE	kg 1 pc	Catalogue No.	Qty
ZAP1	0.04	130900	100

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Prevents the cover from slipping.

Cover

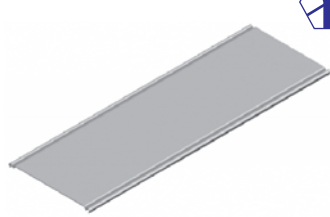
PK...



PKL...

≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PKL100/3	100	3000	0.72	100610	10/30
PKL150/3	150	3000	1.02	100615	6/18
PKL200/3	200	3000	1.32	100620	6/18
PKL300/3	300	3000	1.92	100630	4/12
PKL400/3	400	3000	2.52	100440	4/12



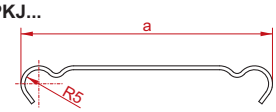
MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

Thickn. (ga) ≠ [mm]: 0.5 0.7 1.0 1.2 1.5 2.0

Cover

PKJ...



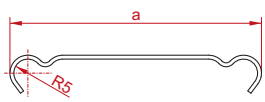
PKJ...

≠ 1.0 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PKJ100/2	100	2000	1.04	100710	10/20
PKJ100/3	100	3000	1.04	100810	10/30
PKJ150/2	150	2000	1.44	100715	6/12
PKJ150/3	150	3000	1.44	100815	6/18
PKJ200/2	200	2000	1.84	100720	6/12
PKJ200/3	200	3000	1.84	100820	6/18
PKJ300/2	300	2000	2.64	100730	4/8
PKJ300/3	300	3000	2.64	100830	4/12
PKJ400/3	400	3000	3.44	100640	4/12

Reinforced cover

PKW...



PKWR...

≠ 0.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PKWR300/2	300	2000	1.25	108030	4/8
PKWR300/3	300	3000	1.25	108130	4/12

PKWL...

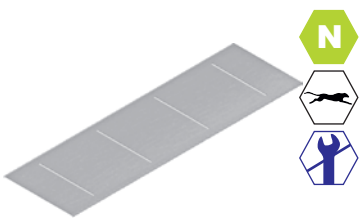
≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PKWL300/2	300	2000	1.92	108230	4/8
PKWL300/3	300	3000	1.92	108331	4/12
PKWL400/2	400	2000	2.52	108241	4/8
PKWL400/3	400	3000	2.52	108341	4/12

PKWJ...

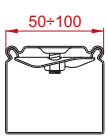
≠ 1.0 mm

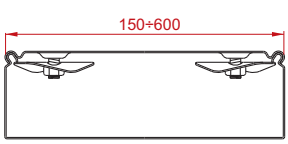
CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
PKWJ300/3	3000	300	2.64	108531	4/12
PKWJ400/3	3000	400	3.44	108541	4/12



Cover with Lock

PZK...





For the lengths of 2 meter – 2 rows of cover locks
For the lengths of 3 meter – 3 rows of cover locks

PZKL...

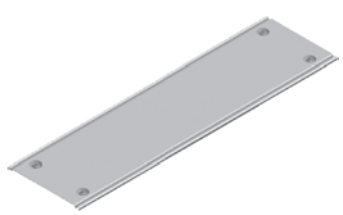
≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PZKL100/2	100	2000	0.77	101510	10/20
PZKL100/3	100	3000	0.77	101610	10/30
PZKL150/2	150	2000	1.07	101515	6/12
PZKL150/3	150	3000	1.07	101615	6/18
PZKL200/2	200	2000	1.37	101520	6/12
PZKL200/3	200	3000	1.37	101620	6/18
PZKL300/2	300	2000	1.97	101530	4/8
PZKL300/3	300	3000	1.97	101630	4/12

PZKJ...

≠ 1.0 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PZKJ100/2	100	2000	1.09	101710	10/20
PZKJ100/3	100	3000	1.09	101810	10/30
PZKJ150/2	150	2000	1.49	101715	6/12
PZKJ150/3	150	3000	1.49	101815	6/18
PZKJ200/2	200	2000	1.89	101720	6/12
PZKJ200/3	200	3000	1.89	101820	6/18
PZKJ300/2	300	2000	2.69	101730	4/8
PZKJ300/3	300	3000	2.69	101830	4/12
PZKJ400/3	400	3000	3.49	101440	4/12



APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Cover Lock

ZAMK...

ZAMK50

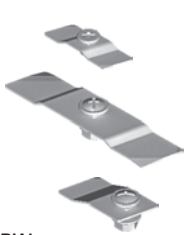
CODE	kg 1 pc.	Catalogue No.	Qty
ZAMK50	0.01	100133	50

ZAMK100

CODE	kg 1 pc.	Catalogue No.	Qty
ZAMK100	0.04	100233	50

ZAMK

CODE	kg 1 pc.	Catalogue No.	Qty
ZAMK	0.03	100333	50



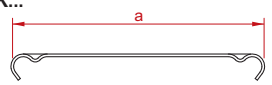
APPLICATION
Prevents the cover from slipping.
For DIY installation in the cover.
ZAMK50 - for covers 50 mm wide.
ZAMK100 - for covers 100 mm wide.
ZAMK - for other covers.

MATERIAL
Steel, hot-dip galvanised
to PN-EN ISO 1461:2011 (HDG)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0 | 3.0

Cover For 90° Horizontal Bend

PKK...

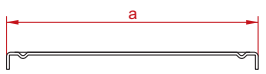


PKKJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKJ50	50	0.08	102405	20
PKKJ100	100	0.16	102410	20
PKKJ150	150	0.28	102415	20
PKKJ200	200	0.45	102420	20
PKKJ300	300	0.90	102430	10
PKKJ400	400	1.50	102440	10

PKKPJ...

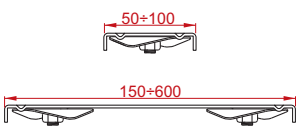


PKKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKPJ100	100	0.16	100213	20
PKKPJ150	150	0.28	100313	20
PKKPJ200	200	0.45	100413	20
PKKPJ300	300	0.90	100513	10
PKKPJ400	400	1.50	100613	10

PZKKPJ...



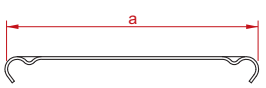
PZKKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZKKPJ100	100	0.16	100214	20
PZKKPJ150	150	0.28	100314	20
PZKKPJ200	200	0.45	100414	20
PZKKPJ300	300	0.90	100514	10
PZKKPJ400	400	1.50	100614	10

Cover For 90° Horizontal Bend

PKKMJ...

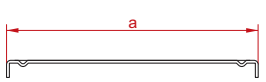


PKKMJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKMJ50	50	0.06	102705	20
PKKMJ100	100	0.11	102710	20
PKKMJ150	150	0.20	102715	20
PKKMJ200	200	0.32	102720	20
PKKMJ300	300	0.65	102730	10
PKKMJ400	400	1.07	102740	10

PKKMPJ...

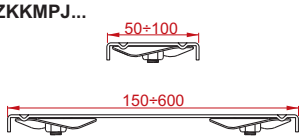


PKKMPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKMPJ100	100	0.11	101813	20
PKKMPJ150	150	0.20	101913	20
PKKMPJ200	200	0.32	102013	20
PKKMPJ300	300	0.65	102113	10
PKKMPJ400	400	1.07	102213	10

PZKKMPJ...



PZKKMPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZKKMPJ100	100	0.11	101814	20
PZKKMPJ150	150	0.20	101914	20
PZKKMPJ200	200	0.32	102014	20
PZKKMPJ300	300	0.65	102114	10
PZKKMPJ400	400	1.07	102214	10

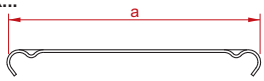
APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0 | 3.0

Cover For Horizontal Tee

PTK...

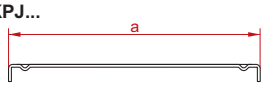


PTKJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
PTKJ50	50	0,10	103005	20
PTKJ100	100	0.20	103010	20
PTKJ150	150	0.35	103015	20
PTKJ200	200	0.54	103020	20
PTKJ300	300	1.00	103030	10
PTKJ400	400	1.64	103040	10

PTKPJ...

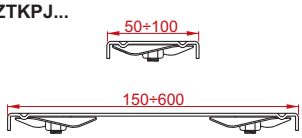


PTKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTKPJ100	100	0.20	103413	20
PTKPJ150	150	0.35	103513	20
PTKPJ200	200	0.54	103613	20
PTKPJ300	300	1.00	103713	10
PTKPJ400	400	1.64	103813	10

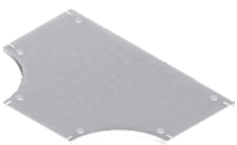
PZTKPJ...



PZTKPJ...

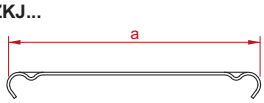
≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZTKPJ100	100	0.20	103414	20
PZTKPJ150	150	0.35	103514	20
PZTKPJ200	200	0.54	103614	20
PZTKPJ300	300	1.00	103714	10
PZTKPJ400	400	1.64	103814	10



Cover For Cross-over

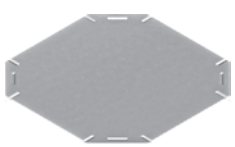
PCZKJ...



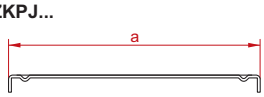
PCZKJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
PCZKJ50	50	0.11	103305	20
PCZKJ100	100	0.25	103310	20
PCZKJ150	150	0.41	103315	20
PCZKJ200	200	0.60	103320	20
PCZKJ300	300	1.12	103330	10
PCZKJ400	400	1.76	103340	10



PCZKPJ...

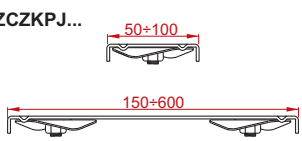


PCZKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PCZKPJ100	100	0.25	106613	20
PCZKPJ150	150	0.41	106713	20
PCZKPJ200	200	0.60	106813	20
PCZKPJ300	300	1.12	106913	10
PCZKPJ400	400	1.76	107013	10

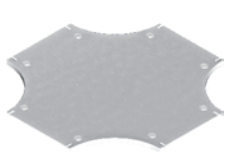
PZCZKPJ...



PZCZKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZCZKPJ100	100	0.25	105014	20
PZCZKPJ150	150	0.41	105114	20
PZCZKPJ200	200	0.60	105214	20
PZCZKPJ300	300	1.12	105314	10
PZCZKPJ400	400	1.76	105414	10



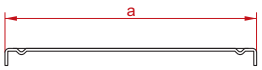
APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0 | 3.0

Cover For Add-on Tee

PTKDJ...



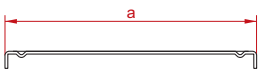
PTKDJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTKDJ50	50	0.10	104913	20
PTKDJ100	100	0.20	105013	20
PTKDJ150	150	0.35	105113	20
PTKDJ200	200	0.54	105213	20
PTKDJ300	300	1.00	105313	10
PTKDJ400	400	1.50	105413	10

Cover For Left Reducer

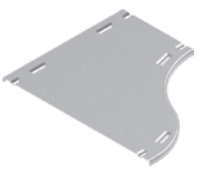
PRKLFJ...



PRKLFJ...

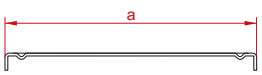
≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKLFJ150/100	150	100	0.13	168212	10
PRKLFJ200/100	200	100	0.15	168312	10
PRKLFJ200/150	200	150	0.17	168412	10
PRKLFJ300/200	300	200	0.23	168512	10
PRKLFJ400/300	400	300	0.30	169913	10



Cover For Right Reducer

PRKPFJ...



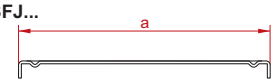
PRKPFJ...

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKPFJ150/100	150	100	0.13	168712	10
PRKPFJ200/100	200	100	0.15	168812	10
PRKPFJ200/150	200	150	0.17	168912	10
PRKPFJ300/200	300	200	0.23	169012	10
PRKPFJ400/300	400	300	0.30	169923	10

Cover For Straight Reducer

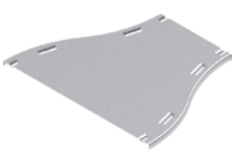
PRKSFJ...



PRKSFJ...

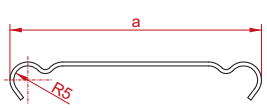
≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKSFJ150/100	150	100	0.13	169212	10
PRKSFJ200/100	200	100	0.15	169312	10
PRKSFJ200/150	200	150	0.17	169412	10
PRKSFJ300/200	300	200	0.23	169812	10
PRKSFJ400/300	400	300	0.30	169933	10



Cover For Vertical Tee - Lengthwise

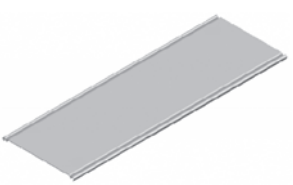
PTRJ...



PTRJ...

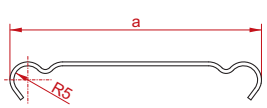
≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTRJ50	50	0.09	103605	20
PTRJ100	100	0.19	103610	20
PTRJ150	150	0.34	103615	20
PTRJ200	200	0.52	103620	20
PTRJ300	300	1.08	103630	10
PTRJ400	400	1.76	103640	10



Cover For Vertical Tee - Crosswise

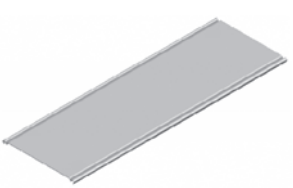
PTRSJ...



PTRSJ...

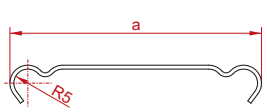
≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTRSJ50	50	0.22	103905	20
PTRSJ100	100	0.36	103910	20
PTRSJ150	150	0.50	103915	20
PTRSJ200	200	0.64	103920	20
PTRSJ300	300	0.92	103930	10
PTRSJ400	400	1.20	103940	10



Cover For Vertical Elbow

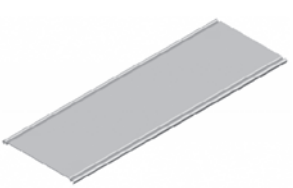
PKRJ...



PKRJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKRJ50	50	0.07	104205	20
PKRJ100	100	0.16	104210	20
PKRJ150	150	0.30	104215	20
PKRJ200	200	0.48	104220	20
PKRJ300	300	1.02	104230	10
PKRJ400	400	1.68	104240	10



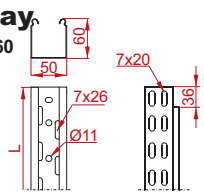
APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cable Tray

KG.../KC...50H60

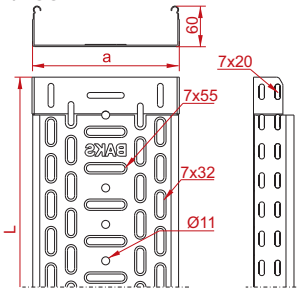


KGL/KCL50H60

≠ 0.7 mm

CODE	Length L mm	kg 1 m	Catalogue No.	Qty/m
KGL/KCL50H60/3	3000	0.98	160424	12/36

KG.../KGO...



Max. safe load: 20 kg/m
Max. spacing of supports: 1.5 m

KGL/KGOL...H60

≠ 0.7 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KGL/KGOL100H60/3	3000	100	1.18	160116	6/18
KGL/KGOL150H60/3	3000	150	1.43	160216	6/18
KGL/KGOL200H60/3	3000	200	1.68	160316	6/18
KGL/KGOL300H60/3	3000	300	2.18	160416	4/12

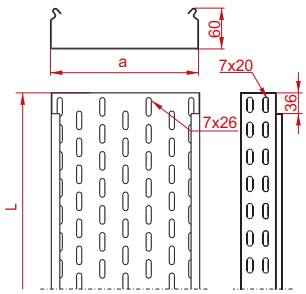
KGJ/KGOJ...H60

≠ 1.0 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KGJ/KGOJ100H60/3	3000	100	1.63	160816	6/18
KGJ/KGOJ150H60/3	3000	150	1.98	160916	6/18
KGJ/KGOJ200H60/3	3000	200	2.28	161016	6/18
KGJ/KGOJ300H60/3	3000	300	2.96	161116	4/12
KGJ/KGOJ400H60/3	3000	400	3.65	161216	4/12

Connecting cable trays by sliding-in and screwing together

KC.../KCO...



Max. safe load: 20 kg/m
Max. spacing of supports: 1.5 m

KCL/KCOL...H60

≠ 0.7 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCL/KCOL100H60/3	3000	100	1.18	160810	6/18
KCL/KCOL150H60/3	3000	150	1.43	160815	6/18
KCL/KCOL200H60/3	3000	200	1.68	160820	6/18
KCL/KCOL300H60/3	3000	300	2.18	160830	4/12

KCJ/KCOJ...H60

≠ 1.0 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCJ/KCOJ100H60/3	3000	100	1.63	161010	6/18
KCJ/KCOJ150H60/3	3000	150	1.98	161015	6/18
KCJ/KCOJ200H60/3	3000	200	2.28	161020	4/12
KCJ/KCOJ300H60/3	3000	300	2.96	161030	4/12
KCJ/KCOJ400H60/3	3000	400	3.65	160440	2/6

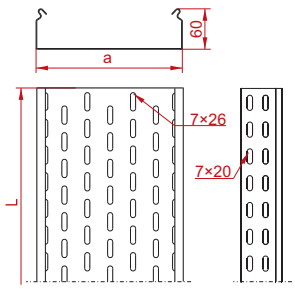
KCD/KCOD...H60

≠ 1.2 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCD/KCOD100H60/3	3000	100	2.07	161210	6/18
KCD/KCOD150H60/3	3000	150	2.49	161215	6/18
KCD/KCOD200H60/3	3000	200	2.90	161220	4/12
KCD/KCOD300H60/3	3000	300	3.33	161230	4/12
KCD/KCOD400H60/3	3000	400	3.73	160640	2/6

Connecting cable trays by sliding-in and screwing together

KCP/KCOP...

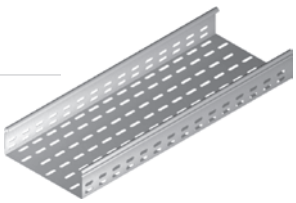


KCP/KCOP...H60

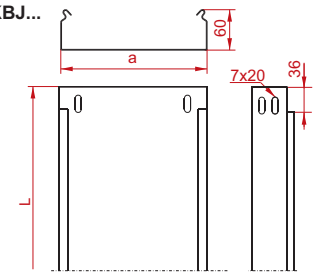
≠ 1.5 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCP/KCOP100H60/3	3000	100	2.49	161410	6/18
KCP/KCOP150H60/3	3000	150	2.99	161415	6/18
KCP/KCOP200H60/3	3000	200	3.48	161420	4/12
KCP/KCOP300H60/3	3000	300	4.48	161430	4/12
KCP/KCOP400H60/3	3000	400	5.48	160840	2/6
KCP/KCOP500H60/3	3000	500	6.48	160850	2/6
KCP/KCOP600H60/3	3000	600	7.47	160860	2/6

Connecting cable trays only with connectors



KBJ...



Max. safe load: 20 kg/m
Max. spacing of supports: 1.5 m

APPLICATION
Cable routing

KBL...H60

≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KBL100H60/3	100	3000	1.44	162010	6/18
KBL150H60/3	150	3000	1.74	162015	6/18
KBL200H60/3	200	3000	2.04	162020	6/18
KBL300H60/3	300	3000	2.64	162030	4/12

KBJ...H60

≠ 1.0 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KBJ100H60/3	3000	100	2.00	162210	6/18
KBJ150H60/3	3000	150	2.40	162215	6/18
KBJ200H60/3	3000	200	2.80	162220	6/18
KBJ300H60/3	3000	300	3.60	162230	4/12
KBJ400H60/3	3000	400	4.40	161640	2/6

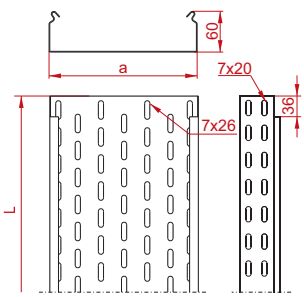
Connecting cable trays by sliding-in and screwing together

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
L- powder coating in a full range of colours (PC) (info p .4)

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cable Tray

KC.../KCO...E



KCL/KCOL...H60E

≠ 0.7 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCL/KCOL100H60/3E	3000	100	1.18	867911	6/18
KCL/KCOL150H60/3E	3000	150	1.43	861916	6/18
KCL/KCOL200H60/3E	3000	200	1.68	861921	6/18
KCL/KCOL300H60/3E	3000	300	2.18	861931	4/12

KCJ/KCOJ...H60E

≠ 1.0 mm

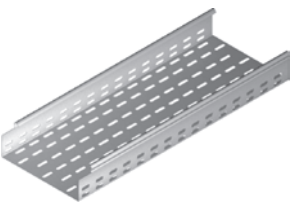
CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCJ/KCOJ100H60/3E	3000	100	1.63	861910	6/18
KCJ/KCOJ150H60/3E	3000	150	1.98	861915	6/18
KCJ/KCOJ200H60/3E	3000	200	2.28	861920	4/12
KCJ/KCOJ300H60/3E	3000	300	2.96	861930	4/12
KCJ/KCOJ400H60/3E	3000	400	3.65	861940	2/6

KCD/KCOD...H60E

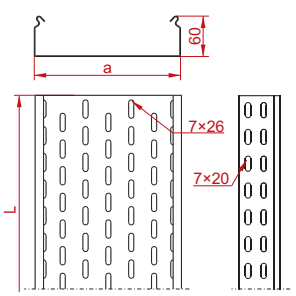
≠ 1.2 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCD/KCOD100H60/3E	3000	100	2.07	861912	6/18
KCD/KCOD150H60/3E	3000	150	2.49	861917	6/18
KCD/KCOD200H60/3E	3000	200	2.90	861922	4/12
KCD/KCOD300H60/3E	3000	300	3.33	861932	4/12
KCD/KCOD400H60/3E	3000	400	3.73	861933	2/6

Connecting cable trays by sliding-in and screwing together



KCP/KCOP...E

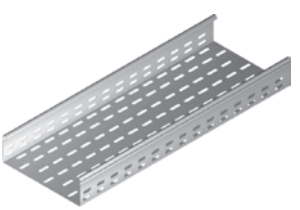


KCP/KCOP...H60E

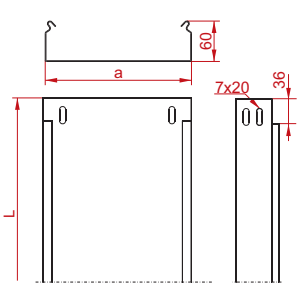
≠ 1.5 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCP/KCOP100H60/3E	3000	100	2.49	861010	6/18
KCP/KCOP150H60/3E	3000	150	2.99	861015	6/18
KCP/KCOP200H60/3E	3000	200	3.48	861020	4/12
KCP/KCOP300H60/3E	3000	300	4.48	861030	4/12
KCP/KCOP400H60/3E	3000	400	5.48	861040	2/6
KCP/KCOP500H60/3E	3000	500	6.48	861050	2/6
KCP/KCOP600H60/3E	3000	600	7.47	861060	2/6

Connecting cable trays only with connectors



KBJ...E



KBL...H60E

≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KBL100H60/3E	100	3000	1.44	163913	6/18
KBL150H60/3E	150	3000	1.74	164013	6/18
KBL200H60/3E	200	3000	2.04	164113	6/18
KBL300H60/3E	300	3000	2.64	164213	4/12

KBJ...H60E

≠ 1.0 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KBJ100H60/3E	3000	100	2.00	164713	6/18
KBJ150H60/3E	3000	150	2.40	164813	6/18
KBJ200H60/3E	3000	200	2.80	164913	4/12
KBJ300H60/3E	3000	300	3.60	165013	4/12
KBJ400H60/3E	3000	400	4.40	165113	2/6

Connecting cable trays by sliding-in and screwing together

APPLICATION
Cable routing

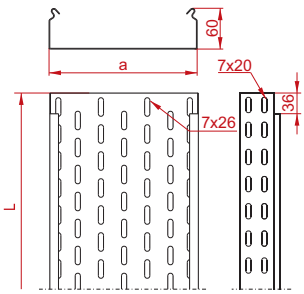
Max. safe load: 20 kg/m
Max. spacing of supports: 1.5 m

MATERIAL
Stainless steel PN-EN 10088
Available finishes:
L- powder coating in a full range of colours (PC) (info p .4)

Thickn. (ga) ≠ [mm]: 0.7 1.0 1.2 1.5 2.0

Cable Tray

KC.../KCO...F



KCJ/KCOJ...H60F

≠ 1.0 mm

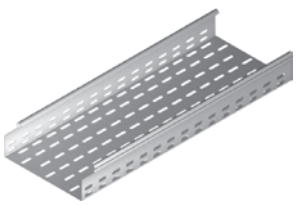
CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCJ/KCOJ100H60/3F	3000	100	1.63	169611	6/18
KCJ/KCOJ150H60/3F	3000	150	1.98	169616	6/18
KCJ/KCOJ200H60/3F	3000	200	2.28	169621	4/12
KCJ/KCOJ300H60/3F	3000	300	2.96	169631	4/12
KCJ/KCOJ400H60/3F	3000	400	3.65	169641	2/6

KCD/KCOD...H60F

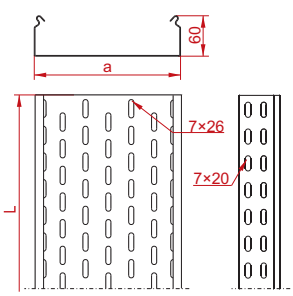
≠ 1.2 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCD/KCOD100H60/3F	3000	100	2.07	169111	6/18
KCD/KCOD150H60/3F	3000	150	2.49	169114	6/18
KCD/KCOD200H60/3F	3000	200	2.90	169121	4/12
KCD/KCOD300H60/3F	3000	300	3.33	169131	4/12
KCD/KCOD400H60/3F	3000	400	3.73	169141	2/6

Connecting cable trays by sliding-in and screwing together



KCP/KCOP...F



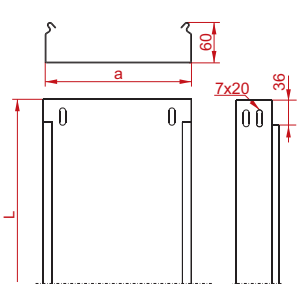
KCP/KCOP...H60F

≠ 1.5 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KCP/KCOP100H60/3F	3000	100	2.49	169311	6/18
KCP/KCOP150H60/3F	3000	150	2.99	169314	6/18
KCP/KCOP200H60/3F	3000	200	3.48	169321	4/12
KCP/KCOP300H60/3F	3000	300	4.48	169331	4/12
KCP/KCOP400H60/3F	3000	400	5.48	169341	2/6
KCP/KCOP500H60/3F	3000	500	6.48	169351	2/6
KCP/KCOP600H60/3F	3000	600	7.47	169361	2/6

Connecting cable trays only with connectors

KBJ...F



KBJ...H60F

≠ 1.0 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
KBJ100H60/3F	3000	100	2.00	169211	6/18
KBJ150H60/3F	3000	150	2.40	169214	6/18
KBJ200H60/3F	3000	200	2.80	169221	4/12
KBJ300H60/3F	3000	300	3.60	169231	4/12
KBJ400H60/3F	3000	400	4.40	169241	2/6

Connecting cable trays by sliding-in and screwing together

APPLICATION
Cable routing

Max. safe load: 20 kg/m
Max. spacing of supports: 1.5 m

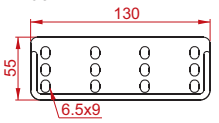
MATERIAL
Steel, hot-dip galvanised
to PN-EN ISO 1461:2011 (HDG)
Available finishes:
L- powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Connector

LPP/LPOPH60



LPP/LPOPH60

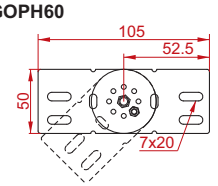
≠ 1.5 mm

CODE	kg 1 pc	Catalogue No.	Qty
LPP/LPOPH60	0.09	163111	100

For the assembly use min. 4 sets of Screw SGKM6x12

Articulated Connector

LGP/LGOPH60



LGP/LGOPH60

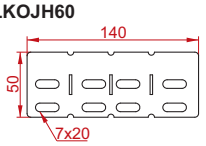
≠ 1.5 mm

CODE	kg 1 pc	Catalogue No.	Qty
LGP/LGOPH60	0.14	162100	100

For the assembly use min. 4 sets of Screw SGKM6x12

Angle Connector

LKJ/LKOJH60



APPLICATION
Joining cable tray sections

LKJ/LKOJH60

≠ 1.0 mm

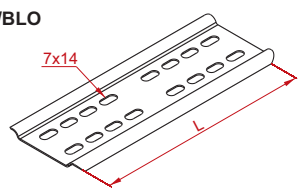
CODE	kg 1 pc	Catalogue No.	Qty
LKJ/LKOJH60	0.03	162500	100

For the assembly use min. 4 sets of Screw SGKM6x12

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Joint Protection Plate

BL/BLO



APPLICATION
Protecting cables against damage when pulling them. Additionally stiffened joint area in the cable tray.

BL/BLO...

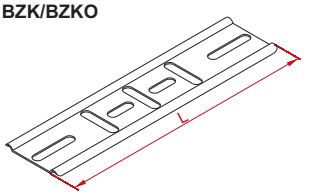
≠ 1.0 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
BL/BLO100	96	0.06	100110	100
BL/BLO150	146	0.09	100115	100
BL/BLO200	196	0.13	100120	100
BL/BLO300	296	0.19	100130	100
BL/BLO400	396	0.26	100140	30
BL/BLO500	496	0.32	100150	30
BL/BLO600	596	0.39	100160	30

Necessary to use for joining cable trays.
For the assembly use:
- Width 100÷200 mm - min. 4 sets of Screw
- Width 300÷400 mm - min. 6 sets of Screw
- Width 500÷600 mm - min. 10 sets of Screw SGKM6x12

Edge Protection Plate

BZK/BZKO



APPLICATION
Protecting cables against damage in the cable tray end.

BZK/BZKO...

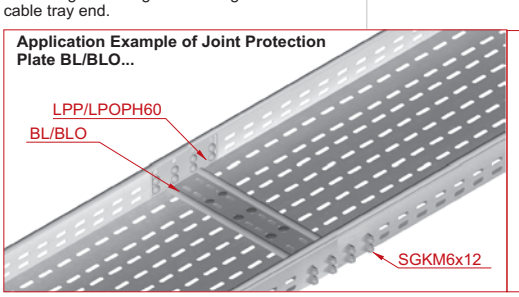
≠ 1.0 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
BZK/BZKO100	96	0.04	100210	100
BZK/BZKO150	146	0.06	100215	100
BZK/BZKO200	196	0.08	100220	100
BZK/BZKO300	296	0.12	100230	100
BZK/BZKO400	396	0.16	100240	30
BZK/BZKO500	496	0.19	100250	30
BZK/BZKO600	596	0.23	100260	30

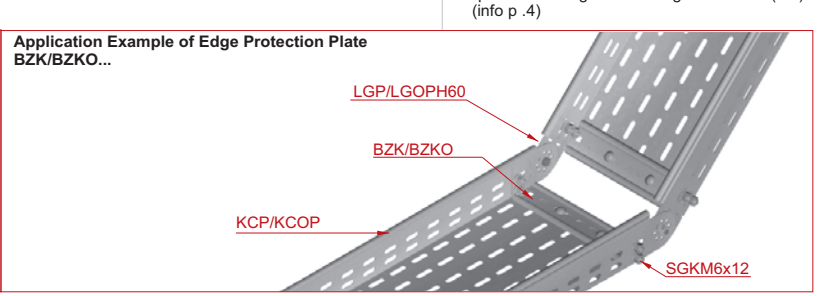
For the assembly use:
- Width 100÷200 mm - min. 2 sets of Screw
- Width 300÷400 mm - min. 3 sets of Screw
- Width 500÷600 mm - min. 5 sets of Screw SGKM6x12

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Application Example of Joint Protection Plate BL/BLO...



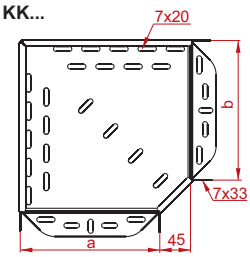
Application Example of Edge Protection Plate BZK/BZKO...



Thickn. (ga) ≠ [mm]: 0.7 1.0 1.2 1.5 2.0

90° Horizontal Bend

KK...



KKJ...H60

≠ 1.0 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
KKJ50H60	50	0.22	162724	20
KKJ100H60	100	0.41	166210	20
KKJ150H60	150	0.58	166215	10
KKJ200H60	200	0.79	166220	10
KKJ300H60	300	1.30	166230	10
KKJ400H60	400	2.20	166240	10

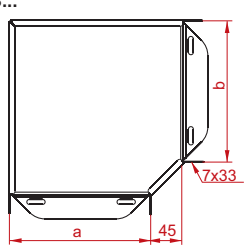
KKP...H60

≠ 1.5 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
KKP50H60	50	0.33	162824	20
KKP100H60	100	0.62	162810	20
KKP150H60	150	0.88	162815	10
KKP200H60	200	1.26	162820	10
KKP300H60	300	2.19	162830	10
KKP400H60	400	3.30	162840	10
KKP500H60	500	4.42	162850	10
KKP600H60	600	5.89	162860	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

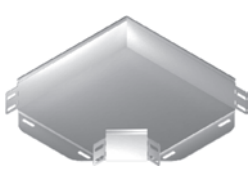
KKB...



KKBJ...H60

≠ 1.0 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
KKBJ50H60	50	0.22	162924	20
KKBJ100H60	100	0.41	160101	20
KKBJ150H60	150	0.58	160201	10
KKBJ200H60	200	0.79	160301	10
KKBJ300H60	300	1.30	160501	10
KKBJ400H60	400	2.20	160601	10



KKBP...H60

≠ 1.5 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
KKBP50H60	50	0.33	163024	20
KKBP100H60	100	0.62	160102	20
KKBP150H60	150	0.88	160202	10
KKBP200H60	200	1.26	160302	10
KKBP300H60	300	2.19	160502	10
KKBP400H60	400	3.30	160602	10
KKBP500H60	500	4.42	160702	10
KKBP600H60	600	5.89	160802	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

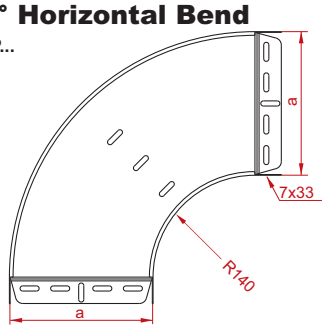
APPLICATION
Diversions in cable routing.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

90° Horizontal Bend

KKP...



KKPJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKPJ50H60	50	0.41	163124	20
KKPJ100H60	100	0.60	160114	10
KKPJ150H60	150	0.82	160214	10
KKPJ200H60	200	1.07	160314	10
KKPJ300H60	300	1.66	160414	10
KKPJ400H60	400	2.29	160514	10

KKPP/KKPOP...H60

≠ 1.5 mm

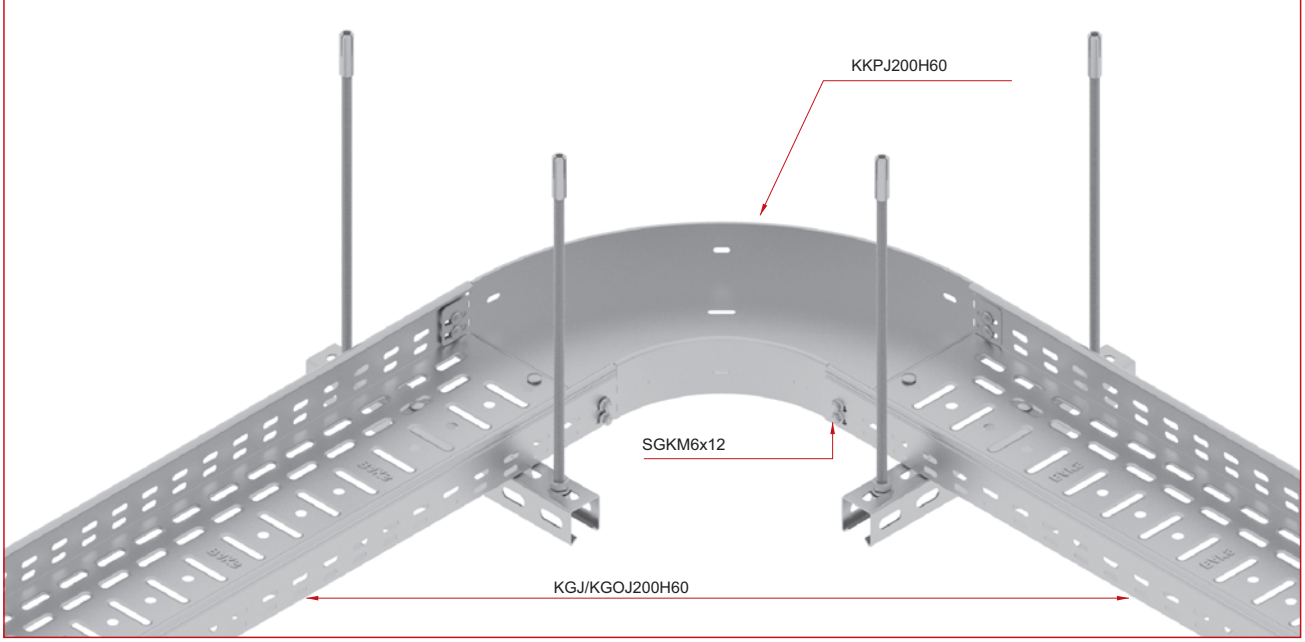
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKPP/KKPOP50H60	50	0.62	163224	20
KKPP/KKPOP100H60	100	0.90	160814	10
KKPP/KKPOP150H60	150	1.23	160914	10
KKPP/KKPOP200H60	200	1.60	161014	10
KKPP/KKPOP300H60	300	2.48	161114	10
KKPP/KKPOP400H60	400	3.44	161214	10
KKPP/KKPOP500H60	500	4.81	161314	10
KKPP/KKPOP600H60	600	6.24	161414	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Diversions in cable routing.

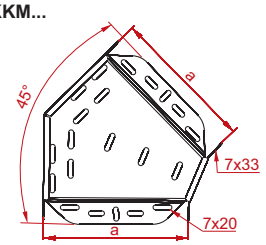
Application Example of KKPJ...



Thickn. (ga) ≠ [mm]: 0.5 0.7 1.0 1.2 1.5 2.0

45° Horizontal Bend

KKM...



KKMJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKMJ50H60	50	0.16	163324	20
KKMJ100H60	100	0.29	168902	20
KKMJ150H60	150	0.41	169002	10
KKMJ200H60	200	0.55	169102	10
KKMJ300H60	300	0.91	169302	10
KKMJ400H60	400	1.54	169402	10

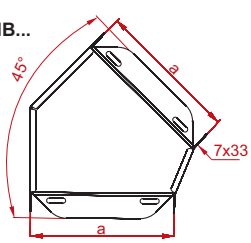
KKMP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKMP50H60	50	0.24	163424	20
KKMP100H60	100	0.43	163010	20
KKMP150H60	150	0.62	163015	10
KKMP200H60	200	0.88	163020	10
KKMP300H60	300	1.53	163030	10
KKMP400H60	400	2.31	163040	10
KKMP500H60	500	3.10	163050	10
KKMP600H60	600	4.12	163060	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

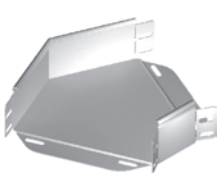
KKMB...



KKMBJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKMBJ50H60	50	0.16	163524	20
KKMBJ100H60	100	0.29	160103	20
KKMBJ150H60	150	0.41	160203	10
KKMBJ200H60	200	0.55	160303	10
KKMBJ300H60	300	0.91	160503	10
KKMBJ400H60	400	1.54	160603	10



KKMBP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKMBP50H60	50	0.24	163624	20
KKMBP100H60	100	0.43	160104	20
KKMBP150H60	150	0.62	160204	10
KKMBP200H60	200	0.88	160304	10
KKMBP300H60	300	1.53	160504	10
KKMBP400H60	400	2.31	160604	10
KKMBP500H60	500	3.10	160704	10
KKMBP600H60	600	4.12	160804	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

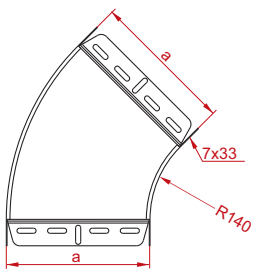
APPLICATION
Diversions in cable routing.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

45° Horizontal Bend

KKMP...



KKMPJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKMPJ50H60	50	0.22	163724	20
KKMPJ100H60	100	0.34	161514	10
KKMPJ150H60	150	0.46	161614	10
KKMPJ200H60	200	0.60	161714	10
KKMPJ300H60	300	0.91	161814	10
KKMPJ400H60	400	1.29	161914	10

KKMPP/KKMPOP...H60

≠ 1.5 mm

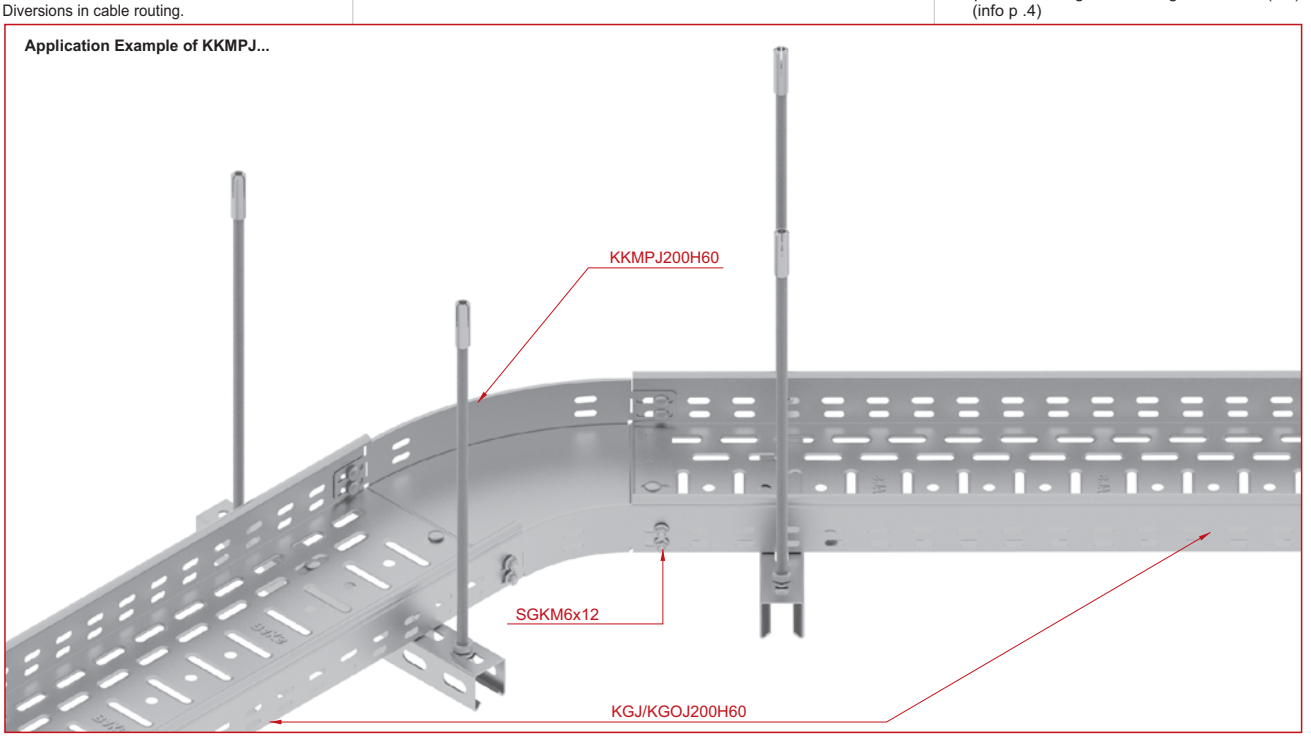
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKMPP/KKMPOP50H60	50	0.33	163824	20
KKMPP/KKMPOP100H60	100	0.51	162214	10
KKMPP/KKMPOP150H60	150	0.69	162314	10
KKMPP/KKMPOP200H60	200	0.89	162414	10
KKMPP/KKMPOP300H60	300	1.36	162514	10
KKMPP/KKMPOP400H60	400	1.93	162614	10
KKMPP/KKMPOP500H60	500	2.58	162714	10
KKMPP/KKMPOP600H60	600	3.33	162814	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Diversions in cable routing.

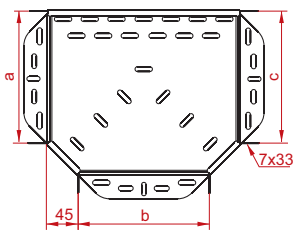
Application Example of KKMPJ...



Thickn. (ga) ≠ [mm]: 0.5 0.7 1.0 1.2 1.5 2.0

Horizontal Tee

TK...



TKJ...H60

≠ 1.0 mm

CODE	Width a=b=c mm	kg 1 pc.	Catalogue No.	Qty
TKJ50H60	50	0.28	163924	20
TKJ100H60	100	0.45	166610	20
TKJ150H60	150	0.64	166615	10
TKJ200H60	200	0.90	166620	10
TKJ300H60	300	1.49	166630	10
TKJ400H60	400	2.26	166640	10

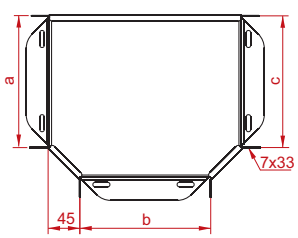
TKP...H60

≠ 1.5 mm

CODE	Width a=b=c mm	kg 1 pc.	Catalogue No.	Qty
TKP50H60	50	0.42	164024	20
TKP100H60	100	0.68	163210	20
TKP150H60	150	0.96	163215	10
TKP200H60	200	1.35	163220	10
TKP300H60	300	2.24	163230	10
TKP400H60	400	3.39	163240	10
TKP500H60	500	4.66	163250	10
TKP600H60	600	5.95	163260	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a, b and c.

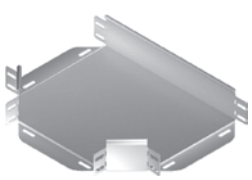
TKB...



TKBJ...H60

≠ 1.0 mm

CODE	Width a=b=c mm	kg 1 pc.	Catalogue No.	Qty
TKBJ50H60	50	0.28	164124	20
TKBJ100H60	100	0.45	160901	20
TKBJ150H60	150	0.64	161001	20
TKBJ200H60	200	0.90	161101	20
TKBJ300H60	300	1.49	161301	20
TKBJ400H60	400	2.26	161401	20



TKBP...H60

≠ 1.5 mm

CODE	Width a=b=c mm	kg 1 pc.	Catalogue No.	Qty
TKBP50H60	50	0.42	164224	20
TKBP100H60	100	0.68	160902	20
TKBP150H60	150	0.96	161002	20
TKBP200H60	200	1.35	161102	20
TKBP300H60	300	2.24	161302	20
TKBP400H60	400	3.39	161402	20
TKBP500H60	500	4.66	161502	20
TKBP600H60	600	5.95	161602	20

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a, b and c.

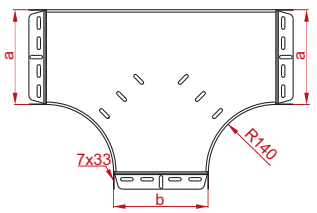
APPLICATION
Branching out cable routes.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Horizontal Tee

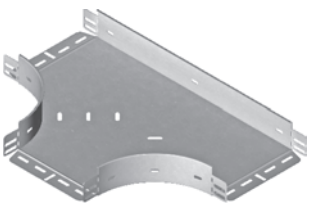
TKP...



TKPJ...H60

≠ 1.0 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
TKPJ50H60	50	0.53	164324	20
TKPJ100H60	100	0.98	162914	20
TKPJ150H60	150	1.30	163014	20
TKPJ200H60	200	1.65	163114	20
TKPJ300H60	300	2.47	163214	20
TKPJ400H60	400	3.45	163314	20



TKPP/TKPOP...H60

≠ 1.5 mm

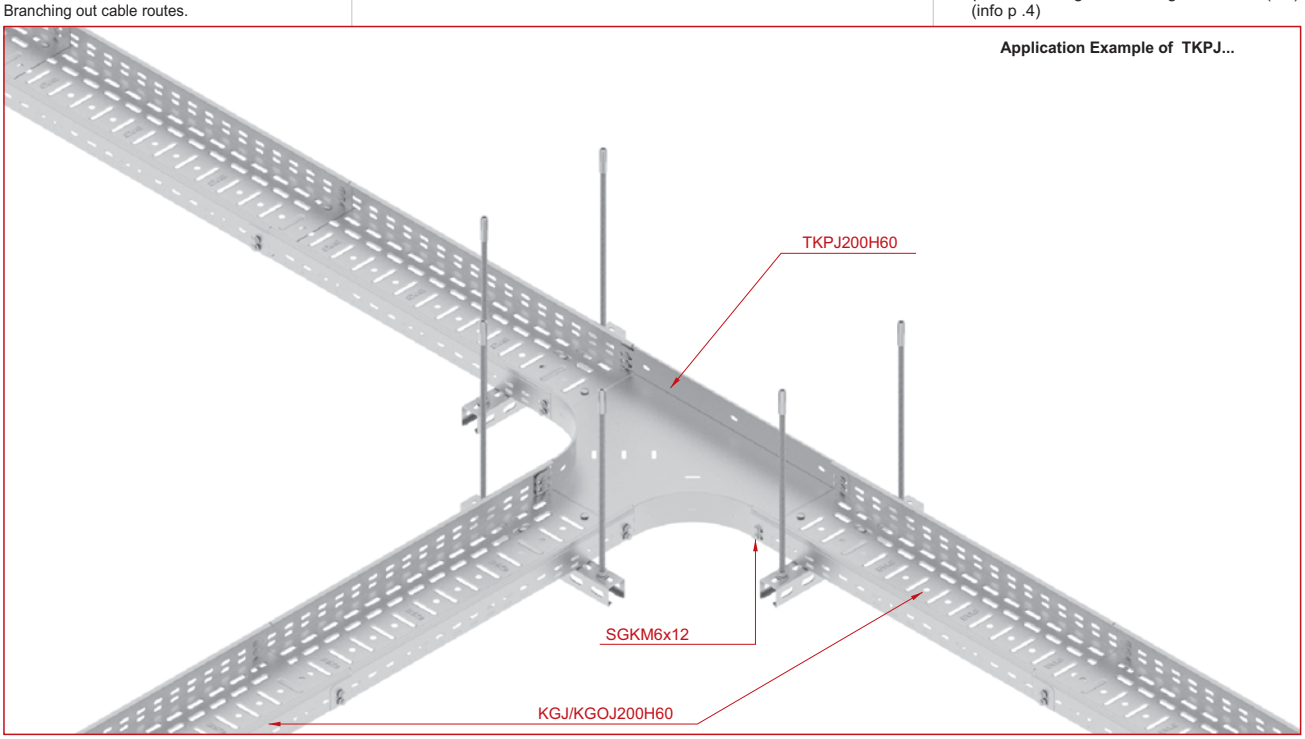
CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
TKPP/TKPOP50H60	50	0.99	164424	20
TKPP/TKPOP100H60	100	1.48	163614	20
TKPP/TKPOP150H60	150	1.95	163714	20
TKPP/TKPOP200H60	200	2.48	163814	20
TKPP/TKPOP300H60	300	3.71	163914	20
TKPP/TKPOP400H60	400	5.18	164014	20
TKPP/TKPOP500H60	500	6.88	164114	20
TKPP/TKPOP600H60	600	8.82	164214	20

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Branching out cable routes.

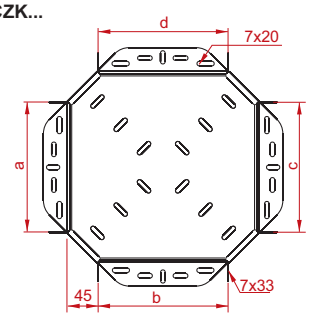
Application Example of TKPJ...



Thickn. (ga) ≠ [mm]: 0.5 0.7 1.0 1.2 1.5 2.0

Horizontal Cross-over

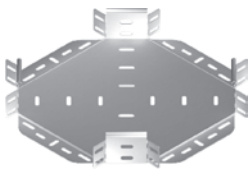
CZK...



CZKJ...H60

≠ 1.0 mm

CODE	Width a=b=c=d mm	kg 1 pc.	Catalogue No.	Qty
CZKJ50H60	50	0.33	164524	20
CZKJ100H60	100	0.48	166810	20
CZKJ150H60	150	0.67	166815	10
CZKJ200H60	200	0.96	166820	10
CZKJ300H60	300	1.49	166830	10
CZKJ400H60	400	2.28	166840	10



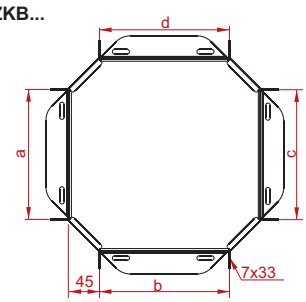
CZKP...H60

≠ 1.5 mm

CODE	Width a=b=c=d mm	kg 1 pc.	Catalogue No.	Qty
CZKP50H60	50	0.50	164624	20
CZKP100H60	100	0.72	163410	20
CZKP150H60	150	1.01	163415	10
CZKP200H60	200	1.44	163420	10
CZKP300H60	300	2.24	163430	10
CZKP400H60	400	3.44	163440	10
CZKP500H60	500	4.93	163450	10
CZKP600H60	600	5.99	163460	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a, b, c and d

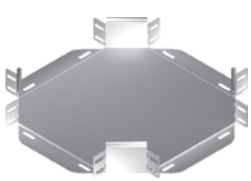
CZKB...



CZKBJ...H60

≠ 1.0 mm

CODE	Width a=b=c=d mm	kg 1 pc.	Catalogue No.	Qty
CZKBJ50H60	50	0.33	164724	20
CZKBJ100H60	100	0.48	160903	20
CZKBJ150H60	150	0.67	161003	10
CZKBJ200H60	200	0.96	161103	10
CZKBJ300H60	300	1.49	161303	10
CZKBJ400H60	400	2.28	161403	10



CZKBP...H60

≠ 1.5 mm

CODE	Width a=b=c=d mm	kg 1 pc.	Catalogue No.	Qty
CZKBP50H60	50	0.50	164824	20
CZKBP100H60	100	0.72	160904	20
CZKBP150H60	150	1.01	161004	10
CZKBP200H60	200	1.44	161104	10
CZKBP300H60	300	2.24	161304	10
CZKBP400H60	400	3.44	161404	10
CZKBP500H60	500	4.93	161504	10
CZKBP600H60	600	5.99	161604	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a, b, c and d

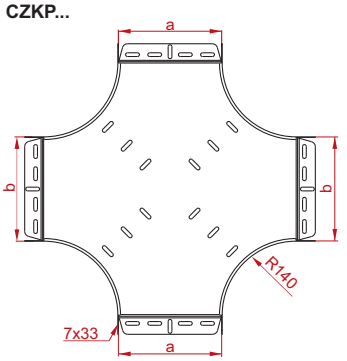
APPLICATION
Branching out cable routes.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Horizontal Cross-over

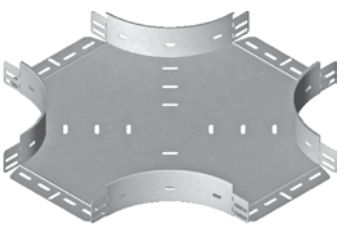
CZKP...



CZKPJ...H60

≠ 1.0 mm

CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
CZKPJ50H60	50	0.66	164924	20
CZKPJ100H60	100	1.23	164314	10
CZKPJ150H60	150	1.58	164414	10
CZKPJ200H60	200	1.98	164514	10
CZKPJ300H60	300	2.88	164614	10
CZKPJ400H60	400	3.94	164714	10



CZKPP/CZKPOP...H60

≠ 1.5 mm

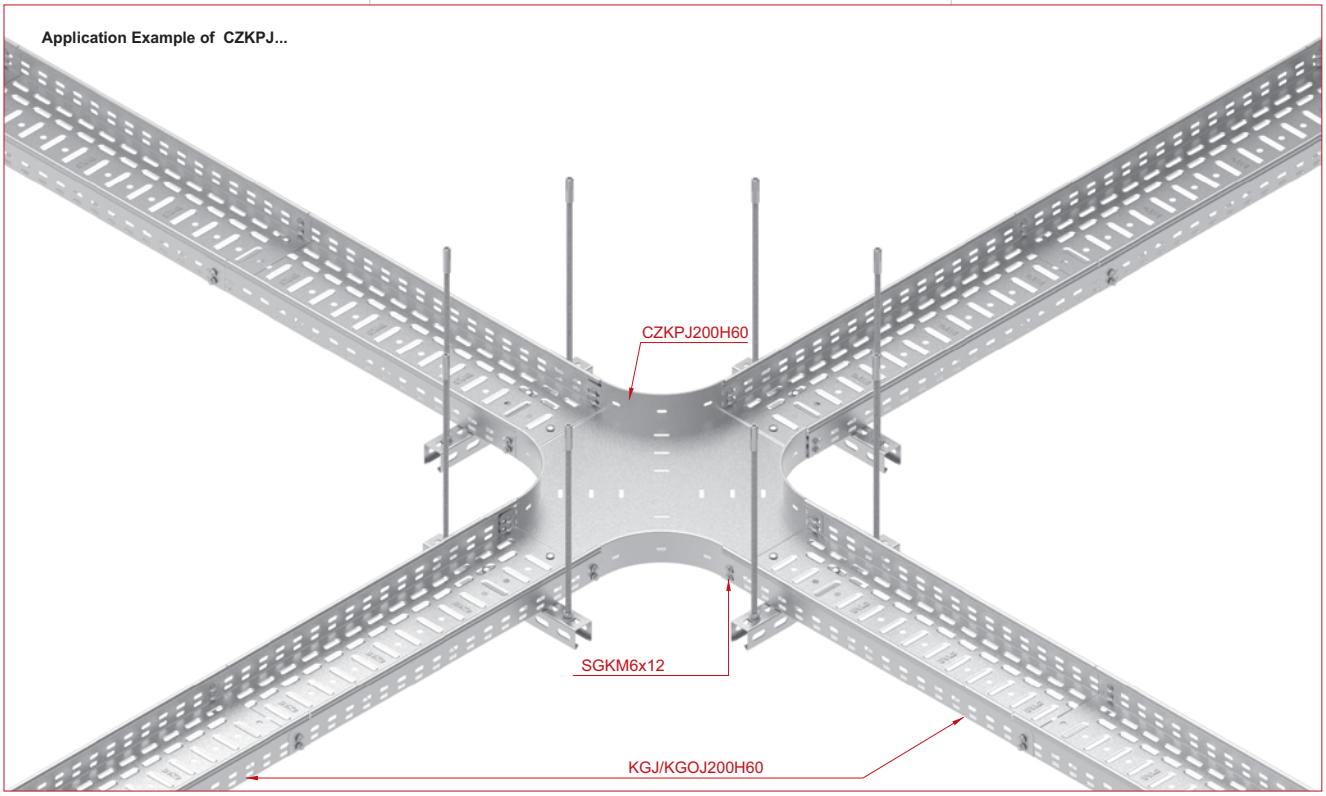
CODE	Width a=b mm	kg 1 pc.	Catalogue No.	Qty
CZKPP/CZKPOP50H60	50	0.80	165024	20
CZKPP/CZKPOP100H60	100	1.84	165014	10
CZKPP/CZKPOP150H60	150	2.38	165114	10
CZKPP/CZKPOP200H60	200	2.97	165214	10
CZKPP/CZKPOP300H60	300	4.32	165314	10
CZKPP/CZKPOP400H60	400	5.92	165414	10
CZKPP/CZKPOP500H60	500	7.74	165514	10
CZKPP/CZKPOP600H60	600	9.80	165614	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Branching out cable routes.

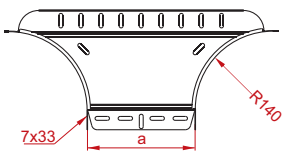
Application Example of CZKPJ...



Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Add-on Tee

TKD...



TKDJ...H60

≠ 1.0 mm

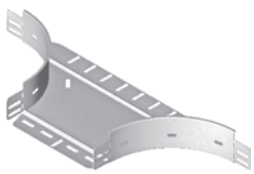
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TKDJ50H60	50	0.32	169705	10
TKDJ100H60	100	0.44	169710	10
TKDJ150H60	150	0.51	169715	10
TKDJ200H60	200	0.58	169720	10
TKDJ300H60	300	0.72	169730	10
TKDJ400H60	400	0.86	169740	10

TKDP...H60

≠ 1.5 mm

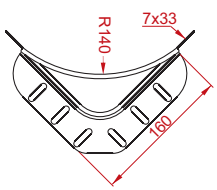
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TKDP50H60	50	0.55	159809	10
TKDP100H60	100	0.66	169810	10
TKDP150H60	150	0.76	169815	10
TKDP200H60	200	0.87	169820	10
TKDP300H60	300	1.08	169830	10
TKDP400H60	400	1.29	169840	10
TKDP500H60	500	1.50	169850	10
TKDP600H60	600	1.71	169860	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.



Corner Connector

LRP...



LRPJH60

≠ 1.0 mm

CODE	Height H mm	kg 1 pc.	Catalogue No.	Qty
LRPJH60	60	0.24	164000	100

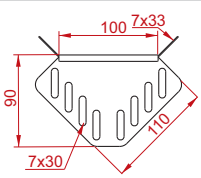
LRPPH60

≠ 1.5 mm

CODE	Height H mm	kg 1 pc.	Catalogue No.	Qty
LRPPH60	60	0.36	164009	100

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

LRJ



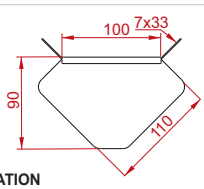
LRJH60

≠ 1.0 mm

CODE	Height H mm	kg 1 pc.	Catalogue No.	Qty
LRJH60	60	0.07	163100	100

For the assembly use Screw SGKM6x12 or SGM6x12.

LRBJ



APPLICATION
Branching out cable routes.

LRBJH60

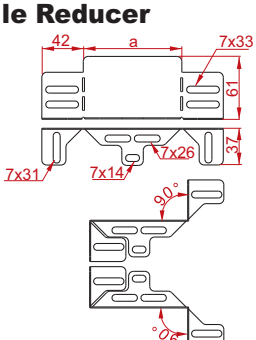
≠ 1.0 mm

CODE	Height H mm	kg 1 pc.	Catalogue No.	Qty
LRBJH60	60	0.07	163200	100

For the assembly use Screw Sets SGKM6x12 or SGM6x12.

Angle Reducer

RKJ



APPLICATION
Reducing/extending width of cable runs.

RKJ...H60

≠ 1.0 mm

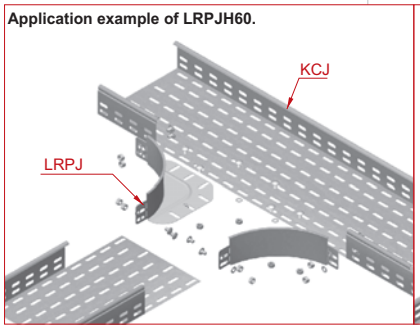
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
RKJ50H60	50	0.06	169706	10
RKJ100H60	100	0.09	169711	10
RKJ150H60	150	0.13	169716	10
RKJ200H60	200	0.17	169721	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12

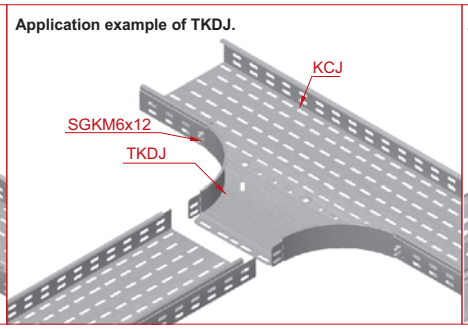
By selection of apropriate element we can reduce Width of the cable tray by 50, 100, 150 or 200mm. For example by attaching RKJ200H60 to 300mm wide cable tray, we can transfer it to 100mm wide. Angle Reducer can be used with all types of BAKS cable trays

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

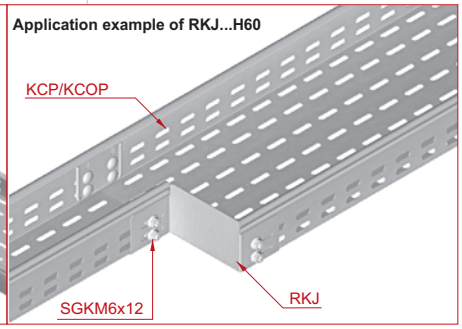
Application example of LRPJH60.



Application example of TKDJ.



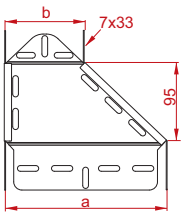
Application example of RKJ...H60



Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Left Reducer

RKL...



RKLJ...H60

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKLJ100/50H60	100	50	0.19	165124	10
RKLJ150/100H60	150	100	0.23	169015	10
RKLJ200/100H60	200	100	0.28	169120	10
RKLJ200/150H60	200	150	0.30	169220	10
RKLJ300/200H60	300	200	0.37	169130	10
RKLJ400/300H60	400	300	0.41	169040	10

RKLP...H60

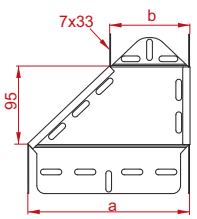
≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKLP100/50H60	100	50	0.28	165224	10
RKLP150/100H60	150	100	0.34	165615	10
RKLP200/100H60	200	100	0.39	165720	10
RKLP200/150H60	200	150	0.43	165820	10
RKLP300/200H60	300	200	0.51	165730	10
RKLP400/300H60	400	300	0.62	165640	10
RKLP500/400H60	500	400	0.74	165650	10
RKLP600/500H60	600	500	0.85	165660	10

For the assembly use Screw SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

Right Reducer

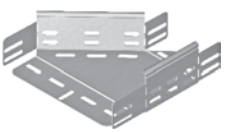
RKP...



RKPJ...H60

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKPJ100/50H60	100	50	0.19	165324	10
RKPJ150/100H60	150	100	0.23	169215	10
RKPJ200/100H60	200	100	0.28	169520	10
RKPJ200/150H60	200	150	0.30	169620	10
RKPJ300/200H60	300	200	0.37	169530	10
RKPJ400/300H60	400	300	0.41	169240	10



RKPP...H60

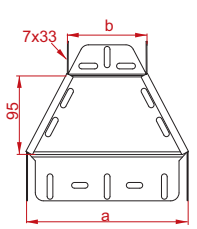
≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKPP100/50H60	100	50	0.28	165424	10
RKPP150/100H60	150	100	0.34	165815	10
RKPP200/100H60	200	100	0.39	167702	10
RKPP200/150H60	200	150	0.43	167802	10
RKPP300/200H60	300	200	0.51	167902	10
RKPP400/300H60	400	300	0.62	165840	10
RKPP500/400H60	500	400	0.74	165850	10
RKPP600/500H60	600	500	0.85	165860	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

Straight Reducer

RKS...



RKSJ...H60

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKSJ100/50H60	100	50	0.19	165524	10
RKSJ150/100H60	150	100	0.23	169415	10
RKSJ200/100H60	200	100	0.28	169920	10
RKSJ200/150H60	200	150	0.30	160020	10
RKSJ300/200H60	300	200	0.37	169930	10
RKSJ400/300H60	400	300	0.41	160040	10

RKSP...H60

≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKSP100/50H60	100	50	0.28	165624	10
RKSP150/100H60	150	100	0.34	166015	10
RKSP200/100H60	200	100	0.39	168502	10
RKSP200/150H60	200	150	0.43	168602	10
RKSP300/200H60	300	200	0.51	168702	10
RKSP400/300H60	400	300	0.62	166040	10
RKSP500/400H60	500	400	0.74	166050	10
RKSP600/500H60	600	500	0.85	166060	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

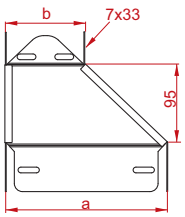
APPLICATION
Cable routing Width reduction.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Left Reducer

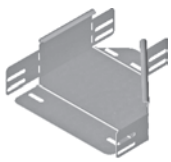
RKLB...



RKLBJ...H60

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKLBJ100/50H60	100	50	0.19	165724	10
RKLBJ150/100H60	150	100	0.23	165801	10
RKLBJ200/100H60	200	100	0.28	165901	10
RKLBJ200/150H60	200	150	0.30	166001	10
RKLBJ300/200H60	300	200	0.37	166201	10
RKLBJ400/300H60	400	300	0.41	166401	10



RKLBP...H60

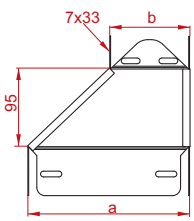
≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKLBP100/50H60	100	50	0.28	165824	10
RKLBP150/100H60	150	100	0.34	165802	10
RKLBP200/100H60	200	100	0.39	165902	10
RKLBP200/150H60	200	150	0.43	166002	10
RKLBP300/200H60	300	200	0.51	166202	10
RKLBP400/300H60	400	300	0.62	166402	10
RKLBP500/400H60	500	400	0.74	166502	10
RKLBP600/500H60	600	500	0.85	166602	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

Right Reducer

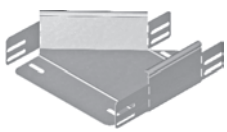
RKPB...



RKPBJ...H60

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKPBJ100/50H60	100	50	0.19	165924	10
RKPBJ150/100H60	150	100	0.23	165803	10
RKPBJ200/100H60	200	100	0.28	165903	10
RKPBJ200/150H60	200	150	0.30	166003	10
RKPBJ300/200H60	300	200	0.37	166203	10
RKPBJ400/300H60	400	300	0.41	166403	10



RKPBP...H60

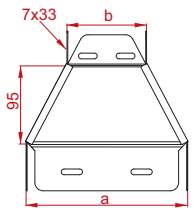
≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKPBP100/50H60	100	50	0.28	166024	10
RKPBP150/100H60	150	100	0.34	165804	10
RKPBP200/100H60	200	100	0.39	165904	10
RKPBP200/150H60	200	150	0.43	166004	10
RKPBP300/200H60	300	200	0.51	166204	10
RKPBP400/300H60	400	300	0.62	166404	10
RKPBP500/400H60	500	400	0.74	166504	10
RKPBP600/500H60	600	500	0.85	166604	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

Straight Reducer

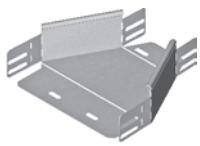
RKSB...



RKSBJ...H60

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKSBJ100/50H60	100	50	0.19	166124	10
RKSBJ150/100H60	150	100	0.23	166801	10
RKSBJ200/100H60	200	100	0.28	166901	10
RKSBJ200/150H60	200	150	0.30	167001	10
RKSBJ300/200H60	300	200	0.37	167201	10
RKSBJ400/300H60	400	300	0.41	167401	10



RKSBP...H60

≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc.	Catalogue No.	Qty
RKSBP100/50H60	100	50	0.28	166224	10
RKSBP150/100H60	150	100	0.34	166802	10
RKSBP200/100H60	200	100	0.39	166902	10
RKSBP200/150H60	200	150	0.43	167002	10
RKSBP300/200H60	300	200	0.51	167202	10
RKSBP400/300H60	400	300	0.62	167402	10
RKSBP500/400H60	500	400	0.74	167502	10
RKSBP600/500H60	600	500	0.85	167602	10

For the assembly use Screw Sets SGKM6x12 or SGM6x12.
In case of special orders please specify dimensions a and b.

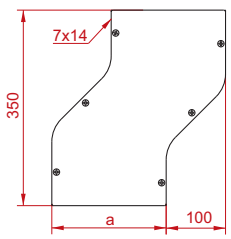
APPLICATION
Cable routing Width reduction.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Horizontal Bypass

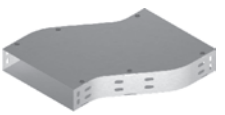
OPZ...



OPZJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPZJ50H60	50	0.62	166324	2
OPZJ100H60	100	0.86	167810	2
OPZJ150H60	150	1.12	167815	2
OPZJ200H60	200	1.38	167820	2
OPZJ300H60	300	1.92	167830	2
OPZJ400H60	400	2.44	167840	2

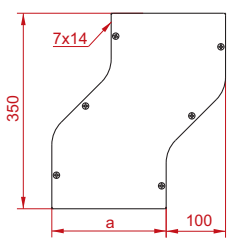


OPZP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPZP50H60	50	0.93	166424	2
OPZP100H60	100	1.30	164410	2
OPZP150H60	150	1.68	164415	2
OPZP200H60	200	2.06	164420	2
OPZP300H60	300	2.98	164430	2
OPZP400H60	400	3.88	164440	2
OPZP500H60	500	4.76	164450	2
OPZP600H60	600	5.28	164460	2

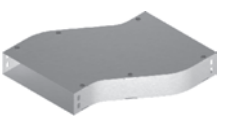
OPZB...



OPZBJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPZBJ50H60	50	0.62	166524	2
OPZBJ100H60	100	0.86	163301	2
OPZBJ150H60	150	1.12	163401	2
OPZBJ200H60	200	1.38	163501	2
OPZBJ300H60	300	1.92	163701	2
OPZBJ400H60	400	2.44	163801	2



OPZBP...H60

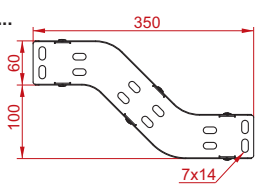
≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPZBP50H60	50	0.93	166624	2
OPZBP100H60	100	1.30	163302	2
OPZBP150H60	150	1.68	163402	2
OPZBP200H60	200	2.06	163502	2
OPZBP300H60	300	2.98	163702	2
OPZBP400H60	400	3.88	163802	2
OPZBP500H60	500	4.76	163902	2
OPZBP600H60	600	5.28	164002	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60. Can be used as a left or right bypass

Vertical Bypass

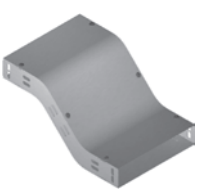
OPN...



OPNJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPNJ50H60	50	0.62	166724	2
OPNJ100H60	100	0.86	168010	2
OPNJ150H60	150	1.12	168015	2
OPNJ200H60	200	1.38	168020	2
OPNJ300H60	300	1.92	168030	2
OPNJ400H60	400	2.44	168040	2

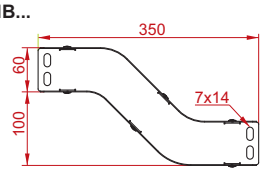


OPNP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPNP50H60	50	0.93	166824	2
OPNP100H60	100	1.30	164610	2
OPNP150H60	150	1.68	164615	2
OPNP200H60	200	2.06	164620	2
OPNP300H60	300	2.98	164630	2
OPNP400H60	400	3.88	164640	2
OPNP500H60	500	4.76	164650	2
OPNP600H60	600	5.28	164660	2

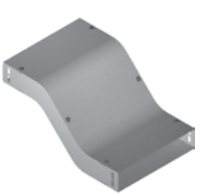
OPNB...



OPNBJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPNBJ50H60	50	0.62	166924	2
OPNBJ100H60	100	0.86	163303	2
OPNBJ150H60	150	1.12	163403	2
OPNBJ200H60	200	1.38	163503	2
OPNBJ300H60	300	1.92	163703	2
OPNBJ400H60	400	2.44	163803	2



OPNBP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
OPNBP50H60	50	0.93	167024	2
OPNBP100H60	100	1.30	163304	2
OPNBP150H60	150	1.68	163404	2
OPNBP200H60	200	2.06	163504	2
OPNBP300H60	300	2.98	163704	2
OPNBP400H60	400	3.88	163804	2
OPNBP500H60	500	4.76	163904	2
OPNBP600H60	600	5.28	164004	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60. Can be used as an upper or bottom bypass

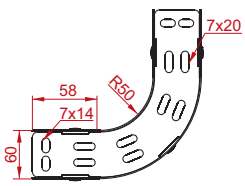
APPLICATION
Bypassing mechanical obstacles in cable routing

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

90° Vertical Bend

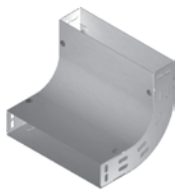
LU...



LUJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUJ50H60	50	0.66	167124	2
LUJ100H60	100	0.89	167010	2
LUJ150H60	150	1.17	167015	2
LUJ200H60	200	1.45	167020	2
LUJ300H60	300	2.01	167030	2
LUJ400H60	400	2.57	167040	2



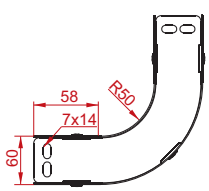
LUP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUP50H60	50	0.99	167224	2
LUP100H60	100	1.33	163610	2
LUP150H60	150	1.75	163615	2
LUP200H60	200	2.18	163620	2
LUP300H60	300	3.01	163630	2
LUP400H60	400	3.85	163640	2
LUP500H60	500	4.65	163650	2
LUP600H60	600	5.50	163660	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60. Can be used as an external or internal bend

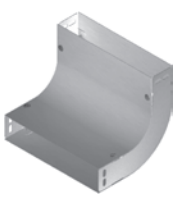
LUB...



LUBJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUBJ50H60	50	0.66	167324	2
LUBJ100H60	100	0.89	161701	2
LUBJ150H60	150	1.17	161801	2
LUBJ200H60	200	1.45	161901	2
LUBJ300H60	300	2.01	162101	2
LUBJ400H60	400	2.57	162201	2



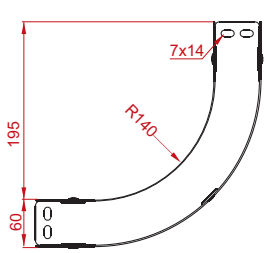
LUBP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUBP50H60	50	0.99	167424	2
LUBP100H60	100	1.33	161702	2
LUBP150H60	150	1.75	161802	2
LUBP200H60	200	2.18	161902	2
LUBP300H60	300	3.01	162102	2
LUBP400H60	400	3.85	162202	2
LUBP500H60	500	4.65	162302	2
LUBP600H60	600	5.50	162402	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60. Can be used as an external or internal bend

LUP...



LUPJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUPJ50H60	50	0.72	167524	2
LUPJ100H60	100	1.01	165714	2
LUPJ150H60	150	1.30	165814	2
LUPJ200H60	200	1.63	165914	2
LUPJ300H60	300	2.36	166014	2
LUPJ400H60	400	3.09	166114	2

LUPP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUPP50H60	50	1.08	167624	2
LUPP100H60	100	1.48	166414	2
LUPP150H60	150	1.95	166514	2
LUPP200H60	200	2.44	166614	2
LUPP300H60	300	3.54	166714	2
LUPP400H60	400	4.63	166814	2
LUPP500H60	500	5.72	166914	2
LUPP600H60	600	6.81	167014	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60. Can be used as an external or internal bend

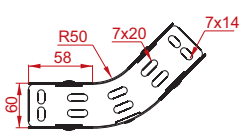
APPLICATION
Diversions in cable routing.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

45° Vertical Bend

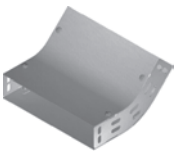
LUM...



LUMJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUMJ50H60	50	0.41	167724	2
LUMJ100H60	100	0.61	167210	2
LUMJ150H60	150	0.81	167215	2
LUMJ200H60	200	1.01	167220	2
LUMJ300H60	300	1.40	167230	2
LUMJ400H60	400	1.79	167240	2



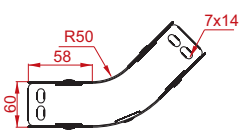
LUMP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUMP50H60	50	0.62	167824	2
LUMP100H60	100	0.92	163810	2
LUMP150H60	150	1.18	163815	2
LUMP200H60	200	1.51	163820	2
LUMP300H60	300	2.10	163830	2
LUMP400H60	400	2.68	163840	2
LUMP500H60	500	3.24	163850	2
LUMP600H60	600	3.84	163860	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60. Can be used as an external or internal bend

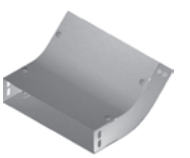
LUMB...



LUMBJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUMBJ 50H60	50	0.41	167924	2
LUMBJ100H60	100	0.61	161703	2
LUMBJ150H60	150	0.81	161803	2
LUMBJ200H60	200	1.01	161903	2
LUMBJ300H60	300	1.40	162103	2
LUMBJ400H60	400	1.79	162203	2



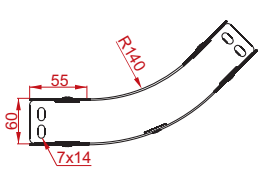
LUMBP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUMBP 50H60	50	0.62	168024	2
LUMBP100H60	100	0.92	161704	2
LUMBP150H60	150	1.18	161804	2
LUMBP200H60	200	1.51	161904	2
LUMBP300H60	300	2.10	162104	2
LUMBP400H60	400	2.68	162204	2
LUMBP500H60	500	3.24	162304	2
LUMBP600H60	600	3.84	162404	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60. Can be used as an external or internal bend

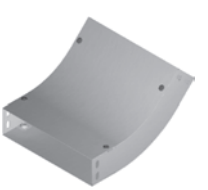
LUMP...



LUMPJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUMPJ50H60	50	0.55	168124	2
LUMPJ100H60	100	0.70	167114	2
LUMPJ150H60	150	1.05	167214	2
LUMPJ200H60	200	1.77	167314	2
LUMPJ300H60	300	2.12	167414	2
LUMPJ400H60	400	2.45	167514	2



LUMPP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LUMPP50H60	50	0.83	168224	2
LUMPP100H60	100	1.08	167814	2
LUMPP150H60	150	1.58	167914	2
LUMPP200H60	200	2.65	168014	2
LUMPP300H60	300	3.18	168114	2
LUMPP400H60	400	3.67	168214	2
LUMPP500H60	500	4.18	168314	2
LUMPP600H60	600	4.78	168414	2

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60. Can be used as an external or internal bend

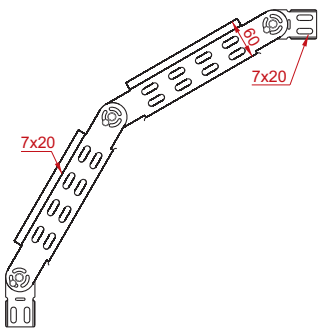
APPLICATION
Diversions in cable routing.

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Adjustable Vertical Bend

LL...



LLJ...H60

± 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LLJ50H60	50	0.70	168324	2
LLJ100H60	100	1.32	167410	2
LLJ150H60	150	1.50	167415	2
LLJ200H60	200	1.60	167420	2
LLJ300H60	300	1.98	167430	2
LLJ400H60	400	2.32	167440	2

LLP/LLOP...H60

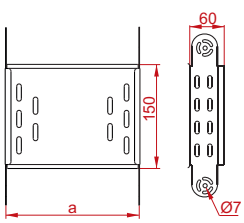
± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LLP/LLOP50H60	50	1.05	168424	2
LLP/LLOP100H60	100	2.00	164010	2
LLP/LLOP150H60	150	2.25	164015	2
LLP/LLOP200H60	200	2.50	164020	2
LLP/LLOP300H60	300	3.00	164030	2
LLP/LLOP400H60	400	3.50	164040	2
LLP/LLOP500H60	500	4.00	164050	2
LLP/LLOP600H60	600	4.49	164060	2

For the assembly use Screw SGKM6x12 or SGM6x12. Adjustable Vertical Bend is delivered fully assembled together with: 2 Adjustable Vertical Bend Elements 4 parts of the 2-part Angle Connector item, 6 sets of screws

Adjustable Vertical Bend Element

EL...



ELJ...H60

± 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
ELJ50H60	50	0.26	168524	4
ELJ100H60	100	0.41	167610	4
ELJ150H60	150	0.50	167615	4
ELJ200H60	200	0.58	167620	4
ELJ300H60	300	0.74	167630	4
ELJ400H60	400	0.91	167640	4

ELP...H60

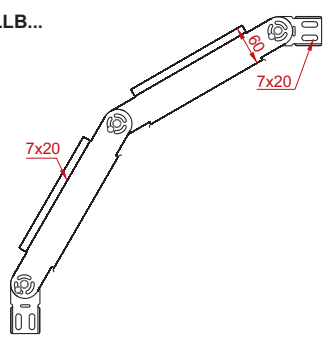
± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
ELP50H60	50	0.39	168624	4
ELP100H60	100	0.62	164210	4
ELP150H60	150	0.74	164215	4
ELP200H60	200	0.87	164220	4
ELP300H60	300	1.12	164230	4
ELP400H60	400	1.37	164240	4
ELP500H60	500	1.62	164250	4
ELP600H60	600	1.86	164260	4

Possibility of creating adjustable vertical bends of any internal radius through adding up bend elements.

Adjustable Vertical Bend

LLB...



LLBJ...H60

± 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LLBJ50H60	50	0.70	168724	2
LLBJ100H60	100	1.32	162501	2
LLBJ150H60	150	1.50	162601	2
LLBJ200H60	200	1.60	162701	2
LLBJ300H60	300	1.98	162901	2
LLBJ400H60	400	2.32	163001	2

LLBP...H60

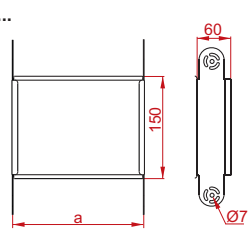
± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LLBP50H60	50	1.05	168824	2
LLBP100H60	100	2.00	162502	2
LLBP150H60	150	2.25	162602	2
LLBP200H60	200	2.50	162702	2
LLBP300H60	300	3.00	162902	2
LLBP400H60	400	3.50	163002	2
LLBP500H60	500	4.00	163102	2
LLBP600H60	600	4.49	163202	2

For the assembly use Screw SGKM6x12 or SGM6x12. Adjustable Vertical Bend is delivered fully assembled together with: 2 Adjustable Vertical Bend Elements 4 parts of the 2-part Angle Connector item, 6 sets of screws

Adjustable Vertical Bend Element

ELB...



ELBJ...H60

± 1.0 mm

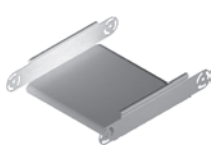
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
ELBJ50H60	50	0.26	168924	4
ELBJ100H60	100	0.41	162503	4
ELBJ150H60	150	0.50	162603	4
ELBJ200H60	200	0.58	162703	4
ELBJ300H60	300	0.74	162903	4
ELBJ400H60	400	0.91	163003	4

ELBP...H60

± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
ELBP50H60	50	0.39	169024	4
ELBP100H60	100	0.62	162504	4
ELBP150H60	150	0.74	162604	4
ELBP200H60	200	0.87	162704	4
ELBP300H60	300	1.12	162904	4
ELBP400H60	400	1.37	163004	4
ELBP500H60	500	1.62	163104	4
ELBP600H60	600	1.86	163204	4

Possibility of creating adjustable vertical bends of any internal radius through adding up bend elements.



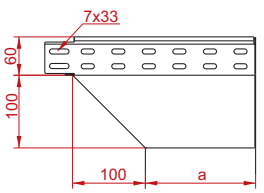
APPLICATION
Diversions in cable routing.
Full-range angle adjustment with a lock.

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Thickn. (ga) ± [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Vertical Elbow - Right

KRP...



KRPJ...H60

≠ 1.0 mm

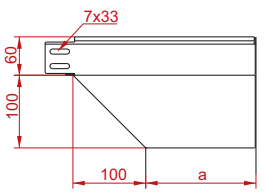
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRPJ50H60	50	0.48	169124	1
KRPJ100H60	100	0.77	168410	1
KRPJ150H60	150	1.16	168415	1
KRPJ200H60	200	1.54	168420	1
KRPJ300H60	300	2.32	168430	1
KRPJ400H60	400	3.08	168440	1

KRPP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRPP50H60	50	0.72	169224	1
KRPP100H60	100	1.16	165010	1
KRPP150H60	150	1.74	165015	1
KRPP200H60	200	2.32	165020	1
KRPP300H60	300	3.48	165030	1
KRPP400H60	400	4.64	165040	1
KRPP500H60	500	5.80	165050	1
KRPP600H60	600	6.96	165060	1

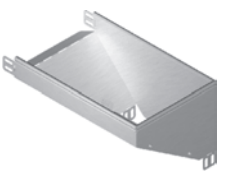
KRPB...



KRPBJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRPBJ50H60	50	0.48	169324	1
KRPBJ100H60	100	0.77	164103	1
KRPBJ150H60	150	1.16	164203	1
KRPBJ200H60	200	1.54	164303	1
KRPBJ300H60	300	2.32	164503	1
KRPBJ400H60	400	3.08	164603	1



KRPBP...H60

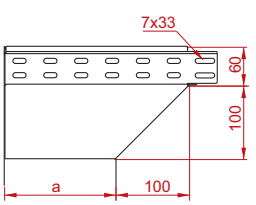
≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRPBP50H60	50	0.72	169424	1
KRPBP100H60	100	1.16	164104	1
KRPBP150H60	150	1.74	164204	1
KRPBP200H60	200	2.32	164304	1
KRPBP300H60	300	3.48	164504	1
KRPBP400H60	400	4.64	164604	1
KRPBP500H60	500	5.80	164704	1
KRPBP600H60	600	6.96	164804	1

For the assembly use Screw SGKM6x12 or SGM6x12.

Vertical Elbow - Left

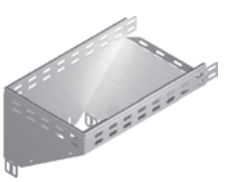
KRL...



KRLJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRLJ50H60	50	0.48	169524	1
KRLJ100H60	100	0.77	168210	1
KRLJ150H60	150	1.16	168215	1
KRLJ200H60	200	1.54	168220	1
KRLJ300H60	300	2.32	168230	1
KRLJ400H60	400	3.08	168240	1

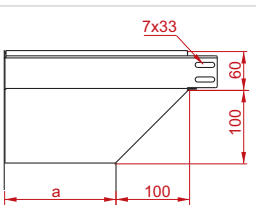


KRLP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRLP50H60	50	0.72	169624	1
KRLP100H60	100	1.16	164810	1
KRLP150H60	150	1.74	164815	1
KRLP200H60	200	2.32	164820	1
KRLP300H60	300	3.48	164830	1
KRLP400H60	400	4.64	164840	1
KRLP500H60	500	5.80	164850	1
KRLP600H60	600	6.96	164860	1

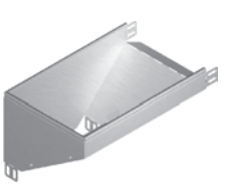
KRLB...



KRLBJ...H60

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRLBJ50H60	50	0.48	169724	1
KRLBJ100H60	100	0.77	164101	1
KRLBJ150H60	150	1.16	164201	1
KRLBJ200H60	200	1.54	164301	1
KRLBJ300H60	300	2.32	164501	1
KRLBJ400H60	400	3.08	164601	1



KRLBP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KRLBP50H60	50	0.72	169824	1
KRLBP100H60	100	1.16	164102	1
KRLBP150H60	150	1.74	164202	1
KRLBP200H60	200	2.32	164302	1
KRLBP300H60	300	3.48	164502	1
KRLBP400H60	400	4.64	164602	1
KRLBP500H60	500	5.80	164702	1
KRLBP600H60	600	6.96	164802	1

For the assembly use Screw SGKM6x12 or SGM6x12.

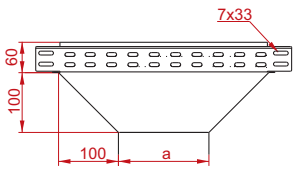
APPLICATION
Diversions in cable routing.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 0.7 1.0 1.2 1.5 2.0

Vertical Tee - Lengthwise

TR...



TRJ...H60

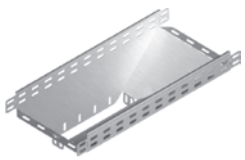
≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRJ50H60	50	0.62	163323	1
TRJ100H60	100	0.95	168610	1
TRJ150H60	150	1.38	168615	1
TRJ200H60	200	1.83	168620	1
TRJ300H60	300	2.77	168630	1
TRJ400H60	400	3.69	168640	1
TRJ500H60	500	4.79	168650	1
TRJ600H60	600	5.20	168660	1

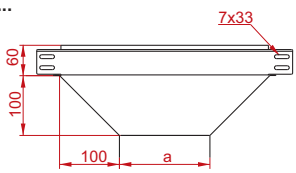
TRP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRP50H60	50	0.93	163423	1
TRP100H60	100	1.43	165210	1
TRP150H60	150	2.00	165215	1
TRP200H60	200	2.70	165220	1
TRP300H60	300	4.30	165230	1
TRP400H60	400	5.50	165240	1
TRP500H60	500	7.10	165250	1
TRP600H60	600	8.00	165260	1



TRB...



TRBJ...H60

≠ 1.0 mm

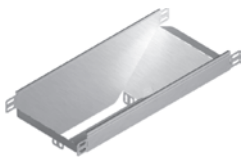
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRBJ50H60	50	0.62	163523	1
TRBJ100H60	100	0.95	164901	1
TRBJ150H60	150	1.38	165001	1
TRBJ200H60	200	1.83	165101	1
TRBJ300H60	300	2.77	165301	1
TRBJ400H60	400	3.69	165401	1

TRBP...H60

≠ 1.5 mm

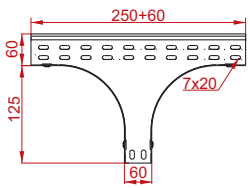
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRBP50H60	50	0.93	163623	1
TRBP100H60	100	1.43	164902	1
TRBP150H60	150	2.00	165002	1
TRBP200H60	200	2.70	165102	1
TRBP300H60	300	4.30	165302	1
TRBP400H60	400	5.50	165402	1
TRBP500H60	500	7.10	165502	1
TRBP600H60	600	8.00	165602	1

For the assembly use Screw SGKM6x12 or SGM6x12.



Vertical Tee - Crosswise

TRS...



TRSJ...H60

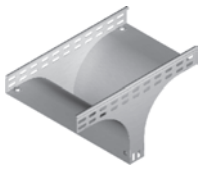
≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRSJ50H60	50	0.71	163723	1
TRSJ100H60	100	0.96	168810	1
TRSJ150H60	150	1.15	168815	1
TRSJ200H60	200	1.33	168820	1
TRSJ300H60	300	1.70	168830	1
TRSJ400H60	400	2.07	168840	1

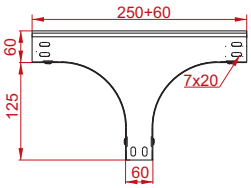
TRSP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRSP50H60	50	1.07	163823	1
TRSP100H60	100	1.45	165410	1
TRSP150H60	150	1.72	165415	1
TRSP200H60	200	2.00	165420	1
TRSP300H60	300	2.55	165430	1
TRSP400H60	400	3.10	165440	1
TRSP500H60	500	3.66	165450	1
TRSP600H60	600	4.20	165460	1



TRSB...



TRSBJ...H60

≠ 1.0 mm

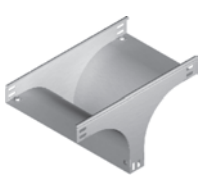
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRSBJ50H60	50	0.71	163923	1
TRSBJ100H60	100	0.96	164903	1
TRSBJ150H60	150	1.15	165003	1
TRSBJ200H60	200	1.33	165103	1
TRSBJ300H60	300	1.70	165303	1
TRSBJ400H60	400	2.07	165403	1

TRSBP...H60

≠ 1.5 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TRSBP50H60	50	1.07	164023	1
TRSBP100H60	100	1.45	164904	1
TRSBP150H60	150	1.72	165004	1
TRSBP200H60	200	2.00	165104	1
TRSBP300H60	300	2.55	165304	1
TRSBP400H60	400	3.10	165404	1
TRSBP500H60	500	3.66	165504	1
TRSBP600H60	600	4.20	165604	1

For the assembly use Screw Sets SGKM6x12 or SGM6x12 and Connectors LPMLH60 or LPMPH60.



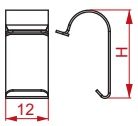
APPLICATION
Branching out cable routes.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cover Clamp

ZPN



ZPN...

CODE	Height H mm	Catalogue No.	Qty
ZPNH60	29	165000	100

ZPN...E

CODE	Height H mm	Catalogue No.	Qty
ZPNH60E	29	165100	100

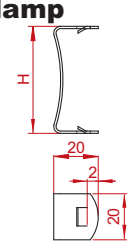
ZPN...F

CODE	Height H mm	Catalogue No.	Qty
ZPNH60F	29	165200	100

MATERIAL
Electro-galv. steel strip (EG) (**ZPN**).
Stainless steel, grade 1.4301 (AISI304), (**ZPN E**).
Hot-dip galv. steel strip (HDG)
to PN-EN ISO 1461:2011 (HDG) (**ZPN F**).

Cover Clamp

ZPD



APPLICATION
Preventing the cover from slipping

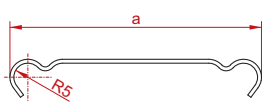
ZPDH60

CODE	Height H mm	Catalogue No.	Qty
ZPDH60	61	160800	100

MATERIAL
Quality steel strap – hardened
and electro-galv. (EG)
Available finishes:
F- hot-dip galv. steel (HDG)
to PN-EN ISO 1461:2011 (HDG)
E- stainless steel, grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p .4)

Cover

PK...



PKL...

≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PKL50/3	50	3000	0.42	100605	20/60
PKL100/3	100	3000	0.72	100610	6/18
PKL150/3	150	3000	1.02	100615	6/18
PKL200/3	200	3000	1.32	100620	6/18
PKL300/3	300	3000	1.92	100630	4/12

PKJ...

≠ 1.0 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PKJ50/3	50	3000	0.64	100805	20/60
PKJ100/3	100	3000	1.04	100810	10/30
PKJ150/3	150	3000	1.44	100815	6/18
PKJ200/3	200	3000	1.84	100820	6/18
PKJ300/3	300	3000	2.64	100830	4/12
PKJ400/3	400	3000	3.44	100640	4/12

PKD...

≠ 1.2 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PKD50/3	50	3000	0.80	101005	10/30
PKD100/3	100	3000	1.30	101010	6/18
PKD150/3	150	3000	1.80	101015	6/18
PKD200/3	200	3000	2.30	101020	4/12
PKD300/3	300	3000	3.30	101030	4/12
PKD400/3	400	3000	4.30	100840	4/12

PKP...

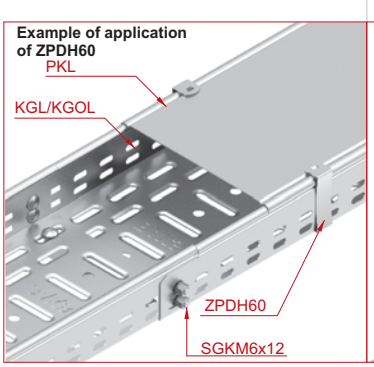
≠ 1.5 mm

CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
PKP100/3	3000	100	1.56	101210	6/18
PKP150/3	3000	150	2.16	101215	6/18
PKP200/3	3000	200	2.76	101220	4/12
PKP300/3	3000	300	3.96	101230	4/12
PKP400/3	3000	400	5.16	101040	4/12
PKP500/3	3000	500	6.36	101050	2/6
PKP600/3	3000	600	7.56	101060	2/6

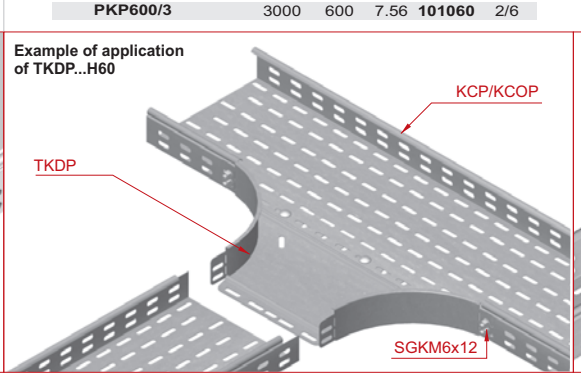
MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
for min. 1mm material thickness
E- stainless steel (SS), grade 1.4301 (AISI304)
up to 1.2 mm material thickness
L- powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

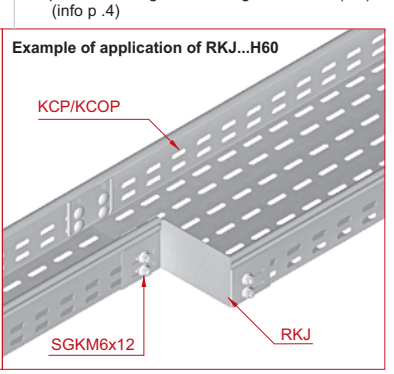
Example of application of ZPDH60



Example of application of TKDP...H60



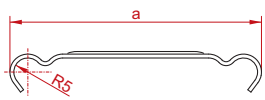
Example of application of RKJ...H60



Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Reinforced cover

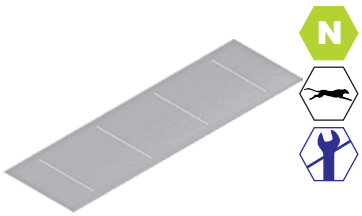
PKWJ...



PKWJ...

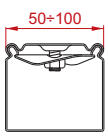
≠ 1.0 mm

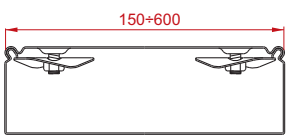
CODE	Length L mm	Width a mm	kg 1 m	Catalogue No.	Qty/m
PKWJ300/3	3000	300	2.64	108531	4/12
PKWJ400/3	3000	400	3.44	108541	4/12
PKWJ500/2	2000	500	4.24	108451	2/4
PKWJ500/3	3000	500	4.24	108551	2/6
PKWJ600/3	3000	600	5.04	108561	2/6



Cover with Lock

PZK...



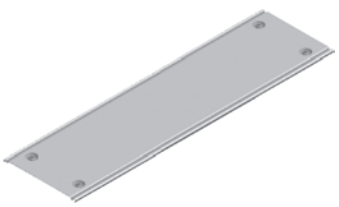


For the lengths of 2 meter – 2 rows of cover locks
For the lengths of 3 meter – 3 rows of cover locks

PZKL...

≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PZKL50/3	50	3000	0.47	101605	20/60
PZKL100/3	100	3000	0.77	101610	10/30
PZKL150/3	150	3000	1.07	101615	6/18
PZKL200/3	200	3000	1.37	101620	6/18
PZKL300/3	300	3000	1.97	101630	4/12



PZKJ...

≠ 1.0 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PZKJ100/3	100	3000	1.09	101810	10/30
PZKJ150/3	150	3000	1.49	101815	6/18
PZKJ200/3	200	3000	1.89	101820	6/18
PZKJ300/3	300	3000	2.69	101830	4/12
PZKJ400/3	400	3000	3.49	101440	4/12

PZKD...

≠ 1.2 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PZKD100/3	100	3000	1.35	102010	6/18
PZKD150/3	150	3000	1.85	102015	6/18
PZKD200/3	200	3000	2.35	102020	4/12
PZKD300/3	300	3000	3.35	102030	4/12
PZKD400/3	400	3000	4.35	101640	4/12

PZKP...

≠ 1.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PZKP100/3	100	3000	1.54	102210	6/18
PZKP150/3	150	3000	2.14	102215	6/18
PZKP200/3	200	3000	2.74	102220	6/18
PZKP300/3	300	3000	3.94	102230	4/12
PZKP400/3	400	3000	5.14	101840	4/12
PZKP500/3	500	3000	6.34	101850	2/6
PZKP600/3	600	3000	7.54	101860	2/6

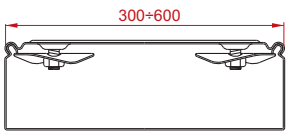
APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
for min. 1 mm thickn.
E- stainless steel (SS), grade 1.4301 (AISI304)
up to 1.2 mm thickn.
L- powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0 | 3.0

Reinforced cover with Lock

PZKW...



For the lengths of 2 meter – 2 rows of cover locks
For the lengths of 3 meter – 3 rows of cover locks

PZKWL...

≠ 0.7 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PZKWL300/3	300	3000	1.92	108930	4/12
PZKWL400/3	400	3000	2.52	108940	4/12
PZKWL500/3	500	3000	3.12	108950	2/6
PZKWL600/3	600	3000	3.72	108960	2/6

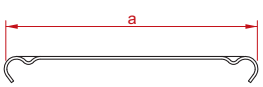
PZKWJ...

≠ 1.0 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PZKWJ300/3	300	3000	2.64	109230	4/12
PZKWJ400/3	400	3000	3.44	109240	4/12
PZKWJ500/3	500	3000	4.24	109250	2/6

Cover for 90° Horizontal Bend

PKK...



PKKJ...

≠ 1.0 mm

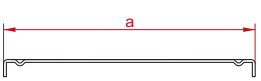
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKJ50	50	0.08	102405	20
PKKJ100	100	0.16	102410	20
PKKJ150	150	0.28	102415	20
PKKJ200	200	0.45	102420	20
PKKJ300	300	0.90	102430	10
PKKJ400	400	1.50	102440	10

PKKP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKP100	100	0.16	102510	20
PKKP150	150	0.28	102515	20
PKKP200	200	0.45	102520	20
PKKP300	300	0.90	102530	10
PKKP400	400	1.50	102540	10
PKKP500	500	2.26	102550	10
PKKP500	600	3.16	102560	10

PKKP...



PKKPJ...

≠ 1.0 mm

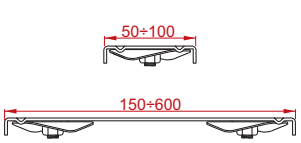
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKPJ50	50	0.08	100113	20
PKKPJ100	100	0.16	100213	20
PKKPJ150	150	0.28	100313	20
PKKPJ200	200	0.45	100413	20
PKKPJ300	300	0.90	100513	10
PKKPJ400	400	1.50	100613	10

PKKPP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKPP100	100	0.24	101013	20
PKKPP150	150	0.42	101113	20
PKKPP200	200	0.67	101213	20
PKKPP300	300	1.35	101313	10
PKKPP400	400	2.25	101413	10
PKKPP500	500	3.39	101513	10
PKKPP600	600	4.74	101613	10

PZKKP...



PZKKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZKKPJ50	50	0.08	100114	20
PZKKPJ100	100	0.16	100214	20
PZKKPJ150	150	0.28	100314	20
PZKKPJ200	200	0.45	100414	20
PZKKPJ300	300	0.90	100514	10
PZKKPJ400	400	1.50	100614	10

PZKKPP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZKKPP100	100	0.24	101014	20
PZKKPP150	150	0.42	101114	20
PZKKPP200	200	0.67	101214	20
PZKKPP300	300	1.35	101314	10
PZKKPP400	400	2.25	101414	10
PZKKPP500	500	3.39	101514	10
PZKKPP600	600	4.74	101614	10

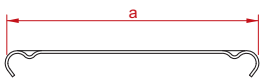
APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
for min. 1 mm thickn.
E- stainless steel (SS), grade 1.4301 (AISI304)
up to 1.2 mm thickn.
L- powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cover for 45° Horizontal Bend

PKKM...



PKKMJ...

≠ 1.0 mm

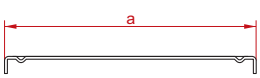
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKMJ50	50	0.06	102705	20
PKKMJ100	100	0.11	102710	20
PKKMJ150	150	0.20	102715	20
PKKMJ200	200	0.32	102720	20
PKKMJ300	300	0.65	102730	10
PKKMJ400	400	1.07	102740	10

PKKMP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKMP100	100	0.17	102810	20
PKKMP150	150	0.30	102815	20
PKKMP200	200	0.48	102820	20
PKKMP300	300	0.98	102830	10
PKKMP400	400	1.61	102840	10
PKKMP500	500	2.40	102850	10
PKKMP600	600	3.33	102860	10

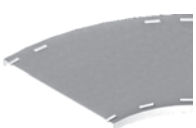
PKKMP...



PKKMPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKMPJ50	50	0.06	101713	20
PKKMPJ100	100	0.11	101813	20
PKKMPJ150	150	0.20	101913	20
PKKMPJ200	200	0.32	102013	20
PKKMPJ300	300	0.65	102113	10
PKKMPJ400	400	1.07	102213	10

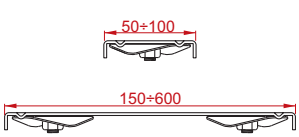


PKKMPP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PKKMPP100	100	0.17	102613	20
PKKMPP150	150	0.30	102713	20
PKKMPP200	200	0.48	102813	20
PKKMPP300	300	0.98	102913	10
PKKMPP400	400	1.61	103013	10
PKKMPP500	500	2.40	103113	10
PKKMPP600	600	3.33	103213	10

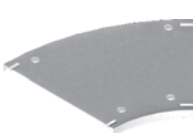
PZKKMP...



PZKKMPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZKKMPJ50	50	0.06	101714	20
PZKKMPJ100	100	0.11	101814	20
PZKKMPJ150	150	0.20	101914	20
PZKKMPJ200	200	0.32	102014	20
PZKKMPJ300	300	0.65	102114	10
PZKKMPJ400	400	1.07	102214	10



PZKKMPP...

≠ 1.5 mm

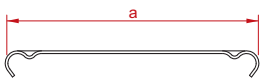
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZKKMPP100	100	0.17	102614	20
PZKKMPP150	150	0.30	102714	20
PZKKMPP200	200	0.48	102814	20
PZKKMPP300	300	0.98	102914	10
PZKKMPP400	400	1.61	103014	10
PZKKMPP500	500	2.40	103114	10
PZKKMPP600	600	3.33	103214	10

APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
for min. 1 mm thickn.
E- stainless steel (SS), grade 1.4301 (AISI304)
up to 1.2 mm thickn.
L- powder coating in a full range of colours (PC)
(info p .4)

Cover For Horizontal Tee

PTK...



PTKJ...

≠ 1.0 mm

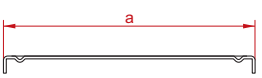
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTKJ50	50	0,10	103005	20
PTKJ100	100	0.20	103010	20
PTKJ150	150	0.35	103015	20
PTKJ200	200	0.54	103020	20
PTKJ300	300	1.00	103030	10
PTKJ400	400	1.64	103040	10

PTKP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTKP100	100	0.30	103110	20
PTKP150	150	0.52	103115	20
PTKP200	200	0.80	103120	20
PTKP300	300	1.50	103130	10
PTKP400	400	2.46	103140	10
PTKP500	500	3.62	103150	10
PTKP600	600	5.02	103160	10

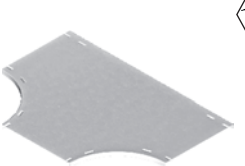
PTKP...



PTKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTKPJ50	50	0,10	103313	20
PTKPJ100	100	0.20	103413	20
PTKPJ150	150	0.35	103513	20
PTKPJ200	200	0.54	103613	20
PTKPJ300	300	1.00	103713	10
PTKPJ400	400	1.64	103813	10

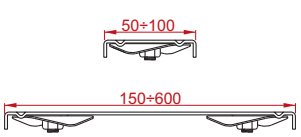


PTKPP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTKPP100	100	0,30	104213	20
PTKPP150	150	0,52	104313	20
PTKPP200	200	0,80	104413	20
PTKPP300	300	1,50	104513	10
PTKPP400	400	2,46	104613	10
PTKPP500	500	3,62	104713	10
PTKPP600	600	5,02	104813	10

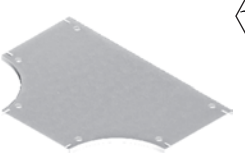
PZTKP...



PZTKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZTKPJ50	50	0,10	103314	20
PZTKPJ100	100	0.20	103414	20
PZTKPJ150	150	0.35	103514	20
PZTKPJ200	200	0.54	103614	20
PZTKPJ300	300	1.00	103714	10
PZTKPJ400	400	1.64	103814	10



PZTKPP...

≠ 1.5 mm

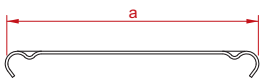
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZTKPP100	100	0,30	104214	20
PZTKPP150	150	0,52	104314	20
PZTKPP200	200	0,80	104414	20
PZTKPP300	300	1,50	104514	10
PZTKPP400	400	2,46	104614	10
PZTKPP500	500	3,62	104714	10
PZTKPP600	600	5,02	104814	10

APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
for min. 1 mm thickn.
E- stainless steel (SS), grade 1.4301 (AISI304)
up to 1.2 mm thickn.
L- powder coating in a full range of colours (PC)
(info p .4)

Cover for Horizontal Cross-over

PCZK...



PCZKJ...

≠ 1.0 mm

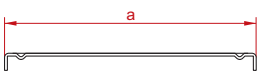
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PCZKJ50	50	0.11	103305	20
PCZKJ100	100	0.25	103310	20
PCZKJ150	150	0.41	103315	20
PCZKJ200	200	0.60	103320	20
PCZKJ300	300	1.12	103330	10
PCZKJ400	400	1.76	103340	10

PCZKP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PCZKP100	100	0.37	103410	20
PCZKP150	150	0.61	103415	20
PCZKP200	200	0.90	103420	20
PCZKP300	300	1.68	103430	10
PCZKP400	400	2.64	103440	10
PCZKP500	500	3.87	103450	10
PCZKP600	600	5.31	103460	10

PCZKP...



PCZKPJ...

≠ 1.0 mm

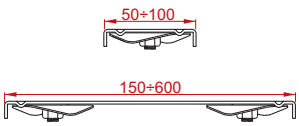
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PCZKPJ50	50	0.11	106513	20
PCZKPJ100	100	0.25	106613	20
PCZKPJ150	150	0.41	106713	20
PCZKPJ200	200	0.60	106813	20
PCZKPJ300	300	1.12	106913	10
PCZKPJ400	400	1.76	107013	10

PCZKPP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PCZKPP100	100	0.37	107413	20
PCZKPP150	150	0.61	107513	20
PCZKPP200	200	0.90	107613	20
PCZKPP300	300	1.68	107713	10
PCZKPP400	400	2.64	107813	10
PCZKPP500	500	3.87	107913	10
PCZKPP600	600	5.31	108013	10

PZCZKP...



PZCZKPJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZCZKPJ50	50	0.11	104914	20
PZCZKPJ100	100	0.25	105014	20
PZCZKPJ150	150	0.41	105114	20
PZCZKPJ200	200	0.60	105214	20
PZCZKPJ300	300	1.12	105314	10
PZCZKPJ400	400	1.76	105414	10

PZCZKPP...

≠ 1.5 mm

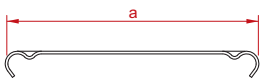
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PZCZKPP100	100	0.37	105814	20
PZCZKPP150	150	0.61	105914	20
PZCZKPP200	200	0.90	106014	20
PZCZKPP300	300	1.68	106114	10
PZCZKPP400	400	2.64	106214	10
PZCZKPP500	500	3.87	106314	10
PZCZKPP600	600	5.31	106414	10

APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
for min. 1 mm thickn.
E- stainless steel (SS), grade 1.4301 (AISI304)
up to 1.2 mm thickn.
L- powder coating in a full range of colours (PC)
(info p .4)

Cover for Add-on Tee

PTKD...



PTKDJ...

≠ 1.0 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTKDJ50	50	0.10	104913	20
PTKDJ100	100	0.20	105013	20
PTKDJ150	150	0.35	105113	20
PTKDJ200	200	0.54	105213	20
PTKDJ300	300	1.00	105313	10
PTKDJ400	400	1.64	105413	10

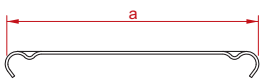
PTKDP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTKDP100	100	0.30	105813	20
PTKDP150	150	0.52	105913	20
PTKDP200	200	0.80	106013	20
PTKDP300	300	1.50	106113	10
PTKDP400	400	2.46	106213	10
PTKDP500	500	3.62	106313	10
PTKDP600	600	5.02	106413	10

Cover For Left Reducer

PRKL...



PRKLJ...

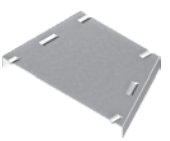
≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKLJ100/50	100	50	0.10	104810	10
PRKLJ150/100	150	100	0.13	104815	10
PRKLJ200/100	200	100	0.15	105220	10
PRKLJ200/150	200	150	0.17	105320	10
PRKLJ300/200	300	200	0.23	105230	10
PRKLJ400/300	400	300	0.32	104840	10

PRKLP...

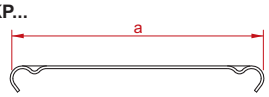
≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKLP150/100	150	100	0.20	104915	10
PRKLP200/100	200	100	0.24	105420	10
PRKLP200/150	200	150	0.26	105520	10
PRKLP300/200	300	200	0.34	105430	10
PRKLP400/300	400	300	0.49	104940	10
PRKLP500/400	500	400	0.60	104950	10
PRKLP600/500	600	500	0.71	104960	10



Cover For Right Reducer

PRKP...



PRKPJ...

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKPJ100/50	100	50	0.10	105110	10
PRKPJ150/100	150	100	0.13	105115	10
PRKPJ200/100	200	100	0.15	105820	10
PRKPJ200/150	200	150	0.17	105920	10
PRKPJ300/200	300	200	0.23	105830	10
PRKPJ400/300	400	300	0.32	105140	10

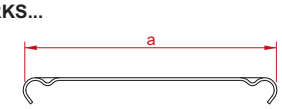
PRKPP...

≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKPP150/100	150	100	0.20	105215	10
PRKPP200/100	200	100	0.24	106820	10
PRKPP200/150	200	150	0.26	106920	10
PRKPP300/200	300	200	0.34	106830	10
PRKPP400/300	400	300	0.49	105240	10
PRKPP500/400	500	400	0.60	105250	10
PRKPP600/500	600	500	0.71	105260	10

Cover For Straight Reducer

PRKS...



PRKSJ...

≠ 1.0 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKSJ100/50	100	50	0.10	104510	10
PRKSJ150/100	150	100	0.13	104515	10
PRKSJ200/100	200	100	0.15	104620	10
PRKSJ200/150	200	150	0.17	104720	10
PRKSJ300/200	300	200	0.23	104630	10
PRKSJ400/300	400	300	0.32	104540	10

PRKSP...

≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRKSP150/100	150	100	0.20	104615	10
PRKSP200/100	200	100	0.24	104820	10
PRKSP200/150	200	150	0.26	104920	10
PRKSP300/200	300	200	0.34	104930	10
PRKSP400/300	400	300	0.49	104640	10
PRKSP500/400	500	400	0.60	104650	10
PRKSP600/500	600	500	0.71	104660	10

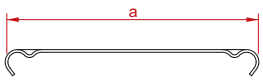
APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
E- stainless steel (SS), grade 1.4301 (AISI304)
up to 1.2 mm thickn.
L- powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0 | 3.0

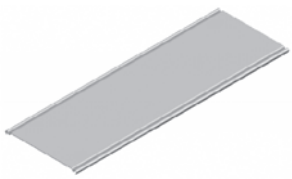
Cover For Vertical Tee - Lengthwise

PTR...



PTRJ...

CODE	Width a mm	kg 1 pc	≠ 1.0 mm Catalogue No.	Qty
PTRJ50	50	0.09	103605	20
PTRJ100	100	0.19	103610	20
PTRJ150	150	0.34	103615	20
PTRJ200	200	0.52	103620	20
PTRJ300	300	1.08	103630	10
PTRJ400	400	1.76	103640	10

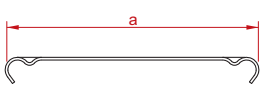


PTRP...

CODE	Width a mm	kg 1 pc	≠ 1.5 mm Catalogue No.	Qty
PTRP100	100	0.28	103710	20
PTRP150	150	0.51	103715	20
PTRP200	200	0.79	103720	20
PTRP300	300	1.61	103730	10
PTRP400	400	3.27	103740	10
PTRP500	500	3.90	103750	10
PTRP600	600	5.30	103760	10

Cover For Vertical Tee - Crosswise

PTRS...



PTRSJ...

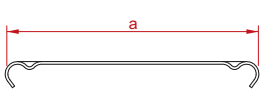
CODE	Width a mm	kg 1 pc	≠ 1.0 mm Catalogue No.	Qty
PTRSJ50	50	0.22	103905	20
PTRSJ100	100	0.36	103910	20
PTRSJ150	150	0.50	103915	20
PTRSJ200	200	0.64	103920	20
PTRSJ300	300	0.92	103930	10
PTRSJ400	400	1.20	103940	10

PTRSP...

CODE	Width a mm	kg 1 pc	≠ 1.5 mm Catalogue No.	Qty
PTRSP100	100	0.54	104010	20
PTRSP150	150	0.75	104015	20
PTRSP200	200	0.96	104020	20
PTRSP300	300	1.38	104030	10
PTRSP400	400	1.80	104040	10
PTRSP500	500	2.22	104050	10
PTRSP600	600	2.64	104060	10

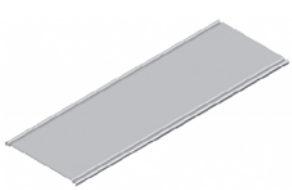
Cover For Vertical Elbow

PKR...



PKRJ...

CODE	Width a mm	kg 1 pc	≠ 1.0 mm Catalogue No.	Qty
PKRJ50	50	0.07	104205	20
PKRJ100	100	0.16	104210	20
PKRJ150	150	0.30	104215	20
PKRJ200	200	0.48	104220	20
PKRJ300	300	1.02	104230	10
PKRJ400	400	1.68	104240	10



PKRP...

CODE	Width a mm	kg 1 pc	≠ 1.5 mm Catalogue No.	Qty
PKRP100	100	0.25	104310	20
PKRP150	150	0.46	104315	20
PKRP200	200	0.72	104320	20
PKRP300	300	1.53	104330	10
PKRP400	400	2.52	104340	10
PKRP500	500	3.74	104350	10
PKRP600	600	5.21	104360	10

APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

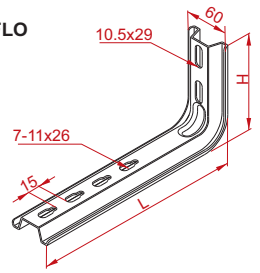
MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
E- stainless steel (SS), grade 1.4301 (AISI304)
up to 1.2 mm thickn.
L- powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0 | 3.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

WFL/WFLO



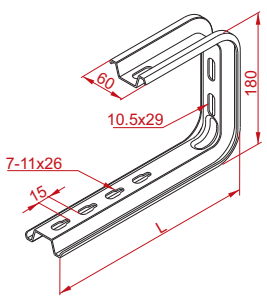
WFL/WFLO...

± 2.0 mm

CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WFL/WFLO100	170	120	0.30	720110	30
WFL/WFLO150	220	130	0.37	720115	30
WFL/WFLO200	260	130	0.43	720120	30
WFL/WFLO300	360	130	0.58	720130	20
WFL/WFLO400	460	130	0.72	720140	20
WFL/WFLO500	560	130	0.85	720150	20
WFL600	660	130	1.00	720160	20

For assembly cable trays use 2 Set SGNM6x12

WFC/WFCO

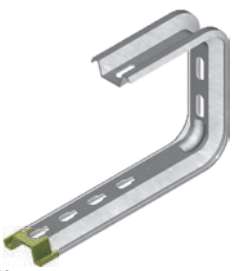


WFC/WFCO...

± 2.0 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WFC/WFCO100	165	0.47	720310	20
WFC/WFCO150	205	0.53	720315	20
WFC/WFCO200	255	0.60	720320	20
WFC/WFCO300	355	0.73	720330	20
WFC/WFCO400	455	0.86	720340	20

For assembly cable trays use 2 Set SGNM6x12

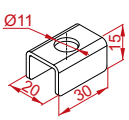


MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
F - stal cynkowana metodą zanurzeniową
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

APPLICATION
Suspending cable routes.

Spacer

PD11



PD11

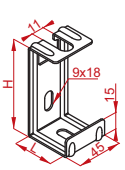
± 2.0 mm

CODE	Dimension ∅ mm	kg 1 pc	Catalogue No.	Qty
PD11	11	0.03	803100	100

APPLICATION
Used together with WFL/WFLO and WFC/WFCO as well as with Snap-In support PMC/PMCO helps to secure firm assembly.

Side Holder

WC50



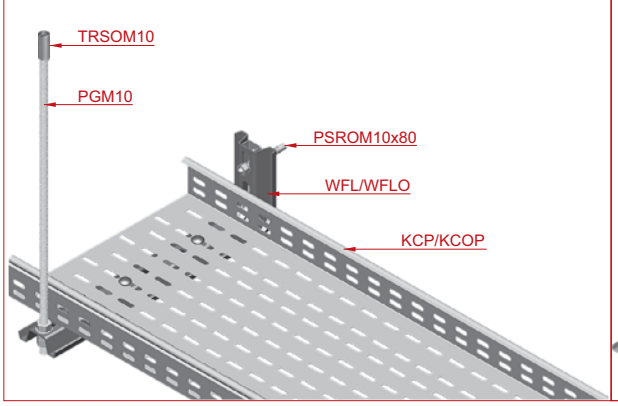
WC50

CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WC50	52	78	0.10	730304	100

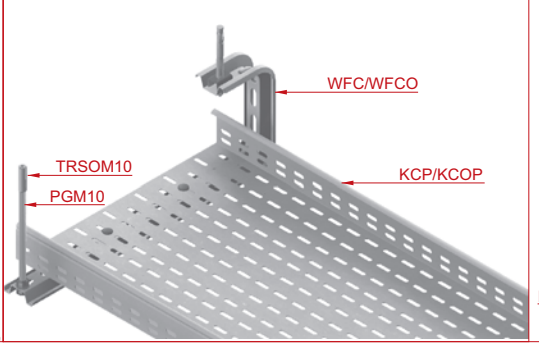
MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

APPLICATION
Suspending cable routes.

Application Example of WFL/WFLO...



Application Example of WFC/WFCO...



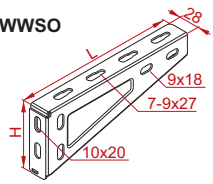
Application Example of WC50

Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

WWS/WWSO



WWS/WWSO...

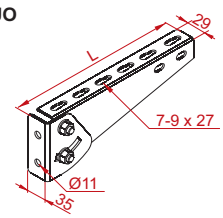
± 2.0 mm

CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	
WWS/WWSO100	122	80	0.19	**710510**	50
WWS/WWSO150	172	80	0.28	**710515**	50
WWS/WWSO200	222	90	0.38	**710520**	30
				± 2.5 mm	
WWS/WWSO300	322	115	0.77	**710530**	30
WWS/WWSO400	422	115	1.20	**710540**	20

For assembly cable trays use min. 2 Set SGKM6x12

Variable Bracket

WU/WUO



APPLICATION
Supporting cable trays, ladders and wire mesh cable trays.

WU/WUO...

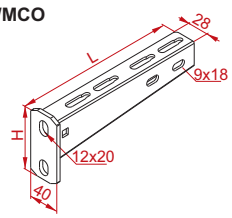
CODE	Length L mm	kg 1 pc	Catalogue No.	
WU/WUO100	145	0.22	**805210**	30
WU/WUO200	245	0.34	**805220**	30
WU/WUO300	345	0.45	**805230**	30
WU/WUO400	445	0.64	**805240**	20

For assembly cable trays use min. 2 Set SGKM6x12

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p .4)

Bracket

WMC/WMCO



APPLICATION
Supporting cable trays, ladders and wire mesh cable trays.

WMC/WMCO...

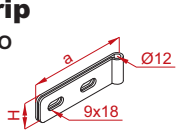
CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	
WMC/WMCO100	115	95	0.22	**711110**	50
WMC/WMCO150	165	95	0.29	**711115**	50
WMC/WMCO200	215	95	0.36	**711120**	20
WMC/WMCO300	315	120	0.43	**711130**	20
WMC/WMCO400	415	120	0.83	**711140**	20
WMC/WMCO500	515	130	0.96	**711150**	20
WMC/WMCO600	615	130	1.15	**711160**	20

For assembly cable trays use min. 2 Set SGKM6x12

MATERIAL
Steel, hot-dip galvanised to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Rod Grip

UPW/UPWO



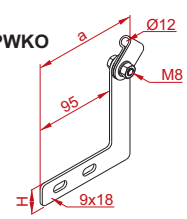
UPW/UPWO

± 2.0 mm

CODE	Width a mm	Height H mm	Catalogue No.	
UPW/UPWO	95	25	**750100**	100

For assembly to bracket use 2 Set Screw SGKM8x14

UPWK/UPWKO



APPLICATION
Alternative to attach threaded rod support at the end of the bracket to enhance their mechanical properties.
WU/WUO, WMC/WMCO and WWS/WWSO.

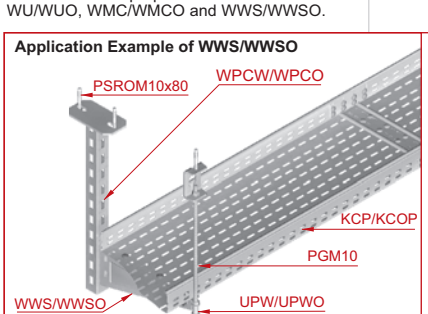
UPWK/UPWKO

CODE	Width a mm	Height H mm	Catalogue No.	
UPWK/UPWKO	128	25	**752900**	50

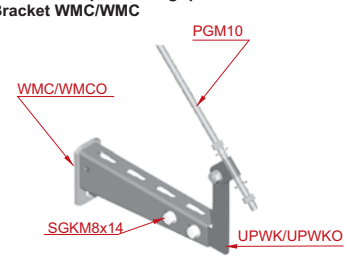
For assembly to bracket use 2 Set Screw SGKM8x14

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

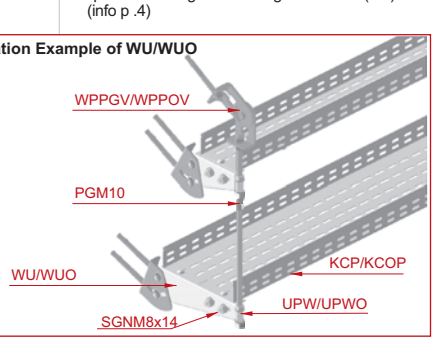
Application Example of WWS/WWSO



Application Example of rod grip UPWK/UPWKO with Bracket WMC/WMC



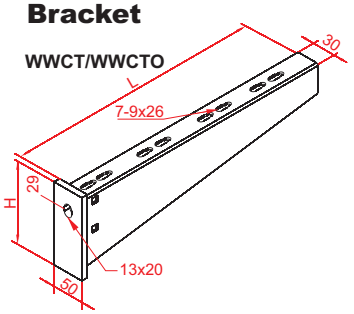
Application Example of WU/WUO



Thickn. (ga) ± [mm]:

Bracket

WWCT/WWCTO

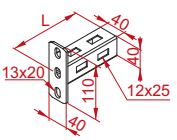


WWCT/WWCTO...

CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WWCT/WWCTO200	220	90	0.70	**713020**	10
WWCT/WWCTO300	320	110	0.95	**713030**	8
WWCT/WWCTO400	420	130	1.49	**713040**	8

For assembly cable trays use min. 2 Set SGKM6x12

WPT/WPTO100



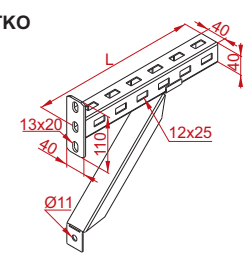
WPT/WPTO100

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPT/WPTO100	115	0.48	**710910**	30

For assembly cable trays use 2 Set SGKM6x12

Bracket (Set)

WPTKO



APPLICATION
Supporting cable trays, ladders and wire mesh cable trays.

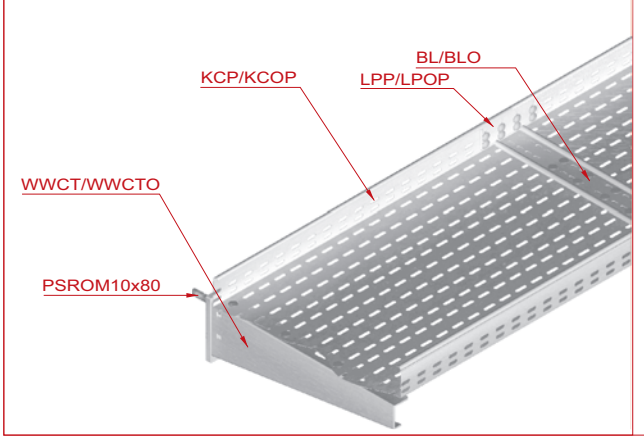
WPTKO...

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPTKO200	215	0.85	**800920**	30
WPTKO300	315	1.02	**800930**	30
WPTKO400	415	1.28	**800940**	20

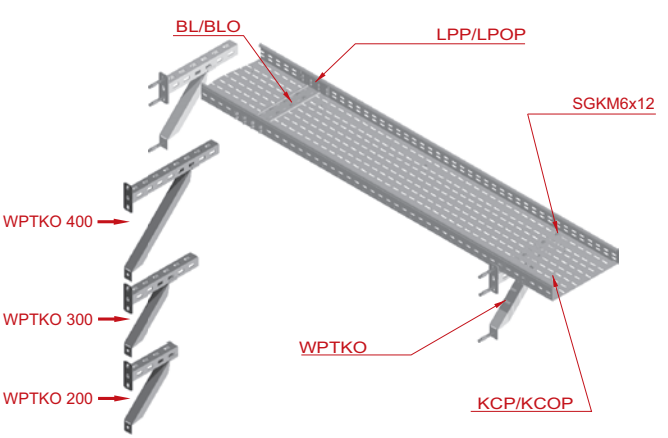
For assembly cable trays use min. 2 Set SGKM6x12

MATERIAL
Steel, hot-dip galvanised
to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p .4)

Application Example of WWCT/WWCTO



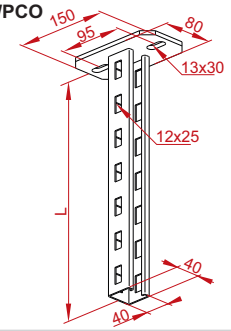
Application Example of WPTKO



Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Ceiling Bracket

WPCW/WPCO

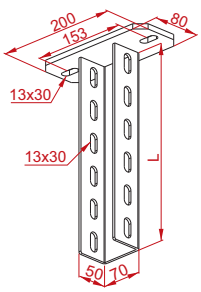


WPCW/WPCO...

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPCW/WPCO200	200	0.90	750620	20
WPCW/WPCO300	300	1.10	750630	20
WPCW/WPCO400	400	1.30	750640	10
WPCW/WPCO500	500	1.47	750650	10
WPCW/WPCO600	600	1.67	750660	10
WPCW/WPCO700	700	1.86	750670	10
WPCW/WPCO800	800	2.10	750680	10
WPCW/WPCO900	900	2.25	750690	10
WPCW/WPCO1000	1000	2.45	750611	10
WPCW/WPCO1100	1100	2.70	750511	10
WPCW/WPCO1200	1200	2.95	750512	10
WPCW/WPCO1500	1500	3.26	750515	4
WPCW/WPCO2000	2000	4.90	750612	4
WPCW/WPCO3000	3000	6.35	750613	4

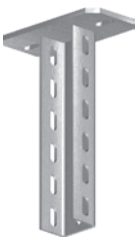
Ceiling Bracket

WPCE/WPCEO



WPCE/WPCEO...

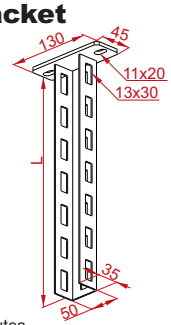
CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPCE/WPCEO200	200	2.32	721520	10
WPCE/WPCEO300	300	2.66	721530	10
WPCE/WPCEO400	400	3.04	721540	4
WPCE/WPCEO500	500	3.42	721550	4
WPCE/WPCEO600	600	3.80	721560	4
WPCE/WPCEO700	700	4.18	721570	4
WPCE/WPCEO800	800	4.56	721580	2
WPCE/WPCEO900	900	4.94	721590	2
WPCE/WPCEO1000	1000	5.32	721511	2
WPCE/WPCEO1100	1100	5.85	721411	2
WPCE/WPCEO1200	1200	6.38	721412	2
WPCE/WPCEO1500	1500	4.56	721415	2
WPCE/WPCEO2000	2000	9.12	721512	2
WPCE/WPCEO3000	3000	12.92	721513	2



MATERIAL
Stal cynkowana metodą
zanurzeniową to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Ceiling Bracket

WPCB



APPLICATION
Suspending cable routes.

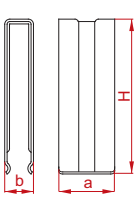
WPCB...

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPCB200	200	0.72	752002	10
WPCB300	300	0.88	752003	10
WPCB400	400	1.04	752004	10
WPCB500	500	1.18	752005	6
WPCB600	600	1.34	752006	6
WPCB700	700	1.48	752007	2
WPCB800	800	1.68	752008	2
WPCB900	900	1.80	752009	2
WPCB1000	1000	1.96	752010	2
WPCB2000	2000	3.52	752020	2
WPCB3000	3000	5.08	752030	2

MATERIAL
Stal cynkowana metodą
zanurzeniową to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Spacer

BR...



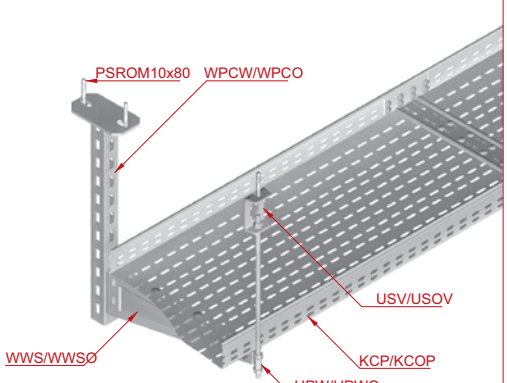
APPLICATION
Used as spacer protecting against crushing steel profile during installation

BR...

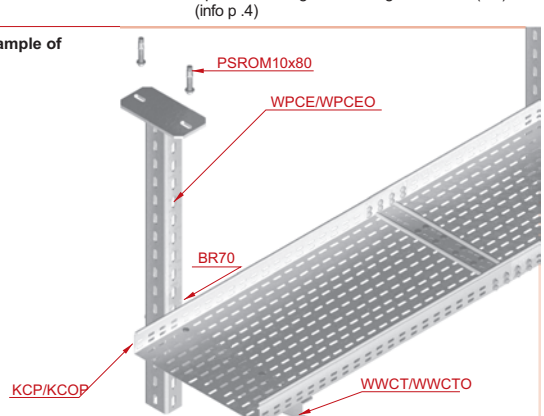
CODE	Width a mm	Height H mm	Dimension b mm	Catalogue No.	Qty
BR40	35	100	15	700100	50
BR55	47	140	15	700300	50
BR70	60	140	15	700400	50

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Application Example of WPCW/WPCO



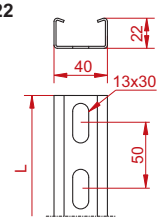
Application Example of WPCE/WPCEO



Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Support Channel

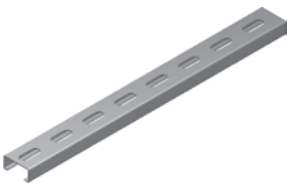
CWP40H22



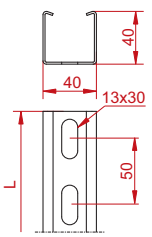
CWP40H22...

≠ 1.5 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
CWP40H22/02	200	0.21	610202	50
CWP40H22/03	300	0.31	610203	50
CWP40H22/04	400	0.41	610204	30
CWP40H22/05	500	0.52	610205	30
CWP40H22/06	600	0.62	610206	30
CWP40H22/07	700	0.72	610207	30
CWP40H22/1	1000	1.03	610210	8
CWP40H22/2	2000	2.06	610220	8
CWP40H22/3	3000	3.09	610230	8
CWP40H22/6	6000	6.18	610260	8



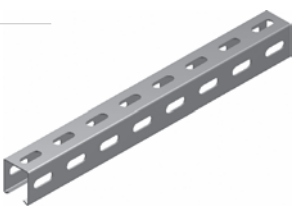
CWP/CWOP40H40



CWP/CWOP40H40...

≠ 1.5 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
CWP/CWOP40H40/02	200	0.26	611102	30
CWP/CWOP40H40/03	300	0.39	611103	30
CWP/CWOP40H40/04	400	0.52	611104	30
CWP/CWOP40H40/05	500	0.65	611105	30
CWP/CWOP40H40/06	600	0.71	804106	30
CWP/CWOP40H40/07	700	0.84	804107	30
CWP/CWOP40H40/1	1000	1.30	611110	8
CWP/CWOP40H40/2	2000	2.60	611120	8
CWP/CWOP40H40/3	3000	3.90	611130	8
CWP/CWOP40H40/6	6000	7.80	611160	8

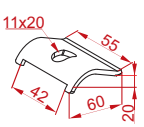


APPLICATION
Used for suspending lighting, and as construction element for installing wire mesh cable trays, and ladders.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
(sections up to 3m)
L - powder coating in a full range of colours (PC)
(info p .4)

Hold Down Clamp

UDC



UDC

≠ 6.0 mm

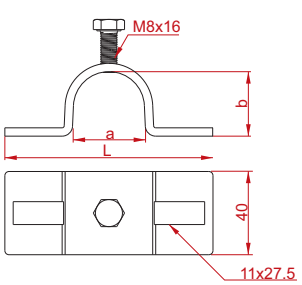
CODE	kg 1 pc	Catalogue No.	Qty
UDC	0.16	750806	50

APPLICATION
Suspending cable routes.

MATERIAL
Steel galvanized using zinc flake coating
method PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (only special performance)
L- powder coating in a full range of colours (PC) (info p .4)

Pipe Clamp

OBR



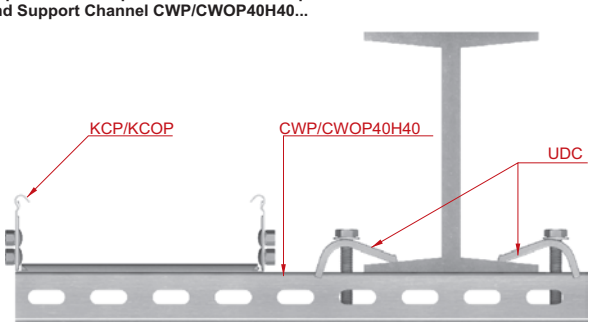
OBR...

CODE	Dimension a mm	Dimension b mm	Length L mm	kg 1 pc	Catalogue No.	Qty
OBR25	25	23	116	0.16	753300	50
OBR35	35	33	104	0.16	753400	50

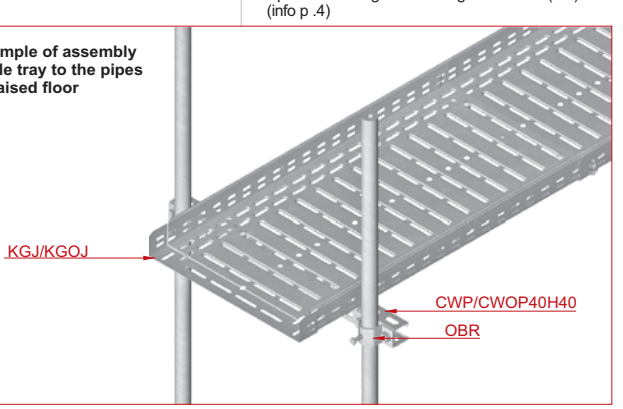
APPLICATION
Fixing Support channels CWP/CWOP40H40
to the pipes in raised floor

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Application Example of Hold Down Clamp UDC and Support Channel CWP/CWOP40H40...



Example of assembly cable tray to the pipes in raised floor

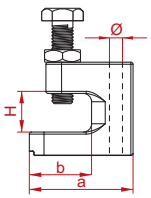


Thickn. (ga) ≠ [mm]: 1.5 2.0 2.5 3.0 4.0 5.0 6.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Beam Clamp

ZK



APPLICATION
Used for fixing threaded rod to I-Beams, sections, etc.

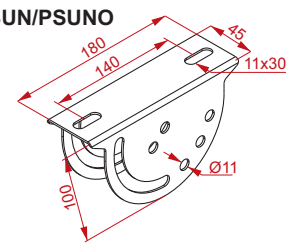
ZK...

CODE	Dia. Ø mm	Dimension a mm	Dimension b mm	Dimension H mm	kg 1 pc	Catalogue No.	Qty
ZK8/19	9	38	21	19	0.14	752208	100
ZK10	11	45	23	22	0.14	752210	50

MATERIAL
Forged steel, galvanized
Available finishes:
F- forged steel, zinc flake coated to PN-EN ISO 10683:2014-09

Head Plate - Variable

PSUN/PSUNO



APPLICATION
Suspending cable routes. Advantages of variable head plate: smooth angle adjustment or adjustment with regulation screw.

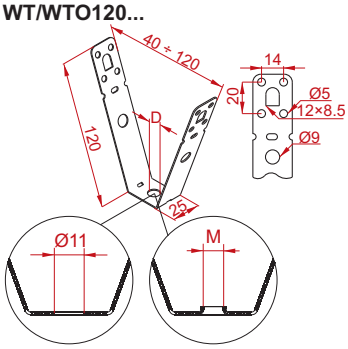
PSUN/PSUNO

≠ 2.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
PSUN/PSUNO	0.45	741518	30

Trapezoidal Ceiling Bracket

WT/WTO120...



APPLICATION
Piece used together with threaded rod to support wire mesh cable tray to the trapezoidal decking sheet

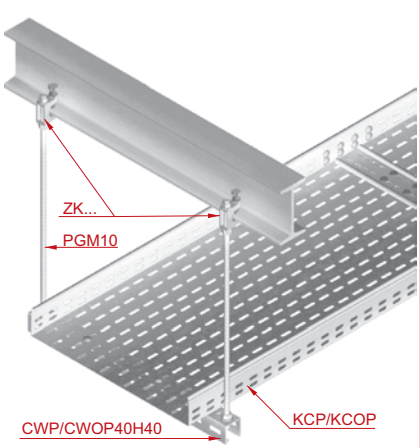
WT/WTO120...

≠ 2.5 mm

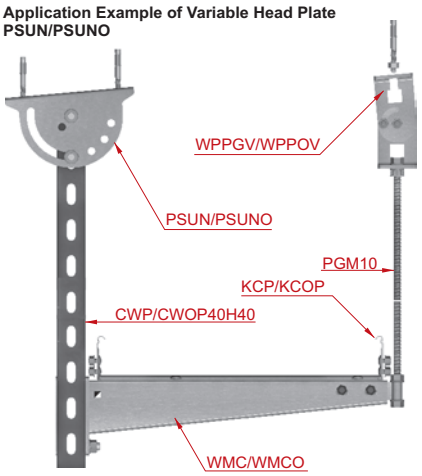
CODE	Dimension D mm	Max. Load F_{max}[kN]	Catalogue No.	Qty
WT/WTO120Ø11	Ø11	1.20	730712	100
WT/WTO120M6	M6	1.20	730512	100
WT/WTO120M8	M8	1.20	730612	100

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

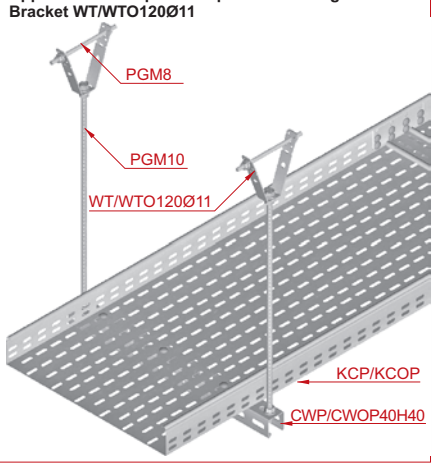
Application Example of Beam Clamp ZK...



Application Example of Variable Head Plate PSUN/PSUNO



Application Example of Trapezoidal Ceiling Bracket WT/WTO120Ø11

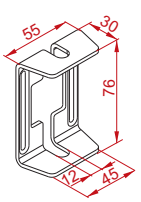


Thickn. (ga) ≠ [mm]: 1.0 1.2 1.5 2.0 2.5

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Rod Hanger

US12/USO12



APPLICATION
Suspending cable routes.

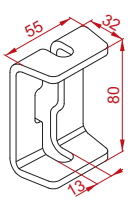
US12/USO12

≠ 3.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
US12/USO12	0.14	750508	100

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

USV/USOV



APPLICATION
Suspending cable routes.

USV/USOV

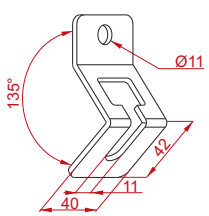
≠ 5.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
USV/USOV	0.21	750709	50

MATERIAL
Steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Rod Hanger

WKPO



APPLICATION
Suspending cable routes.

WKPO

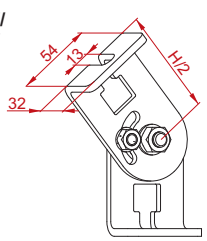
≠ 3.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
WKPO	0.15	750809	100

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304).
L - powder coating in a full range of colours (PC) (info p .4)

Articulated Rod Hanger

WPPGV/ WPPOV



APPLICATION
Suspending cable routes on walls and floors at an angle.

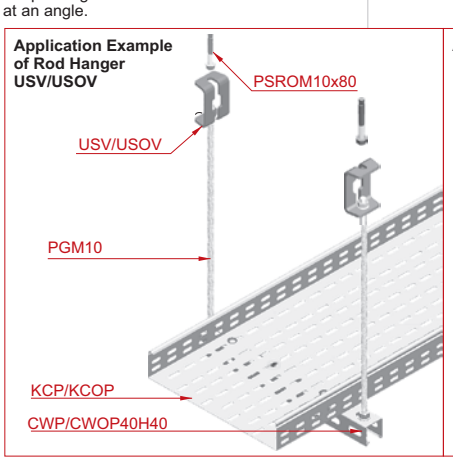
WPPGV/WPPOV

≠ 5.0 mm

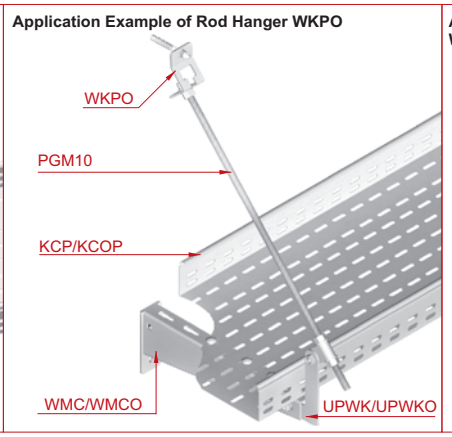
CODE	Height H mm	kg 1 pc	Catalogue No.	Qty
WPPGV/WPPOV	126	0.41	731401	50

MATERIAL
Steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

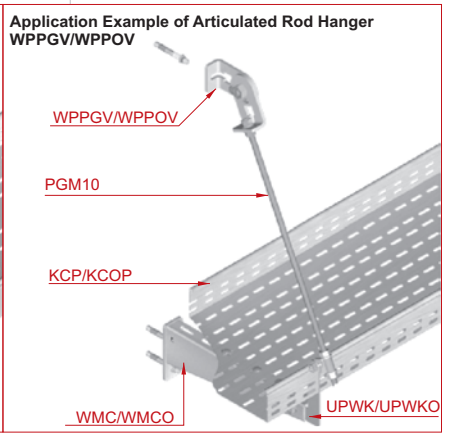
Application Example of Rod Hanger USV/USOV



Application Example of Rod Hanger WKPO



Application Example of Articulated Rod Hanger WPPGV/WPPOV

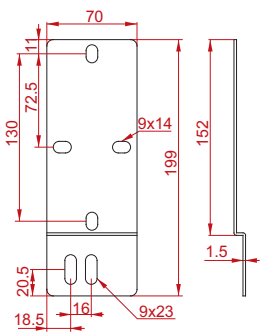


Thickn. (ga) ≠ [mm]: 2.0 2.5 3.0 4.0 5.0 6.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Universal Mounting Plate

UPU



UPU

≠ 1.5 mm

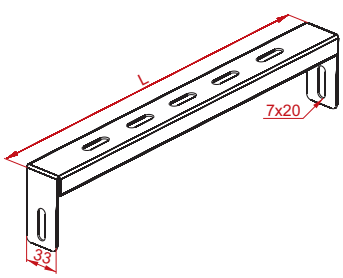
CODE	kg 1 pc	Catalogue No.	Qty
UPU	0.10	**800809**	20

For the Mounting Plate assembly should be used:
- for the Mounting Plate: SGKM6x12 Screw
- for the Cable Tray: SGKM6x12 Screw

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Mounting Plate

UPPO



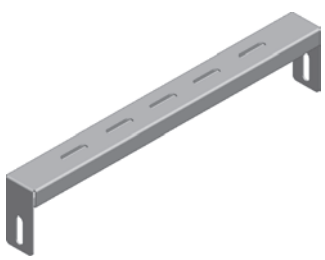
UPPO...

≠ 1.5 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
UPPO100	105	0.13	**800506**	20
UPPO150	155	0.18	**800511**	20
UPPO200	205	0.23	**800606**	20
UPPO300	305	0.31	**800706**	10
UPPO400	405	0.39	**800806**	10
UPPO500	505	0.47	**800707**	10
UPPO600	605	0.56	**800808**	10

For the Mounting Plate assembly should be used:
- for the Mounting Plate: 2 sets of srew SGKM6x16
- for the Cable Tray: 2 sets of screw SGKM6x12

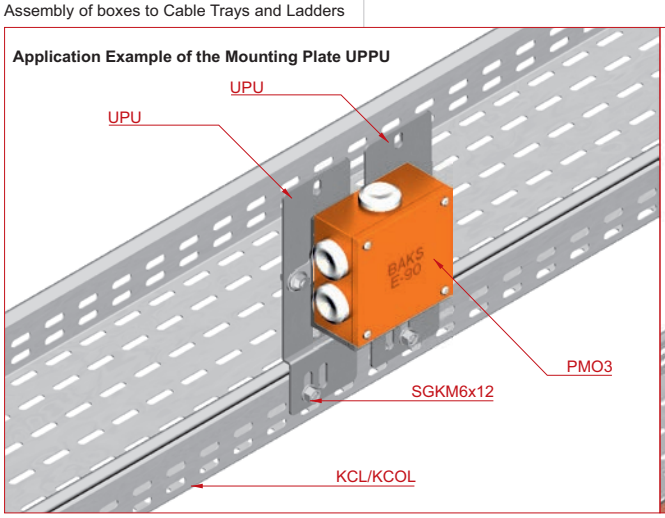
Note!
-to fix the box 2 Mounting Plates UPPO should be used for 100 and 150 mm wide Cable Trays



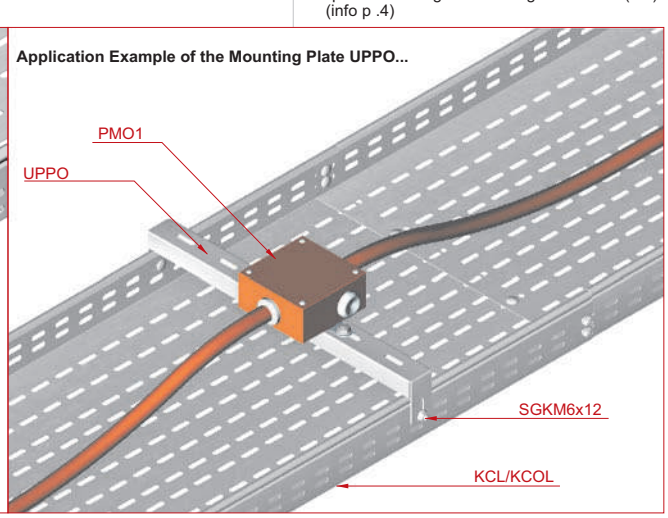
MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Assembly of boxes to Cable Trays and Ladders

Application Example of the Mounting Plate UPPU



Application Example of the Mounting Plate UPPO...

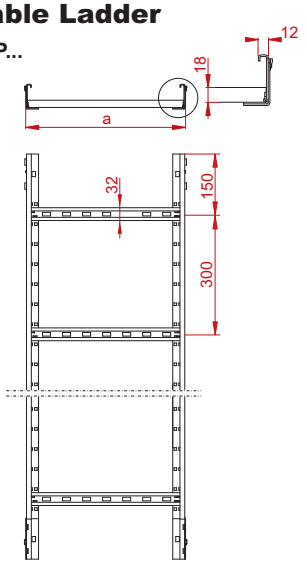


Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Available in the fourth quarter of 2017

Cable Ladder

DFP...



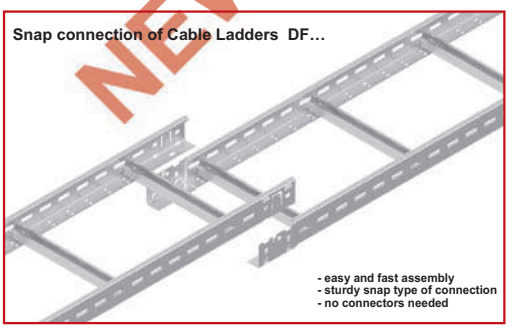
DFP...H60

≠ 1.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DFP100H60/3	100	3000	2.42	466111	4/12
DFP200H60/3	200	3000	2.69	466121	4/12
DFP300H60/3	300	3000	2.97	466131	2/6
DFP400H60/3	400	3000	3.38	466141	2/6

NEW

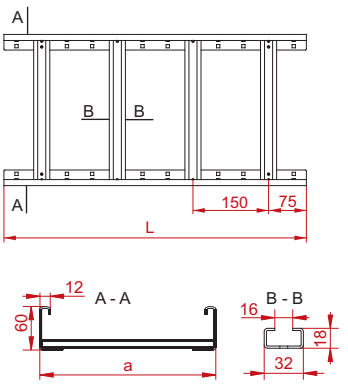
Snap connection of Cable Ladders DF...



MATERIAL
Steel, strip-galv. acc. to the Sendzimir method
PN-EN 10346:2015-09

Cable Ladder

DGO...



DGOD...H60N

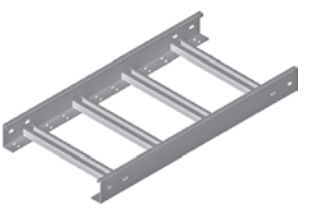
≠ 1.2 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DGOD100H60/3N	100	3000	2.01	867010	2/6
DGOD100H60/6N	100	6000	2.01	867110	2/12
DGOD200H60/3N	200	3000	2.24	867020	2/6
DGOD200H60/6N	200	6000	2.24	867120	2/12
DGOD300H60/3N	300	3000	2.47	867030	2/6
DGOD300H60/6N	300	6000	2.47	867130	2/12
DGOD400H60/3N	400	3000	2.81	867040	2/6
DGOD400H60/6N	400	6000	2.81	867140	2/12

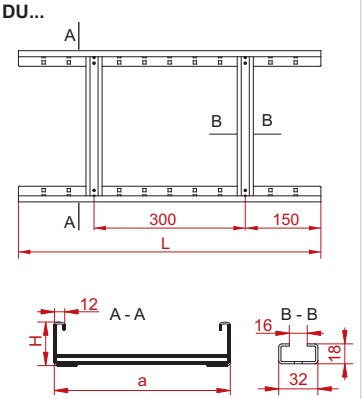
DGOP...H60N

≠ 1.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DGOP100H60/3N	100	3000	2.67	863013	2/6
DGOP100H60/6N	100	6000	2.67	863010	2/12
DGOP200H60/3N	200	3000	3.39	863023	2/6
DGOP200H60/6N	200	6000	3.39	863020	2/12
DGOP300H60/3N	300	3000	3.72	863033	2/6
DGOP300H60/6N	300	6000	3.72	863030	2/12
DGOP400H60/3N	400	3000	4.38	863043	2/6
DGOP400H60/6N	400	6000	4.38	863040	2/12
DGOP500H60/3N	500	3000	4.51	863053	2/6
DGOP500H60/6N	500	6000	4.51	863050	2/12
DGOP600H60/3N	600	3000	4.99	863063	2/6
DGOP600H60/6N	600	6000	4.99	863060	2/12



DU...



DUD...H60N

≠ 1.2 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DUD100H60/3N	100	3000	2.01	466010	4/12
DUD100H60/6N	100	6000	2.01	466110	2/12
DUD200H60/3N	200	3000	2.24	466020	4/12
DUD200H60/6N	200	6000	2.24	466120	2/12
DUD300H60/3N	300	3000	2.47	466030	2/6
DUD300H60/6N	300	6000	2.47	466130	2/12
DUD400H60/3N	400	3000	2.81	466040	2/6
DUD400H60/6N	400	6000	2.81	466140	2/12

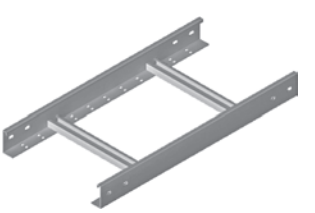
DUP/DUOP...H60

≠ 1.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DUP/DUOP100H60/3	100	3000	2.41	466310	2/6
DUP/DUOP100H60/6	100	6000	2.41	466410	2/12
DUP/DUOP200H60/3	200	3000	2.69	466320	2/6
DUP/DUOP200H60/6	200	6000	2.69	466420	2/12
DUP/DUOP300H60/3	300	3000	2.97	466330	2/6
DUP/DUOP300H60/6	300	6000	2.97	466430	2/12
DUP/DUOP400H60/3	400	3000	3.38	466340	2/6
DUP/DUOP400H60/6	400	6000	3.38	466440	2/12

Max. safe load: 20 kg/m
Max. spacing of supports: 1.5 m

- to join 2 Cable Ladders use 2 pcs. of LDC/LDOCH60 Connectors and 8 sets of screw SGKM8×14
- to change direction of cable route with Cable Ladders in vertical run use 2 pcs. of Articulated Connectors LGC/LGOCH60, and 8 sets of screw SGKM8×14
- to change direction of cable route with Cable Ladders in horizontal run use 2 pcs. of Angle Connectors LKD/LKDOCH60, and 8 sets of screw SGKM8×14



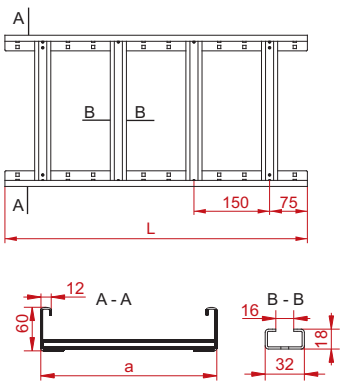
MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
L- powder coating in a full range of colours (PC) (info p .4)

APPLICATION
Cable routing

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Drabinka

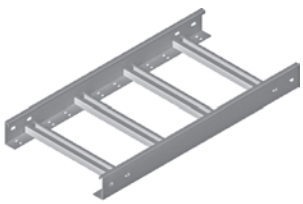
DGO...E



DGOD...H60E

≠ 1.2 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DGOD100H60/3E	100	3000	2.01	867210	2/6
DGOD200H60/3E	200	3000	2.24	867220	2/6
DGOD300H60/3E	300	3000	2.47	867230	2/6
DGOD400H60/3E	400	3000	2.81	867240	2/6

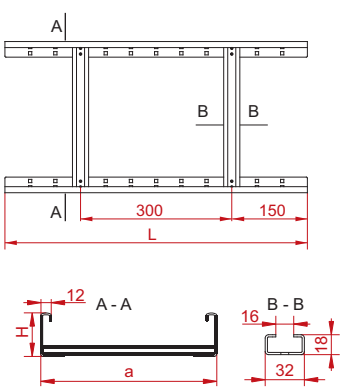


DGOP...H60E

≠ 1.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DGOP100H60/3E	100	3000	2.67	861310	2/6
DGOP200H60/3E	200	3000	3.39	861320	2/6
DGOP300H60/3E	300	3000	3.72	861330	2/6
DGOP400H60/3E	400	3000	4.51	861340	2/6
DGOP500H60/3E	500	3000	3.72	861350	2/6
DGOP600H60/3E	600	3000	4.99	861360	2/6

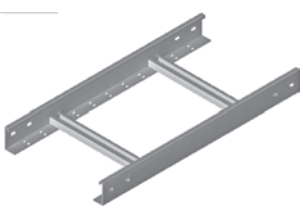
DU...E



DUD...H60E

≠ 1.2 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DUD100H60/3E	100	3000	2.01	868111	4/12
DUD200H60/3E	200	3000	2.24	868121	4/12
DUD300H60/3E	300	3000	2.47	868131	2/6
DUD400H60/3E	400	3000	2.81	868141	2/6



DUP/DUOP...H60E

≠ 1.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DUP/DUOP100H60/3E	100	3000	2.41	466311	2/6
DUP/DUOP200H60/3E	200	3000	2.69	466321	2/6
DUP/DUOP300H60/3E	300	3000	2.97	466331	2/6
DUP/DUOP400H60/3E	400	3000	3.38	466341	2/6

Max. safe load: 20 kg/m
Max. spacing of supports: 1.5 m

- to join 2 Cable Ladders use 2 pcs. of LDC/LDOCH60E Connectors and 8 sets of screw SGKM8×14E
- to change direction of cable route with Cable Ladders in vertical run use 2 pcs. of Articulated Connectors LGC/LGOCH60E, and 8 sets of screw SGKM8×14E
- to change direction of cable route with Cable Ladders in horizontal run use 2 pcs. of Angle Connectors LKD/LKDOCH60E, and 8 sets of screw SGKM8×14E

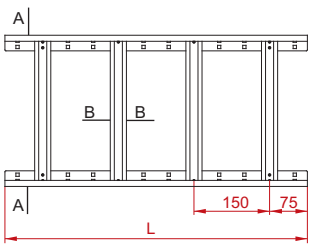
APPLICATION
Cable routing

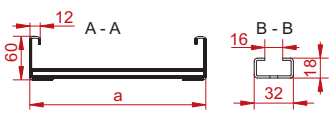
MATERIAL
Stainless steel
Available finishes:
L- powder coating in a full range of colours (PC) (info p .4)

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cable Ladder

DGO...F

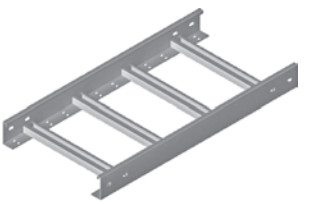




DGOD...H60F

≠ 1.2 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DGOD100H60/3F	100	3000	2.01	867510	2/6
DGOD100H60/6F	100	6000	2.01	867511	2/12
DGOD200H60/3F	200	3000	2.24	867520	2/6
DGOD200H60/6F	200	6000	2.24	867521	2/12
DGOD300H60/3F	300	3000	2.47	867530	2/6
DGOD300H60/6F	300	6000	2.47	867531	2/12
DGOD400H60/3F	400	3000	2.81	867540	2/6
DGOD400H60/6F	400	6000	2.81	867541	2/12

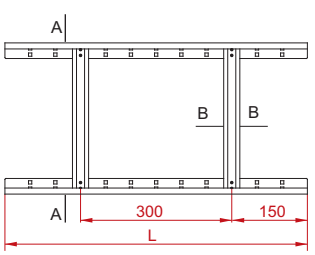


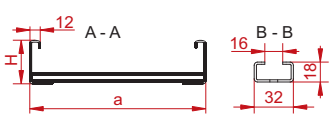
DGOP...H60F

≠ 1.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DGOP100H60/3F	100	3000	2.67	867610	2/6
DGOP100H60/6F	100	6000	2.67	867611	2/12
DGOP200H60/3F	200	3000	3.39	867620	2/6
DGOP200H60/6F	200	6000	3.39	867621	2/12
DGOP300H60/3F	300	3000	3.72	867630	2/6
DGOP300H60/6F	300	6000	3.72	867631	2/12
DGOP400H60/3F	400	3000	4.38	867640	2/6
DGOP400H60/6F	400	6000	4.38	867641	2/12
DGOP500H60/3F	500	3000	4.51	867650	2/6
DGOP500H60/6F	500	6000	4.51	867651	2/12
DGOP600H60/3F	600	3000	4.99	867660	2/6
DGOP600H60/6F	600	6000	4.99	867661	2/12

DU...F

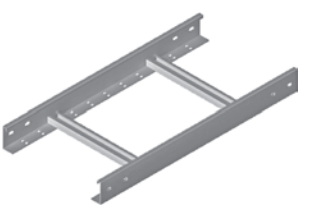




DUD...H60F

≠ 1.2 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DUD100H60/3F	100	3000	2.01	868011	4/12
DUD100H60/6F	100	6000	2.01	868012	2/12
DUD200H60/3F	200	3000	2.24	868021	4/12
DUD200H60/6F	200	6000	2.24	868022	2/12
DUD300H60/3F	300	3000	2.47	868031	2/6
DUD300H60/6F	300	6000	2.47	868032	2/12
DUD400H60/3F	400	3000	2.81	868041	2/6
DUD400H60/6F	400	6000	2.81	868042	2/12



DUP/DUOP...H60F

≠ 1.5 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
DUP/DUOP100H60/3F	100	3000	2.41	867710	2/6
DUP/DUOP100H60/6F	100	6000	2.41	867711	2/12
DUP/DUOP200H60/3F	200	3000	2.69	867720	2/6
DUP/DUOP200H60/6F	200	6000	2.69	867721	2/12
DUP/DUOP300H60/3F	300	3000	2.97	867730	2/6
DUP/DUOP300H60/6F	300	6000	2.97	867731	2/12
DUP/DUOP400H60/3F	400	3000	3.38	867740	2/6
DUP/DUOP400H60/6F	400	6000	3.38	867741	2/12

Max. safe load: 20 kg/m
Max. spacing of supports: 1.5 m

- to join 2 Cable Ladders use 2 pcs. of LDC/LDOCH60F Connectors, and 8 sets of screw SGKFM8×14
- to change direction of cable route with Cable Ladders in vertical run use 2 pcs. of Articulated Connectors LGC/LGOCH60F, and 8 sets of screw SGKFM8×14
- to change direction of cable route with Cable Ladders in horizontal run use 2 pcs. of Angle Connectors LKD/LKDOCH60F, and 8 sets of screw SGKFM8×14

APPLICATION
Cable routing

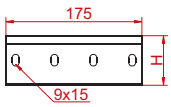
MATERIAL
Steel, strip-galvanized
acc. to PN-EN ISO 1461:2011 (HDG)
Available finishes:
L- powder coating in a full range of colours (PC) (info p .4)

Thickn. (ga) ≠ [mm]:

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Connector

LDC/LDOCH60



APPLICATION
Joining Cable routes.

LDC/LDOCH60

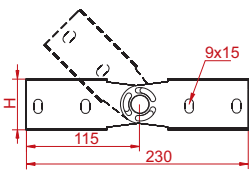
± 2.0 mm

CODE	Height H mm	kg 1 pc	Catalogue No.	Qty
LDC/LDOCH60	65	0.31	461001	50

For the assembly use 4 sets of screw SGKM8x14

Articulated Connector

LGC/LGOCH60



LGC/LGOCH60

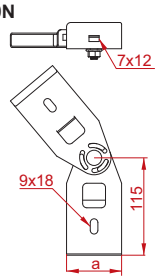
± 2.0 mm

CODE	Height H mm	kg 1 pc	Catalogue No.	Qty
LGC/LGOCH60	65	0.20	461301	50

For the assembly use 4 sets of screw SGKM8x14

Articulated Connector - Attachable

LDDCH60N



APPLICATION
Joining Cable routes at an angle.
Full-range angle adjustment.

LDDCH60N

± 2.0 mm

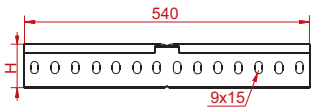
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LDDCH60N	65	0.20	461201	50

2 sets of SGKM6x14 Screw should be used while screwing to the bottom part of ladder side, or 2 sets of SGKM8x14 while screwing directly to the ladder side

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Angle Connector

LKDC/LKDOCH60



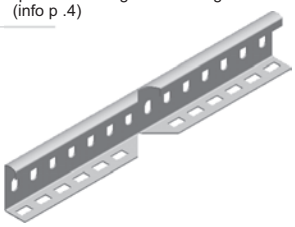
APPLICATION
Joining Cable routes at an angle.

LKDC/LKDOCH60

± 2.0 mm

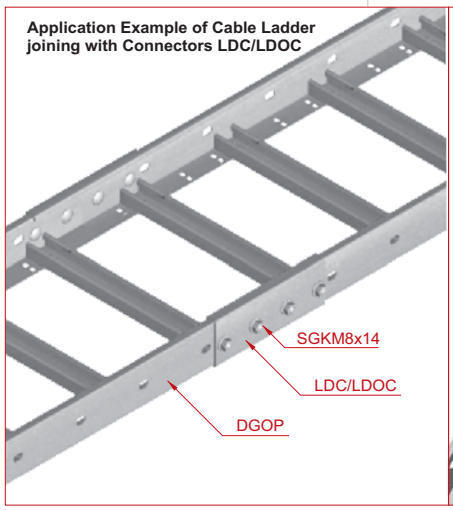
CODE	Height H mm	kg 1 pc	Catalogue No.	Qty
LKDC/LKDOC	65	0.58	461101	20

For the assembly use 4 sets of screw SGKM8x14

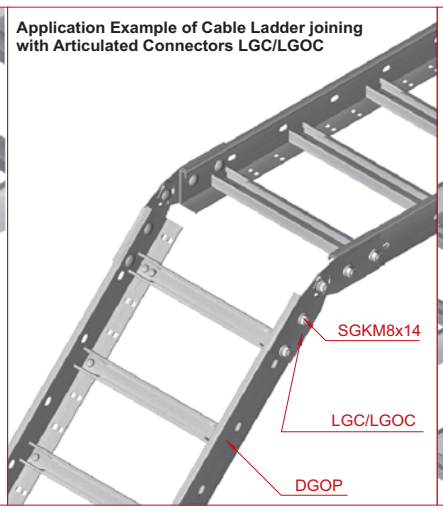


MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

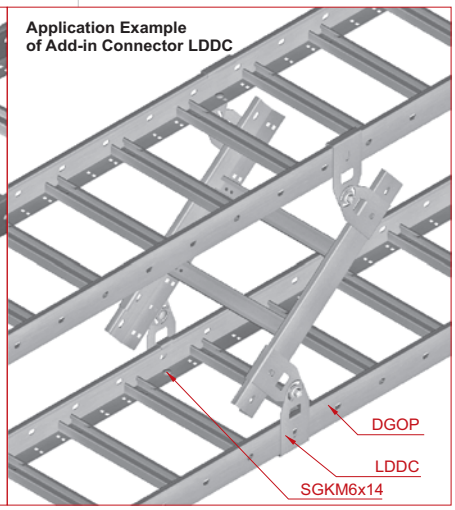
Application Example of Cable Ladder joining with Connectors LDC/LDOC



Application Example of Cable Ladder joining with Articulated Connectors LGC/LGOC



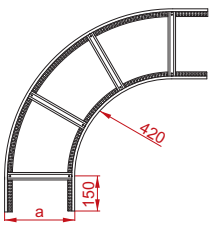
Application Example of Add-in Connector LDDC



Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

90° Horizontal Bend

LDP/LDOP



LDP/LDOP...H60

± 1.5 mm

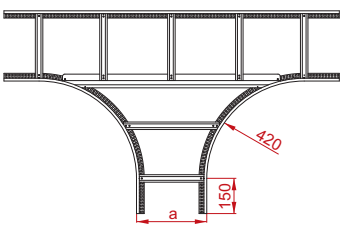
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LDP/LDOP100H60	100	2.79	466810	2
LDP/LDOP200H60	200	3.35	466820	2
LDP/LDOP300H60	300	3.91	466830	2
LDP/LDOP400H60	400	4.47	466840	2
LDP/LDOP500H60	500	5.03	466850	2
LDP/LDOP600H60	600	5.58	466860	2

For assembly use 4 pcs of Straight connectors LDC/LDOCH60 and 16 sets of screw SGKM8x14

APPLICATION
Diversions in cable routing.

Horizontal Tee

TDP/TDOP

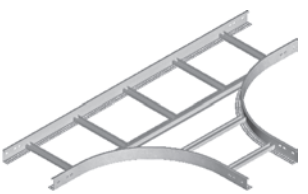


TDP/TDOP...H60

± 1.5 mm

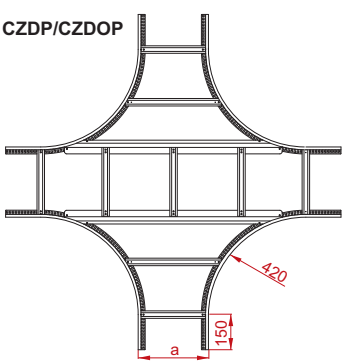
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
TDP/TDOP100H60	100	4.56	467210	2
TDP/TDOP200H60	200	5.29	467220	2
TDP/TDOP300H60	300	6.02	467230	2
TDP/TDOP400H60	400	6.75	467240	2
TDP/TDOP500H60	500	7.48	467250	2
TDP/TDOP600H60	600	8.22	467260	2

For assembly use 6 pcs of Straight connectors LDC/LDOCH60 and 24 sets of screw SGKM8x14



Horizontal Cross-over

CZDP/CZDOP

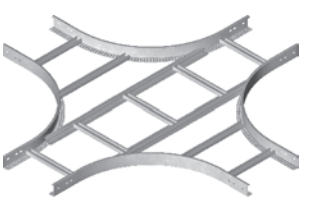


CZDP/CZDOP...H60

± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
CZDP/CZDOP100H60	100	6.19	467410	2
CZDP/CZDOP200H60	200	6.90	467420	2
CZDP/CZDOP300H60	300	7.75	467430	2
CZDP/CZDOP400H60	400	8.61	467440	2
CZDP/CZDOP500H60	500	9.47	467450	2
CZDP/CZDOP600H60	600	10.33	467460	2

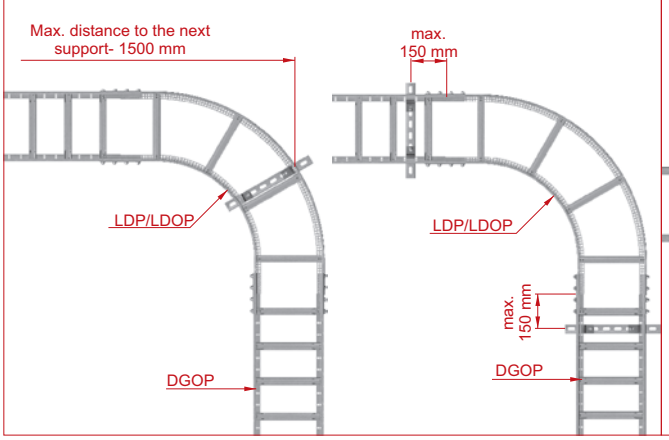
For assembly use 8 pcs of Straight connectors LDC/LDOCH60 and 32 sets of screw SGKM8x14



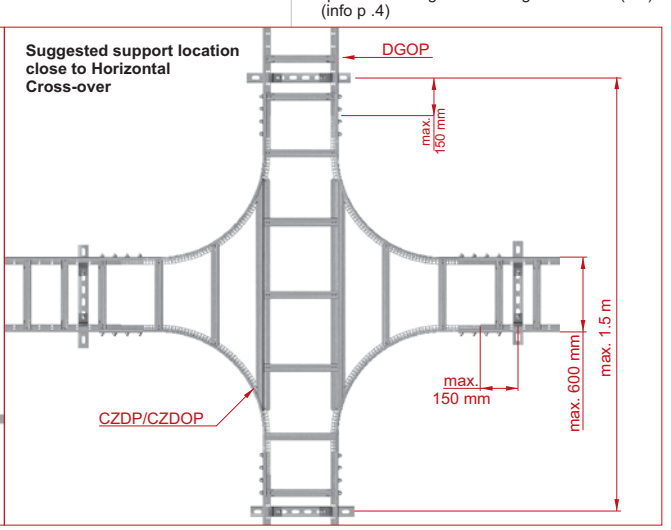
APPLICATION
Branching out cable routes.

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Suggested support location close to Horizontal Bend



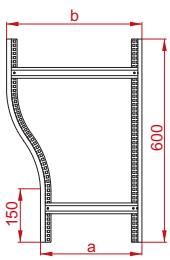
Suggested support location close to Horizontal Cross-over



Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Left Reducer

RDLP



RDLP...H60N

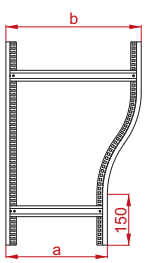
± 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
RDLP200/100H60N	200	100	1.56	468220	2
RDLP300/200H60N	300	200	1.73	468230	2
RDLP400/300H60N	400	300	1.91	468040	2
RDLP500/400H60N	500	400	2.09	468050	2
RDLP600/500H60N	600	500	2.25	468060	2

For assembly use 4 pcs of Straight connectors LDC/LDOCH60 and 16 sets of screw SGKM8x14

Right Reducer

RDPP



RDPP...H60N

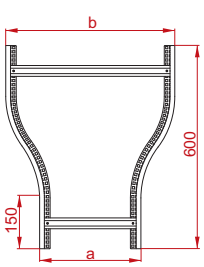
± 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
RDPP200/100H60N	200	100	1.56	468620	2
RDPP300/200H60N	300	200	1.73	468630	2
RDPP400/300H60N	400	300	1.91	468240	2
RDPP500/400H60N	500	400	2.09	468250	2
RDPP600/500H60N	600	500	2.25	468260	2

For assembly use 4 pcs of Straight connectors LDC/LDOCH60 and 16 sets of screw SGKM8x14

Straight Reducer

RDSP



RDSP...H60N

± 1.5 mm

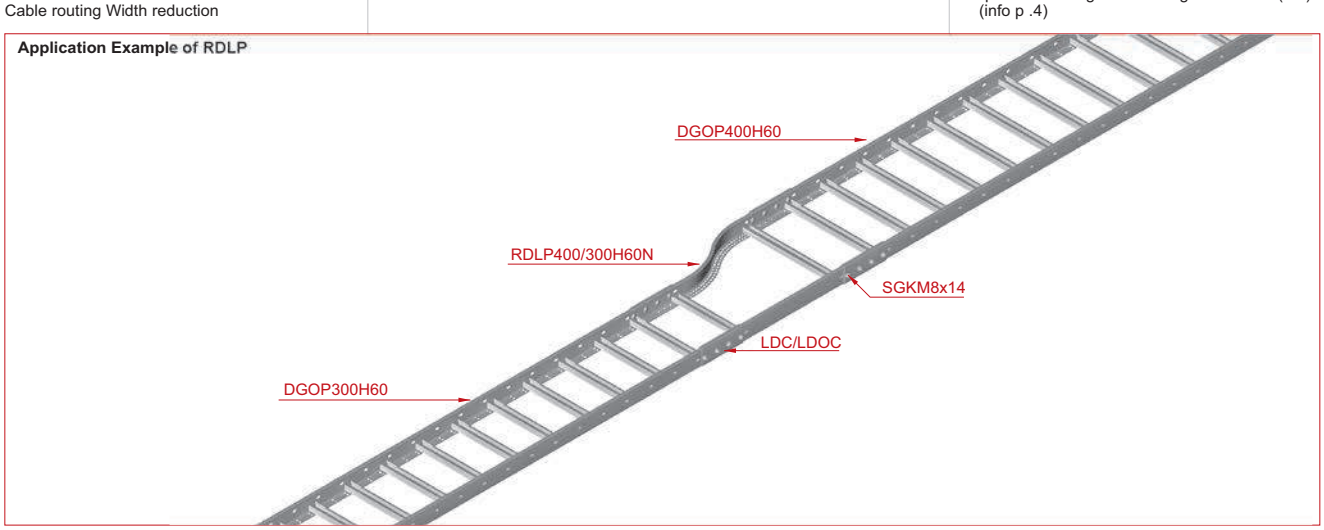
CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
RDSP200/100H60N	200	100	1.56	467820	2
RDSP300/200H60N	300	200	1.73	467830	2
RDSP400/300H60N	400	300	1.91	467840	2
RDSP500/400H60N	500	400	2.09	467850	2
RDSP600/500H60N	600	500	2.25	467860	2

For assembly use 4 pcs of Straight connectors LDC/LDOCH60 and 16 sets of screw SGKM8x14

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

APPLICATION
Cable routing Width reduction

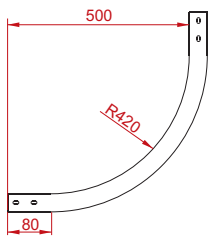
Application Example of RDLP



Thickn. (ga) ± [mm]: 0.7 1.0 1.2 1.5 2.0

Vertical Bend- Internal

LPDWP/LPDWOP



LPDWP/LPDWOP...H60

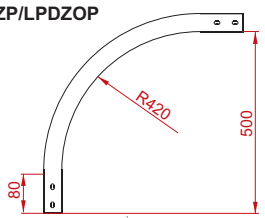
± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LPDWP/LPDWOP100H60	100	1.90	469210	1
LPDWP/LPDWOP200H60	200	2.26	469220	1
LPDWP/LPDWOP300H60	300	2.66	469230	1
LPDWP/LPDWOP400H60	400	3.02	469240	1
LPDWP/LPDWOP500H60	500	3.42	469250	1
LPDWP/LPDWOP600H60	600	3.82	469260	1

For assembly use 4 pcs of Straight connectors LDC/LDOCH60 and 16 sets of screw SGKM8x14

Vertical Bend - External

LPDZP/LPDZOP



LPDZP/LPDZOP...H60

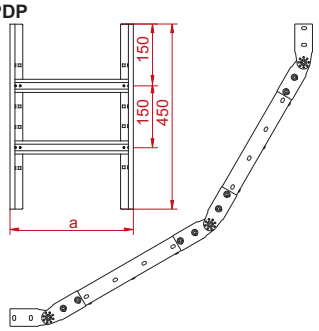
± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LPDZP/LPDZOP100H60	100	1.90	469010	1
LPDZP/LPDZOP200H60	200	2.26	469020	1
LPDZP/LPDZOP300H60	300	2.66	469030	1
LPDZP/LPDZOP400H60	400	3.02	469040	1
LPDZP/LPDZOP500H60	500	3.42	469050	1
LPDZP/LPDZOP600H60	600	3.82	469060	1

For assembly use 4 pcs of Straight connectors LDC/LDOCH60 and 16 sets of screw SGKM8x14

Adjustable Vertical Bend

LPDP



APPLICATION
Diversions in cable routing.

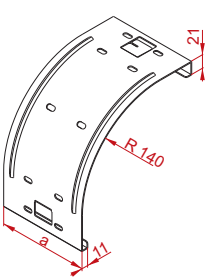
LPDP...H60N

± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
LPDP100H60N	100	4.60	467610	1
LPDP200H60N	200	4.97	467620	1
LPDP300H60N	300	5.36	467630	1
LPDP400H60N	400	5.93	467640	1
LPDP500H60N	500	6.11	467650	1
LPDP600H60N	600	6.51	467660	1

Drop-Out Plate

ZDK



APPLICATION
Protecting cables against damage at the ladder drop-out

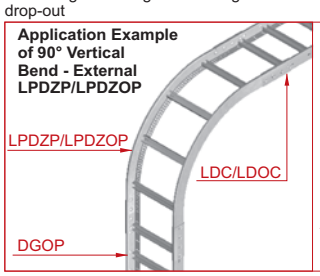
ZDK...

± 2.0 mm

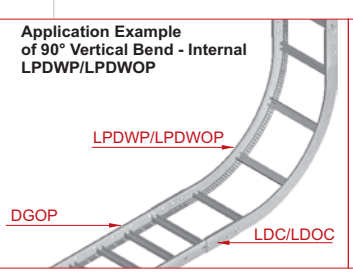
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
ZDK200	120	0.46	405001	20
ZDK300	220	0.79	405101	20
ZDK400	320	1.12	405201	10
ZDK500	420	1.45	405301	4
ZDK600	520	1.78	405401	4

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

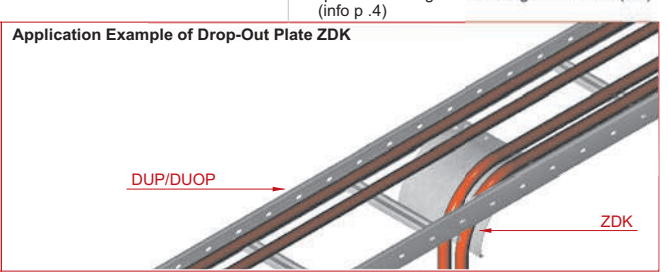
Application Example of 90° Vertical Bend - External LPDZP/LPDZOP



Application Example of 90° Vertical Bend - Internal LPDWP/LPDWOP



Application Example of Drop-Out Plate ZDK

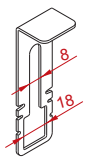


Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Cover Clamp

ZAP2



APPLICATION
Preventing the cover from slipping

ZAP2

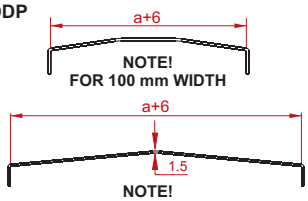
± 1.5 mm

CODE	kg 1 pc	Catalogue No.	Qty
ZAP2	0.04	140900	100

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel
L- powder coating in a full range of colours (PC) (info p .4)

Cover

PDDP



PDDP...

± 1.5 mm

CODE	Width a mm	kg 1 m	Catalogue No.	Qty/m
PDDP100/3	100	1.48	402510	10/30
PDDP200/3	200	2.71	402520	6/18
PDDP300/3	300	3.95	402530	6/18
PDDP400/3	400	5.19	402540	4/12
PDDP500/3	500	6.42	402550	4/12
PDDP600/3	600	7.66	402560	4/12

Cover for 90° Horizontal Bend

PLDP

PLDP...

± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PLDP100	100	1.27	220510	2
PLDP200	200	2.56	220520	2
PLDP300	300	4.04	220530	2
PLDP400	400	5.70	220540	2
PLDP500	500	7.55	220550	2
PLDP600	600	9.58	220560	2

Cover for Horizontal Tee

PTDP

PTDP...

± 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PTDP100	100	2.36	220310	2
PTDP200	200	3.48	220320	2
PTDP300	300	6.62	220330	2
PTDP400	400	8.99	220340	2
PTDP500	500	11.56	220350	2
PTDP600	600	14.35	220360	2

Cover for Horizontal Cross-over

PCZDP

PCZDP...

± 1.5 mm

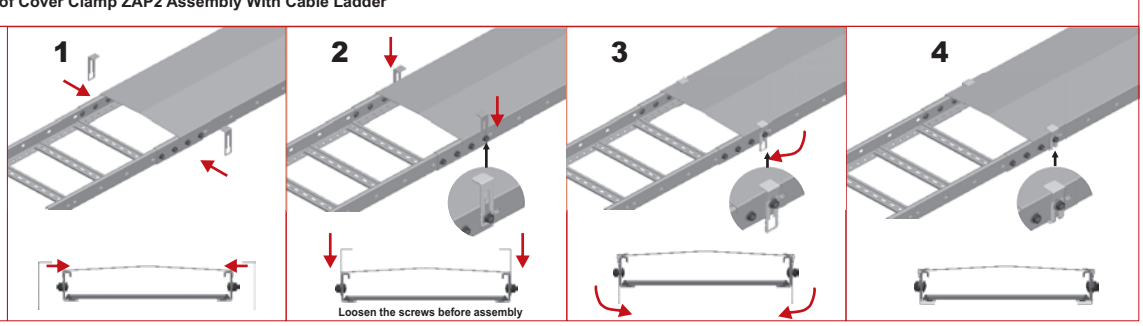
CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PCZDP100	100	3.71	220610	2
PCZDP200	200	6.18	220620	2
PCZDP300	300	8.85	220630	2
PCZDP400	400	11.74	220640	2
PCZDP500	500	14.84	220650	2
PCZDP600	600	18.15	220660	2

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised to to PN-EN ISO 1461:2011 (HDG)
E- stainless steel
L- powder coating in a full range of colours (PC) (info p .4)

APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

Application Example of Cover Clamp ZAP2 Assembly With Cable Ladder

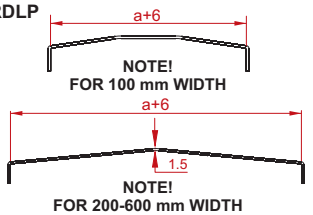
ZAP2



Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cover For Left Reducer

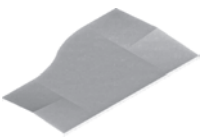
PRDLP



PRDLP...

≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRDLP200/100	200	100	1.18	260202	2
PRDLP300/200	300	200	1.89	260203	2
PRDLP400/300	400	300	2.60	260204	2
PRDLP500/400	500	400	3.29	260205	2
PRDLP600/500	600	500	3.98	260206	2



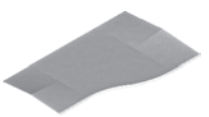
Cover For Right Reducer

PRDPP

PRDPP...

≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRDPP200/100	200	100	1.18	280102	2
PRDPP300/200	300	200	1.89	280103	2
PRDPP400/300	400	300	2.60	280104	2
PRDPP500/400	500	400	3.29	280105	2
PRDPP600/500	600	500	3.98	280106	2



Cover For Straight Reducer

PRDSP

PRDSP...

≠ 1.5 mm

CODE	Width a mm	Width b mm	kg 1 pc	Catalogue No.	Qty
PRDSP200/100	200	100	1.18	260102	2
PRDSP300/200	300	200	1.89	260103	2
PRDSP400/300	400	300	2.60	260104	2
PRDSP500/400	500	400	3.29	260105	2
PRDSP600/500	600	500	3.98	260106	2

Cover for 90° Vertical Bend - Internal

PLPDWP

PLPDWP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PLPDWP100	100	1.10	240101	2
PLPDWP200	200	2.03	240102	2
PLPDWP300	300	2.94	240103	2
PLPDWP400	400	3.86	240104	2
PLPDWP500	500	4.77	240105	2
PLPDWP600	600	5.69	240106	2

Cover for 90° Vertical Bend - External

PLPDZP

PLPDZP...

≠ 1.5 mm

CODE	Width a mm	kg 1 pc	Catalogue No.	Qty
PLPDZP100	100	1.30	240201	2
PLPDZP200	200	2.38	240202	2
PLPDZP300	300	3.46	240203	2
PLPDZP400	400	4.54	240204	2
PLPDZP500	500	5.62	240205	2
PLPDZP600	600	6.70	240206	2

APPLICATION
Protecting cables against damage.
Used in heavy dust indoor conditions.

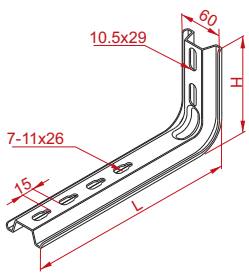
MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F- steel, hot-dip galvanised
to to PN-EN ISO 1461:2011 (HDG)
E- stainless steel
L- powder coating in a full range of colours (PC)
(info p .4)

Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

WFL/WFLO



WFL/WFLO...

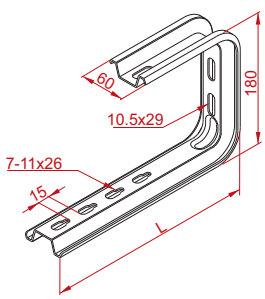
± 2.0 mm

CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WFL/WFLO100	170	120	0.30	720110	30
WFL/WFLO150	220	130	0.37	720115	30
WFL/WFLO200	270	130	0.43	720120	30
WFL/WFLO300	370	130	0.58	720130	20
WFL/WFLO400	470	130	0.72	720140	20
WFL/WFLO500	570	130	0.85	720150	20
WFL600	660	130	1.00	720160	20

- For assembly ladders 100mm wide use 1 hold down clamp ZM/ZMO and 1 set of SGKM8x14
- For assembly ladders above 100mm wide use 2 hold down clamps ZM/ZMO and 2 sets of SGKM8x14

Bracket

WFC/WFCO

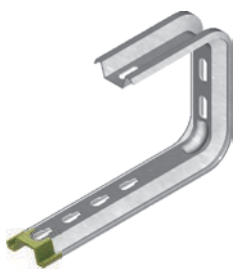


WFC/WFCO...

± 2.0 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WFC/WFCO100	165	0.47	720310	20
WFC/WFCO150	205	0.53	720315	20
WFC/WFCO200	255	0.60	720320	20
WFC/WFCO300	355	0.73	720330	20
WFC/WFCO400	455	0.86	720340	20

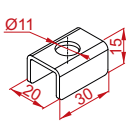
- For assembly ladders 100mm wide use 1 hold down clamp ZM/ZMO and 1 set of SGKM8x14
- For assembly ladders above 100mm wide use 2 hold down clamps ZM/ZMO and 2 sets of SGKM8x14



APPLICATION
Suspending cable routes.

Spacer

PD11



APPLICATION
Used together with WFL/WFLO and WFC/WFCO as well as with Snap-I support PMC/PMCO helps to secure firm assembly.

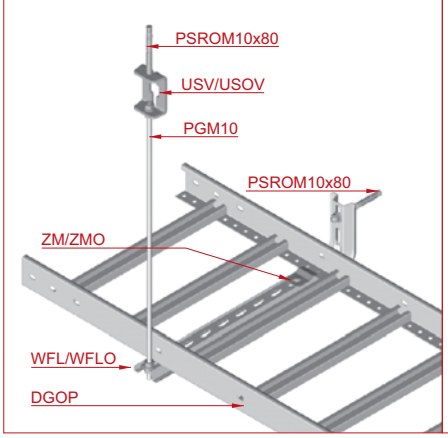
PD11

± 2.0 mm

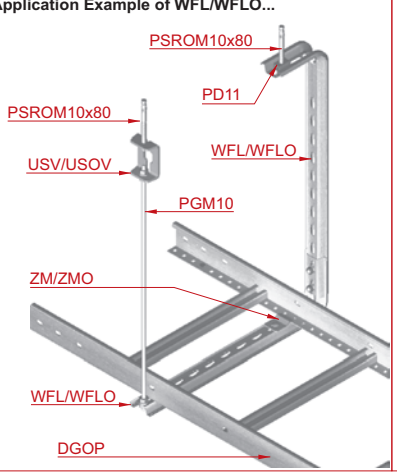
CODE	Dimension ∅ mm	kg 1 pc	Catalogue No.	Qty
PD11	11	0.03	803100	100

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

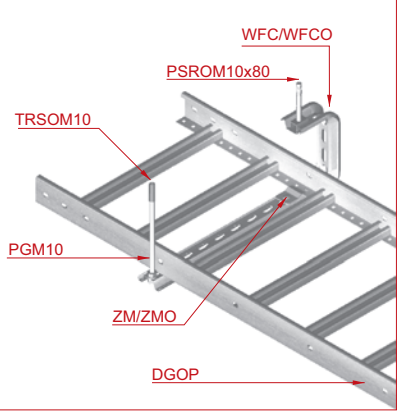
Application Example of WFL/WFLO...



Application Example of WFL/WFLO...



Application Example of WFC/WFCO...

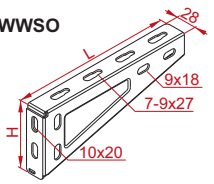


Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

WWS/WWSO



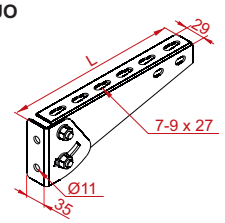
WWS/WWSO...

± 2.0 mm

CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WWS/WWSO100	122	80	0.19	710510	50
WWS/WWSO150	172	80	0.28	710515	50
WWS/WWSO200	222	90	0.38	710520	30
± 2.5 mm					
WWS/WWSO300	322	115	0.77	710530	30
WWS/WWSO400	422	115	1.20	710540	20
WWS/WWSO300	322	115	0.77	710530	30
WWS/WWSO400	422	115	1.20	710540	20

Variable Bracket

WU/WUO



APPLICATION
Supporting cable trays, ladders and wire mesh cable trays.

WU/WUO...

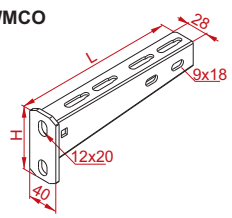
CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WU/WUO100	145	0.22	805210	30
WU/WUO200	245	0.34	805220	30
WU/WUO300	345	0.45	805230	30
WU/WUO400	445	0.64	805240	20

For wall-mount application use 2 sets of PSROM10x80
To add components to the assembly on Ceiling Bracket 2 sets of Screw SMM10x20
- For assembly ladders 100mm wide use 1 hold down clamp ZM/ZMO and 1 set of SGKM8x14
- For assembly ladders above 100mm wide use 2 hold down clamps ZM/ZMO and 2 sets of SGKM8x14

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p .4)

Bracket

WMC/WMCO



APPLICATION
Supporting cable trays, ladders and wire mesh cable trays.

WMC/WMCO...

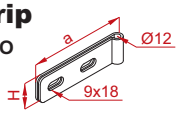
CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WMC/WMCO100	115	95	0.22	711110	50
WMC/WMCO150	165	95	0.29	711115	50
WMC/WMCO200	215	95	0.36	711120	20
WMC/WMCO300	315	120	0.43	711130	20
WMC/WMCO400	415	120	0.83	711140	20
WMC/WMCO500	515	130	0.96	711150	20
WMC/WMCO600	615	130	1.15	711160	20

For wall-mount application use 2 setss of PSROM10x80
To add components to the assembly on Ceiling Bracket 2 sets of Screw SMM10x20
- For assembly ladders 100mm wide use 1 hold down clamp ZM/ZMO and 1 set of SGKM8x14
- For assembly ladders above 100mm wide use 2 hold down clamps ZM/ZMO and 2 sets of SGKM8x14

MATERIAL
Stal cynkowana metodą zanurzeniową to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Rod Grip

UPW/UPWO



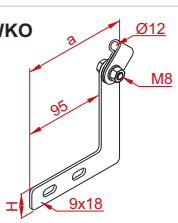
UPW/UPWO

± 2.0 mm

CODE	Width a mm	Height H mm	Catalogue No.	Qty
UPW/UPWO	95	25	750100	100

For fixing to bracket use 2 sets of Screw SGKM8x14

UPWK/UPWKO



APPLICATION
Alternative to attach threaded rod support at the end of the bracket to enhance their mechanical properties.
WU/WUO, WMC/WMCO and WWS/WWSO.

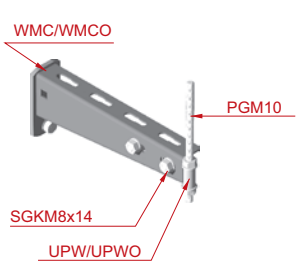
UPWK/UPWKO

CODE	Width a mm	Height H mm	Catalogue No.	Qty
UPWK/UPWKO	128	25	752900	50

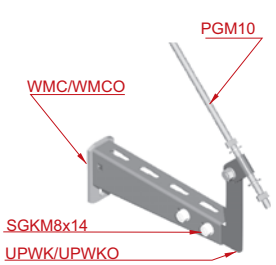
For assembly to bracket use 2 sets of SGKM8x14

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

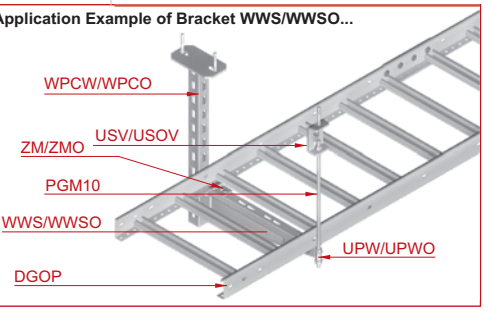
Application Example of Rod Grip UPW/UPWO



Application Example of Rod Grip UPWK/UPWKO



Application Example of Bracket WWS/WWSO...

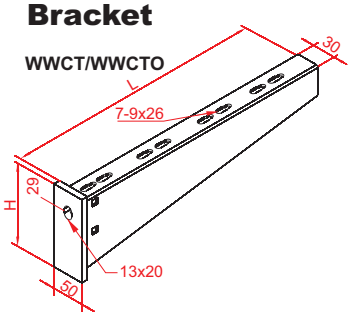


Thickn. (ga) ± [mm]: 1.0 1.2 1.5 2.0 2.5

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

WWCT/WWCTO

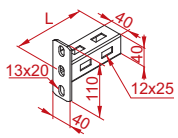


WWCT/WWCTO...

CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WWCT/WWCTO200	220	90	0.70	713020	10
WWCT/WWCTO300	320	110	0.95	713030	8
WWCT/WWCTO400	420	130	1.49	713040	8

For wall-mount application use 1 set PSROM10x80.
To add components to the assembly on Ceiling Bracket use 1 set SMM10x20
- For assembly ladders 100mm wide use 1 hold down clamp ZM/ZMO and 1 set of SGKM8x14
- For assembly ladders above 100mm wide use 2 hold down clamps ZM/ZMO and 2 sets of SGKM8x14

WPT/WPTO100



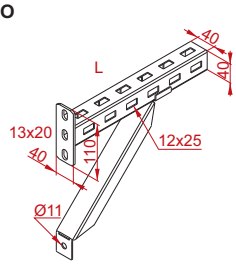
WPT/WPTO100

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPT/WPTO100	115	0.48	710910	30

For wall-mount application use 2 sets of PSROM10x80
To add components to the assembly on Ceiling Bracket 2 sets of Screw SMM10x20
For assembly ladders use 1 hold down clamp ZM/ZMO and 1 set SGKM8x14

Bracket(Set)

WPTKO



WPTKO...

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPTKO200	215	0.85	800920	30
WPTKO300	315	1.02	800930	30
WPTKO400	415	1.28	800940	20

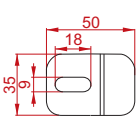
For wall-mount application use 3 set PSROM10x80.
To add components to the assembly on Ceiling Bracket use 3 set SMM10x20
- For assembly ladders above 100mm wide use 2 hold down clamps ZM/ZMO and 2 sets of SGKM8x14

APPLICATION
Supporting cable trays, ladders and wire mesh cable trays.

MATERIAL
steel, hot-dip galvanised
to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel, grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)

Hold Down Clamp

ZM/ZMO



ZM/ZMO

± 3.0 mm

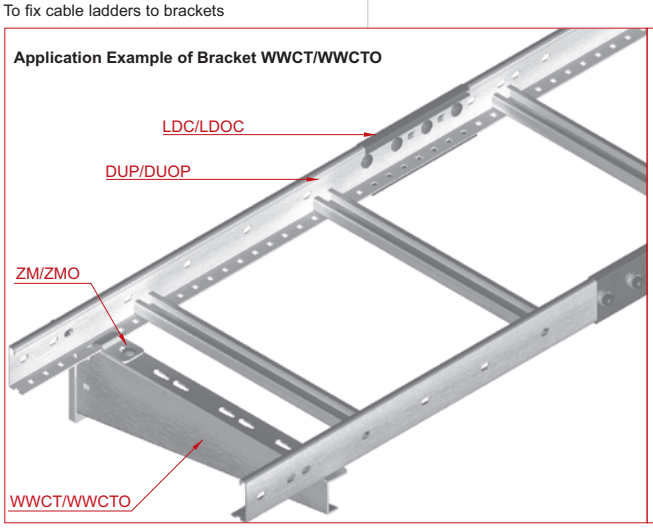
CODE	kg 1 pc	Catalogue No.	Qty
ZM/ZMO	0.04	400700	100

- For assembly ladders 100mm wide use 1 hold down clamp ZM/ZMO and 1 set of SGKM8x14
- For assembly ladders above 100mm wide use 2 hold down clamps ZM/ZMO and 2 sets of SGKM8x14

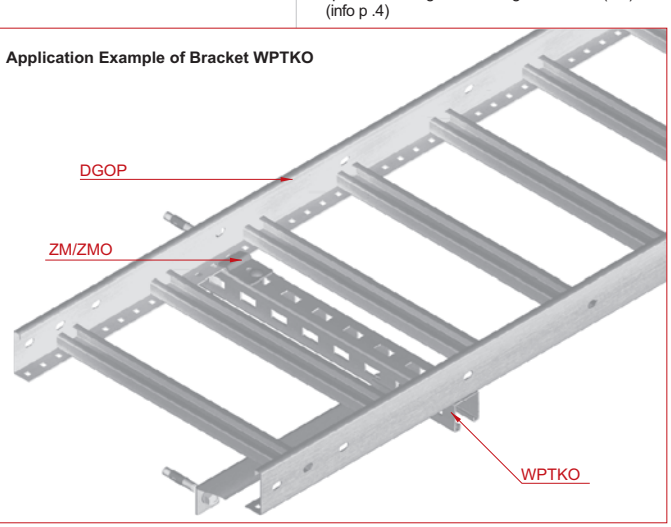
MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

APPLICATION
To fix cable ladders to brackets

Application Example of Bracket WWCT/WWCTO



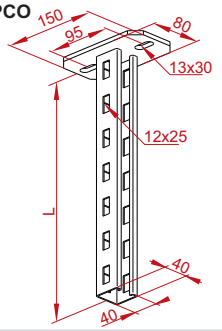
Application Example of Bracket WPTKO



Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

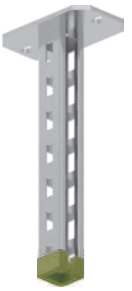
Ceiling Bracket

WPCW/WPCO



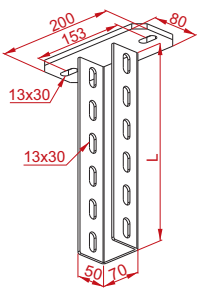
WPCW/WPCO...

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPCW/WPCO200	200	0.90	750620	20
WPCW/WPCO300	300	1.10	750630	20
WPCW/WPCO400	400	1.30	750640	10
WPCW/WPCO500	500	1.47	750650	10
WPCW/WPCO600	600	1.67	750660	10
WPCW/WPCO700	700	1.86	750670	10
WPCW/WPCO800	800	2.10	750680	10
WPCW/WPCO900	900	2.25	750690	10
WPCW/WPCO1000	1000	2.45	750611	10
WPCW/WPCO1100	1100	2.70	750511	10
WPCW/WPCO1200	1200	2.95	750512	10
WPCW/WPCO1500	1500	3.26	750515	4
WPCW/WPCO2000	2000	4.90	750612	4
WPCW/WPCO3000	3000	6.35	750613	4



Ceiling Bracket

WPCE/WPCEO

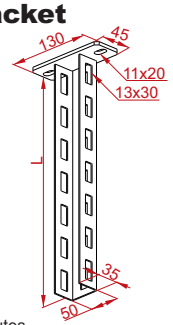


WPCE/WPCEO...

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPCE/WPCEO200	200	2.32	721520	10
WPCE/WPCEO300	300	2.66	721530	10
WPCE/WPCEO400	400	3.04	721540	4
WPCE/WPCEO500	500	3.42	721550	4
WPCE/WPCEO600	600	3.80	721560	4
WPCE/WPCEO700	700	4.18	721570	4
WPCE/WPCEO800	800	4.56	721580	2
WPCE/WPCEO900	900	4.94	721590	2
WPCE/WPCEO1000	1000	5.32	721511	2
WPCE/WPCEO1100	1100	5.85	721411	2
WPCE/WPCEO1200	1200	6.38	721412	2
WPCE/WPCEO1500	1500	4.56	721415	2
WPCE/WPCEO2000	2000	9.12	721512	2
WPCE/WPCEO3000	3000	12.92	721513	2

Ceiling Bracket

WPCB



APPLICATION
Suspending cable routes.

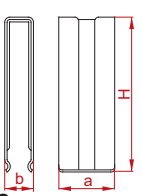
WPCB...

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPCB200	200	0.72	752002	10
WPCB300	300	0.88	752003	10
WPCB400	400	1.04	752004	10
WPCB500	500	1.18	752005	6
WPCB600	600	1.34	752006	6
WPCB700	700	1.48	752007	2
WPCB800	800	1.68	752008	2
WPCB900	900	1.80	752009	2
WPCB1000	1000	1.96	752010	2
WPCB2000	2000	3.52	752020	2
WPCB3000	3000	5.08	752030	2

MATERIAL
Steel, hot-dip galvanised
to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel, grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)

Spacer

BR...



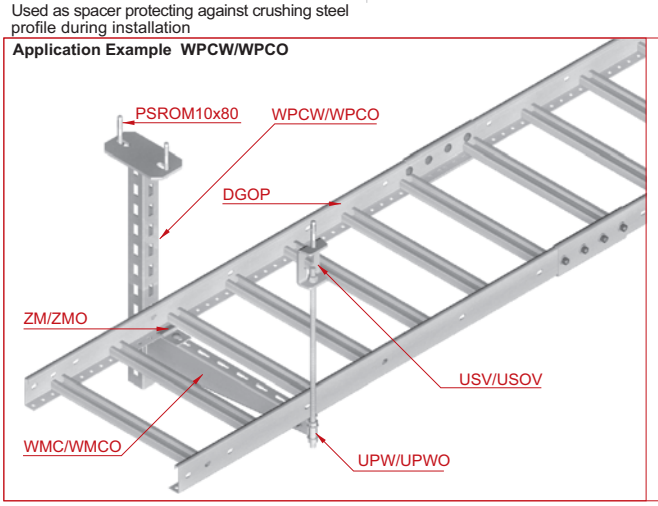
APPLICATIONS
Used as spacer protecting against crushing steel profile during installation

BR...

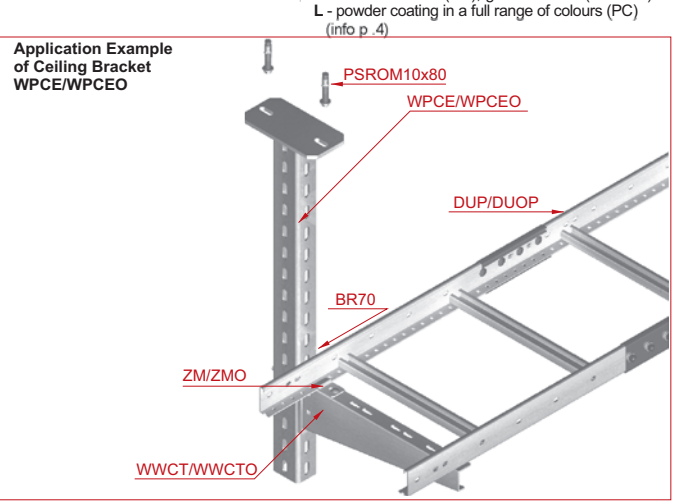
CODE	Width a mm	Height H mm	Dimension b mm	Catalogue No.	Qty
BR40	35	100	15	700100	50
BR55	47	140	15	700300	50
BR70	60	140	15	700400	50

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Application Example WPCW/WPCO



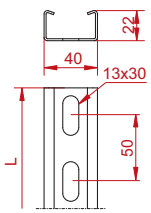
Application Example of Ceiling Bracket WPCE/WPCEO



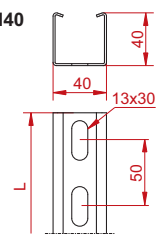
Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Support Channel

CWP40H22



CWP/CWOP40H40



APPLICATION
Used for suspending lighting, and as construction element for installing wire mesh cable trays, and ladders.

CWP40H22...

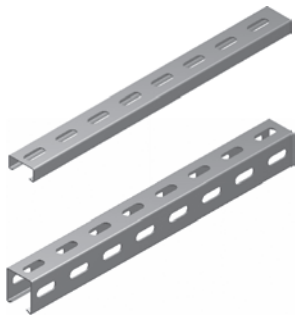
± 1.5 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
CWP40H22/02	200	0.21	610202	50
CWP40H22/03	300	0.31	610203	50
CWP40H22/04	400	0.41	610204	30
CWP40H22/05	500	0.52	610205	30
CWP40H22/06	600	0.62	610206	30
CWP40H22/07	700	0.72	610207	30
CWP40H22/1	1000	1.03	610210	8
CWP40H22/2	2000	2.06	610220	8
CWP40H22/3	3000	3.09	610230	8
CWP40H22/6	6000	6.18	610260	8

CWP/CWOP40H40...

± 1.5 mm

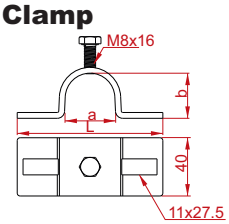
CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
CWP/CWOP40H40/02	200	0.26	611102	30
CWP/CWOP40H40/03	300	0.39	611103	30
CWP/CWOP40H40/04	400	0.52	611104	30
CWP/CWOP40H40/05	500	0.65	611105	30
CWP/CWOP40H40/06	600	0.71	804106	30
CWP/CWOP40H40/07	700	0.84	804107	30
CWP/CWOP40H40/1	1000	1.30	611110	8
CWP/CWOP40H40/2	2000	2.60	611120	8
CWP/CWOP40H40/3	3000	3.90	611130	8
CWP/CWOP40H40/6	6000	7.80	611160	8



MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304) (sections up to 3 m)
L - powder coating in a full range of colours (PC) (info p .4)

Pipe Clamp

OBR

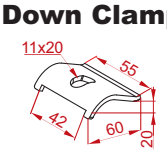


OBR...

CODE	Dimension a mm	Dimension b mm	Length L mm	kg 1 pc	Catalogue No.	Qty
OBR25	25	23	116	0.16	753300	50
OBR35	35	33	104	0.16	753400	50

Hold Down Clamp

UDC



UDC

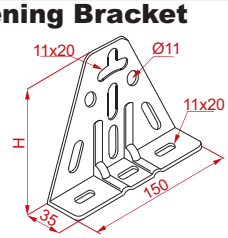
± 6.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
UDC	0.16	750806	50

MATERIAL
steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel (only special performance)
L- powder coating in a full range of colours (PC) (info p .4)

Fastening Bracket

UT

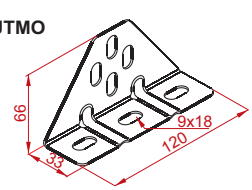


UT

± 2.0 mm

CODE	Height H mm	kg 1 pc	Catalogue No.	Qty
UT	130	0.23	751600	50

UTM/UTMO



APPLICATION
Installing ladders in the proper distance from the wall

UTM/UTMO

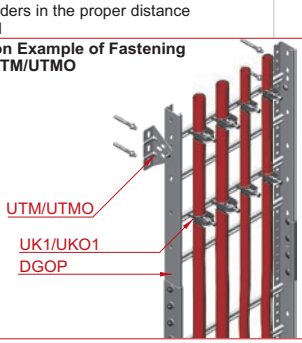
± 2.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
UTM/UTMO	0.17	751700	100

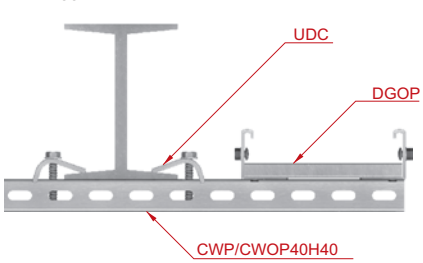
For wall-mount application use 2 sets PSROM8x75
Ladder assembly - 1 set of SGNM8x20

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p .4)

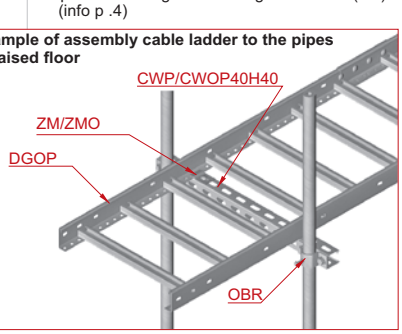
Application Example of Fastening Bracket UTM/UTMO



Application Example of Hold Down Clamp UDC and Support Channel CWP/CWOP40H40...



Example of assembly cable ladder to the pipes in raised floor

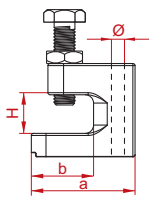


Thickn. (ga) ± [mm]: 1.5 2.0 2.5 3.0 4.0 5.0 6.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Beam Clamp

ZK



APPLICATION
Fixing threaded rods to I-beams, angle bars, etc.

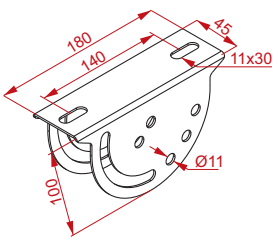
ZK...

CODE	Dia. Ø mm	Dimension a mm	Dimension b mm	Dimension H mm	kg 1 pc	Catalogue No.	Qty
ZK8/19	9	38	21	19	0.14	752208	100
ZK10	11	45	23	22	0.14	752210	50

MATERIAL
Forged, electro-galvanised steel (EG)
Available finishes:
F- Forged steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09

Head Plate - Variable

PSUN/PSUNO



APPLICATION
Suspending cable routes. Advantages of variable head plate: smooth angle adjustment or adjustment with regulation screw.

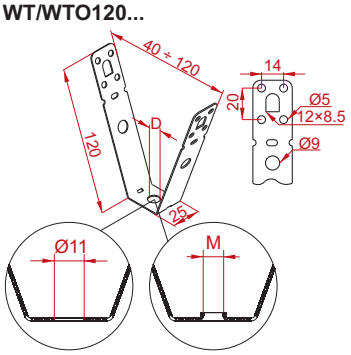
PSUN/PSUNO

± 2.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
PSUN/PSUNO	0.45	741518	30

Trapezoidal Ceiling Bracket

WT/WTO120...



APPLICATION
Piece used together with threaded rod to support wire mesh cable tray to the trapezoidal decking sheet

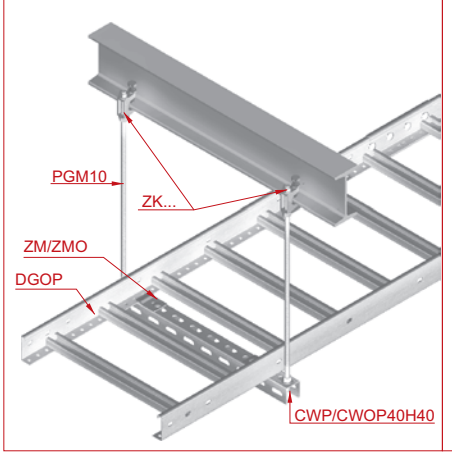
WT/WTO120...

± 2.5 mm

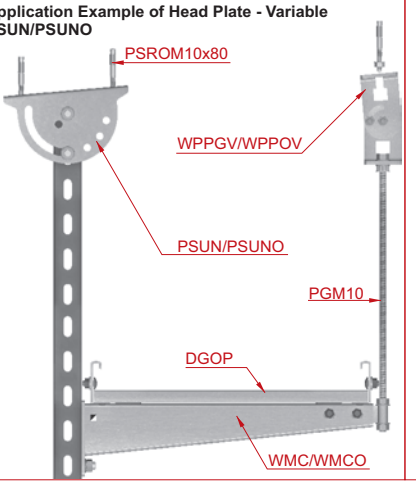
CODE	Dimension D mm	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
WT/WTO120Ø11	Ø11	1.20	730712	100
WT/WTO120M6	M6	1.20	730512	100
WT/WTO120M8	M8	1.20	730612	100

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

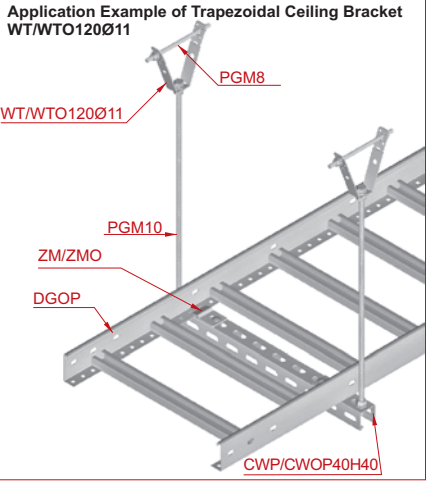
Application Example of Beam Clamp ZK...



Application Example of Head Plate - Variable PSUN/PSUNO



Application Example of Trapezoidal Ceiling Bracket WT/WTO120Ø11

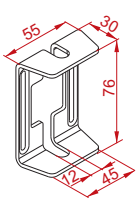


Thickn. (ga) ± [mm]: 1.0 1.2 1.5 2.0 2.5

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Rod Hanger

US12/USO12



APPLICATION
Suspending cable routes.

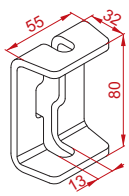
US12/USO12

≠ 3.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
US12/USO12	0.14	750508	100

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

USV/USOV



APPLICATION
Suspending cable routes.

USV/USOV

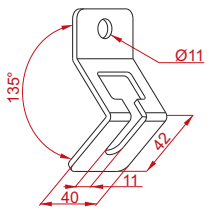
≠ 5.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
USV/USOV	0.21	750709	50

MATERIAL
steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Rod Hanger

WKPO



APPLICATION
Suspending cable routes.

WKPO

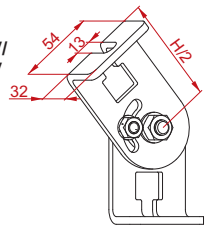
≠ 3.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
WKPO	0.15	750809	100

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304).
L - powder coating in a full range of colours (PC) (info p .4)

Articulated Rod Hanger

WPPGV/ WPPOV



APPLICATIONS
Suspending cable routes at an angle,
Wall - and ceiling-mounte

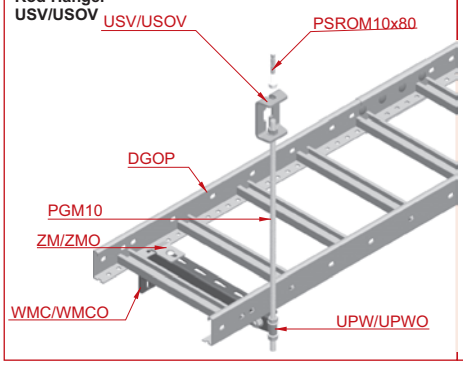
WPPGV/WPPOV

≠ 5.0 mm

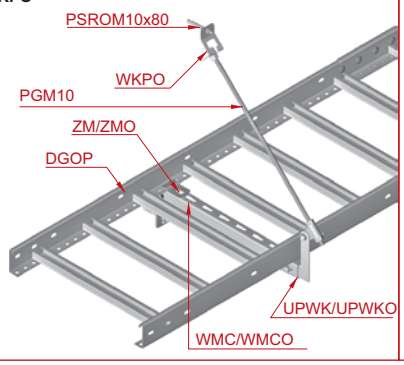
CODE	Height H mm	kg 1 pc	Catalogue No.	Qty
WPPGV/WPPOV	126	0.41	731401	50

MATERIAL
Steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

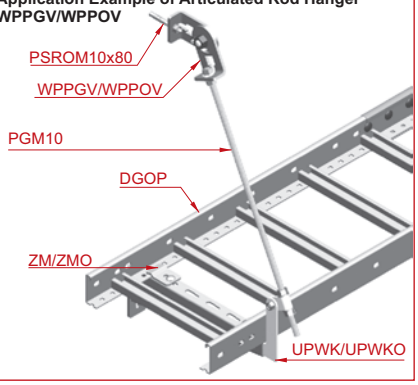
Application Example of Rod Hanger USV/USOV



Application Example of Rod Hanger WKPO



Application Example of Articulated Rod Hanger WPPGV/WPPOV

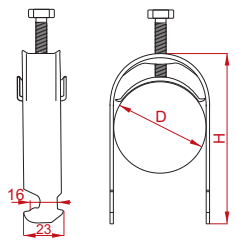


Thickn. (ga) ≠ [mm]: 1.5 2.0 2.5 3.0 4.0 5.0 6.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Cable Clamp

UK1/UKO1



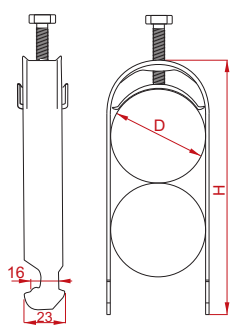
UK1/UKO1...

1 cable

CODE	Dimension D mm	Height H mm	kg 1 pc	Catalogue No.	Qty
UK1/UKO1/16-22	16-22	57	0.05	**402300**	100
UK1/UKO1/22-28	22-28	61	0.06	**402400**	100
UK1/UKO1/28-34	28-34	71	0.07	**402500**	100
UK1/UKO1/34-40	34-40	78	0.08	**402600**	100
UK1/UKO1/40-46	40-46	86	0.09	**402700**	100
UK1/UKO1/46-52	46-52	97	0.10	**402800**	100
UK1/UKO1/52-58	52-58	100	0.11	**402850**	100
UK1/UKO1/58-64	58-64	103	0.12	**402900**	100
UK1/UKO1/64-70	64-70	116	0.13	**404000**	100

Can be fixed in one UK/UKO1... or UK2/UKO2... cable clamp:
- 3 cables of an above 20mm diameter
- 5 cables of a below 20mm diameter

UK2/UKO2



UK2/UKO2...

2 cables

CODE	Dimension D mm	Height H mm	kg 1 pc	Catalogue No.	Qty
UK2/UKO2/16-22	16-22	80	0.07	**403000**	100
UK2/UKO2/22-28	22-28	90	0.09	**403100**	100
UK2/UKO2/28-34	28-34	105	0.10	**403200**	100
UK2/UKO2/34-40	34-40	118	0.12	**403300**	100
UK2/UKO2/40-46	40-46	132	0.15	**403400**	50
UK2/UKO2/46-52	46-52	149	0.16	**403500**	50
UK2/UKO2/52-58	52-58	158	0.18	**403701**	50
UK2/UKO2/58-64	58-64	103	0.20	**403600**	50

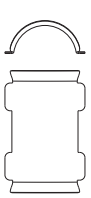
Can be fixed in one UK/UKO1... or UK2/UKO2... cable clamp:
- 3 cables of an above 20mm diameter
- 5 cables of a below 20mm diameter

APPLICATION
Fixing cables to Systems of Cable Ladders DUP/DUOP, DGOD, DGOP and to Rung SDOP.

MATERIAL
Steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)

Cable Protection Piece

RO1



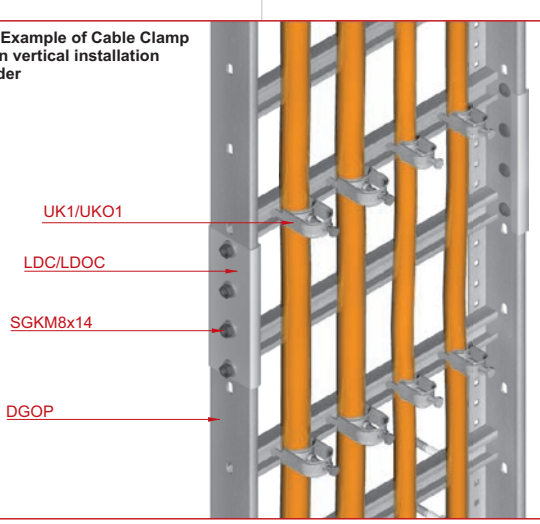
RO1...

CODE	for cable clamp	kg 1 pc	Catalogue No.	Qty
RO1/16-22	UK1/UKO1/16-22	0.02	**801500**	100
RO1/22-28	UK1/UKO1/22-28	0.02	**801600**	100
RO1/28-34	UK1/UKO1/28-34	0.03	**801700**	100
RO1/34-40	UK1/UKO1/34-40	0.03	**801800**	100
RO1/40-46	UK1/UKO1/40-46	0.03	**801900**	100
RO1/46-52	UK1/UKO1/46-52	0.04	**802000**	100
RO1/52-58	UK1/UKO1/52-58	0.04	**802201**	100
RO1/58-64	UK1/UKO1/58-64	0.05	**802100**	100
RO1/64-70	UK1/UKO1/64-70	0.05	**802300**	100

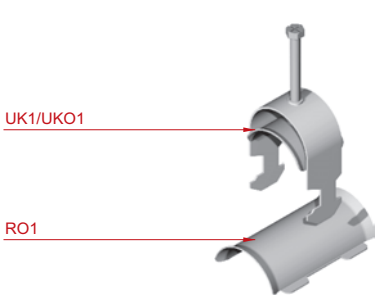
APPLICATION
Together with Cable Clamps UK1/UKO1 to attach electrical cables. Additional cable protection.

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2011

Application Example of Cable Clamp UK1/UKO1 in vertical installation in cable ladder



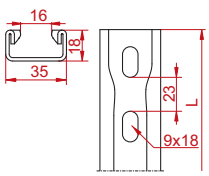
Application Example ofCable Protection Piece RO1



Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Rung

SDO...



APPLICATION
In combination with Cable Clamp UK to attach electrical cables directly to the wall in the vertical plane and to the ceiling.

SDOC...

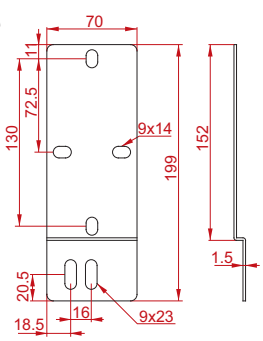
± 2.0 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
SDOC100	90	0.13	800110	50
SDOC200	190	0.26	800120	50
SDOC300	290	0.39	800130	50
SDOC400	390	0.52	800140	30
SDOC500	490	0.65	800150	30
SDOC600	590	0.78	800160	20
SDOC800	790	1.04	800180	10

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Universal Mounting Plate

UPU



UPU

± 1.5 mm

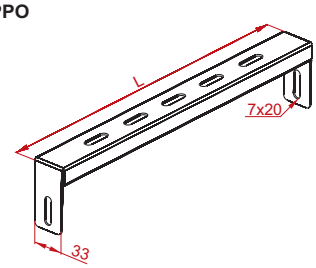
CODE	kg 1 pc	Catalogue No.	Qty
UPU	0.10	800809	20

Assembly of:
- Junction box by 2 sets of SGKM6x12
- Cable Ladder by 2 sets of SGKM8x14

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Mounting Plate

UPPO



APPLICATIONS
Junction box assembly on cable trays and ladders

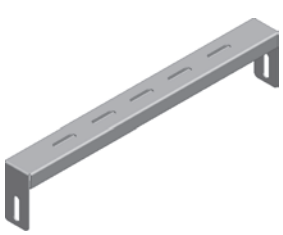
UPPO...

± 1.5 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
UPPO100	105	0.13	800506	20
UPPO200	205	0.23	800606	20
UPPO300	305	0.31	800706	10
UPPO400	405	0.39	800806	10
UPPO500	505	0.47	800707	10
UPPO600	605	0.56	800808	10

Assembly of:
- Junction box by 2 sets of SGKM6x12
- Cable Ladder by 2 sets of SGKM6x12

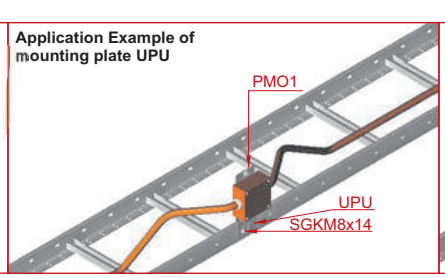
ATTENTION!
For cable ladders 100 and 150mm wide use minimum 2 Mounting Plates UPPO



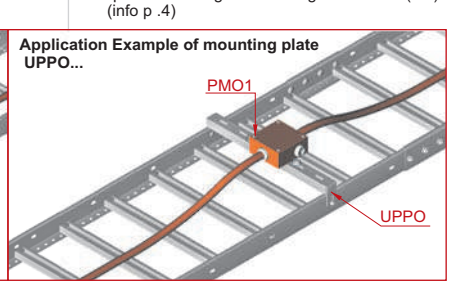
MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Application Example of rung SDOP... and Cable Clamp UK1/UKO1

Application Example of mounting plate UPU



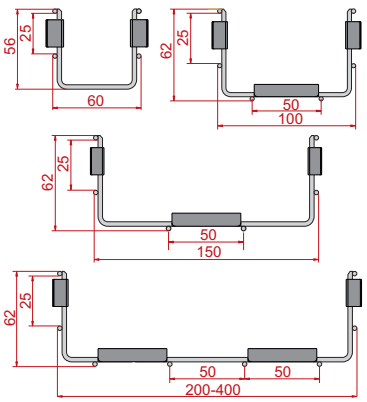
Application Example of mounting plate UPPO...



Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

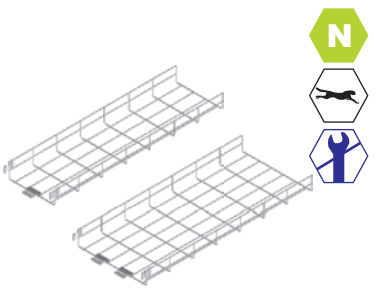
Wire Mesh Cable Tray

KDSZ...H60



KDSZ...H60

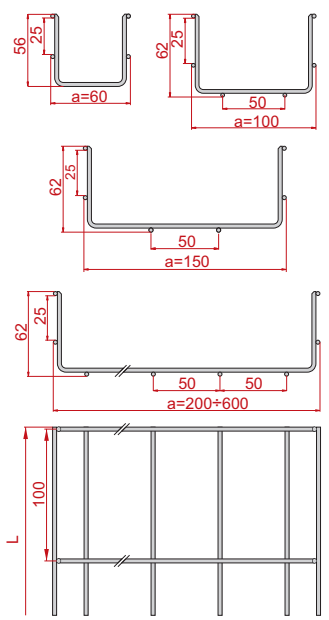
CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KDSZ60H60/3	60	3000	0.61	940106	8/24
KDSZ100H60/3	100	3000	0.88	940110	8/24
KDSZ150H60/3	150	3000	0.94	940115	8/24
KDSZ200H60/3	200	3000	1.21	940120	4/12
KDSZ300H60/3	300	3000	1.88	940130	4/12
KDSZ400H60/3	400	3000	2.26	940140	2/6



MATERIAL
Electro-galvanised wire (EG)
Available finishes:
L - powder coating in a full range of colours (PC)

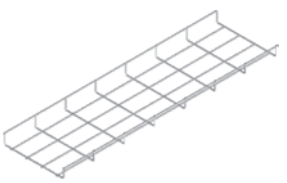
Wire Mesh Cable Tray

KDS/KDSO...



KDS/KDSO...H60

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KDS/KDSO60H60/3	60	3000	0.55	970106	8/24
KDS/KDSO100H60/3	100	3000	0.79	970110	8/24
KDS/KDSO150H60/3	150	3000	0.85	970115	8/24
KDS/KDSO200H60/3	200	3000	1.09	970120	4/12
KDS/KDSO300H60/3	300	3000	1.76	970130	4/12
KDS/KDSO400H60/3	400	3000	2.14	970140	2/6
KDS/KDSO500H60/3	500	3000	3.09	970150	2/6
KDS/KDSO600H60/3	600	3000	3.56	970160	2/6



MATERIAL
Electro-galvanised wire (EG)
Available finishes:
L - powder coating in a full range of colours (PC)

KDS/KDSO...H60F

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KDS/KDSO60H60/3F	60	3000	0.55	970506	8/24
KDS/KDSO100H60/3F	100	3000	0.79	970510	8/24
KDS/KDSO150H60/3F	150	3000	0.85	970515	8/24
KDS/KDSO200H60/3F	200	3000	1.09	970520	4/12
KDS/KDSO300H60/3F	300	3000	1.76	970530	4/12
KDS/KDSO400H60/3F	400	3000	2.14	970540	2/6
KDS/KDSO500H60/3F	500	3000	3.09	970550	2/6
KDS/KDSO600H60/3F	600	3000	3.56	970560	2/6

MATERIAL
Hot dip galvanised wire
to PN-EN ISO 1461:2011 (HDG)
Available finishes:
L - powder coating in a full range of colours (PC)

KDS/KDSO...H60E

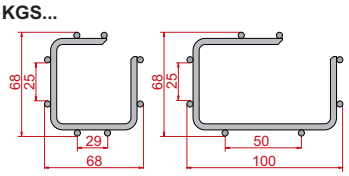
CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KDS/KDSO60H60/3E	60	3000	0.55	960101	8/24
KDS/KDSO100H60/3E	100	3000	0.79	960102	8/24
KDS/KDSO150H60/3E	150	3000	0.85	960103	8/24
KDS/KDSO200H60/3E	200	3000	1.09	960104	4/12
KDS/KDSO300H60/3E	300	3000	1.76	960105	4/12
KDS/KDSO400H60/3E	400	3000	2.14	960106	2/6
KDS/KDSO500H60/3E	500	3000	3.09	960107	2/6
KDS/KDSO600H60/3E	600	3000	3.56	960108	2/6

MATERIAL
Stainless steel wire
Available finishes:
L - powder coating in a full range of colours (PC)

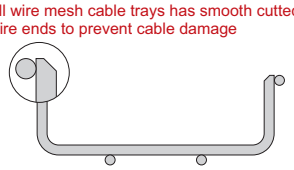
Max. safe load
KDS/KDSO60H60/3: 2 kg/m
KDS/KDSO100 - 600H60/3: 20 kg/m
Max. spacing of supports: 1.5m

Wire Mesh Cable Tray

KGS...



All wire mesh cable trays has smooth cutted wire ends to prevent cable damage



APPLICATION
Cable routing.

KGS...H60

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KGS60H60/3	68	3000	1.01	910106	8/24
KGS100H60/3	100	3000	1.08	910110	6/18

KGS...H60F

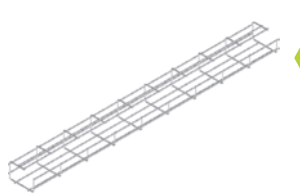
CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KGS60H60/3F	68	3000	1.01	910112	8/24
KGS100H60/3F	100	3000	1.08	910114	6/18

KGS...H60E

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KGS60H60/3E	68	3000	1.01	910115	8/24
KGS100H60/3E	100	3000	1.08	910116	6/18

Max. safe load
KGS60H60/3: 5 kg/m
KGS100H60/3: 5 kg/m
Max. spacing of supports: 1.5m

To join up wire mesh cable trays for the following widths:
- 60mm use 2 x USSN/USSO
- 100 ÷ 200mm use min. 3 x USSN/USSO
- 300 ÷ 400mm use min. 4 x USSN/USSO
- 500 ÷ 600mm use min. 5 x USSN/USSO



MATERIAL for KGS...H60
Electro-galvanised wire (EG)
Available finishes:
L - powder coating in a full range of colours (PC)

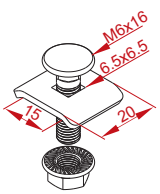
MATERIAL for KGS...H60F
Hot dip galvanised wire
to PN-EN ISO 1461:2011 (HDG)
Available finishes:
L - powder coating in a full range of colours (PC)

MATERIAL for KGS...H60E
Stainless steel wire
Available finishes:
L - powder coating in a full range of colours (PC)

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Clamping Piece

ZS/ZSO



APPLICATION
Fixing wire mesh cable trays to supports

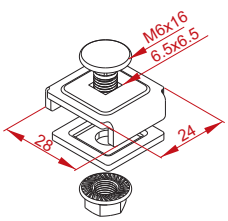
ZS/ZSO

CODE	kg 1 Set	Catalogue No.	Set
ZS/ZSO	0.07	**901600**	100

For the installation of wire mesh cable trays on channels for the following widths:
- 100 mm use 1 x ZS/ZSO
- 200 ÷ 600 mm use 2 x ZS/ZSO

Joint Connector

USSN/USSO

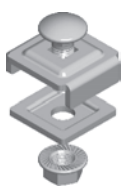


APPLICATION
Connecting wire me sh cable trays

USSN/USSO

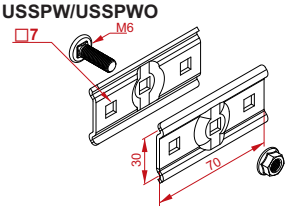
CODE	kg 1 set	Catalogue No.	set
USSN/USSO	0.03	**900201**	100

To join up wire mesh cable trays for the following widths:
- 60 mm use 2 x USSN/USSO
- 100 ÷ 200 mm use min. 3 x USSN/USSO
- 300 ÷ 400 mm use min. 4 x USSN/USSO
- 500 ÷ 600 mm use min. 5 x USSN/USSO



USSPW/USSPWO

USSPW/USSPWO



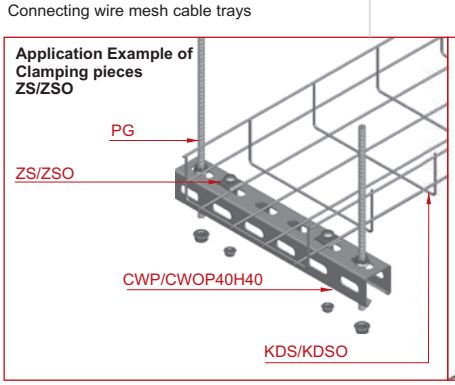
APPLICATION
Connecting wire mesh cable trays

USSPW/USSPWO

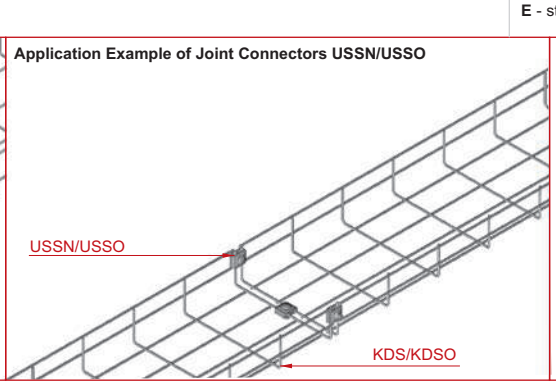
CODE	kg 1 Set	Catalogue No.	Set
USSPW/USSPWO	0.09	**903200**	100

MATERIAL
Electro-galvanised steel (EGS)
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)

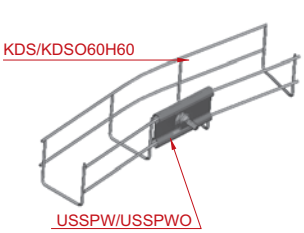
Application Example of Clamping pieces ZS/ZSO



Application Example of Joint Connectors USSN/USSO

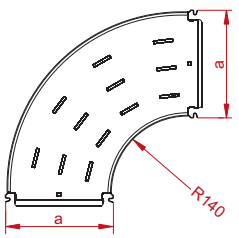


Application Example of Joint Connector USSPW/USSPWO



90° Horizontal Bend

KKS



APPLICATIONS
Diversion in cable routing

KKS...H60

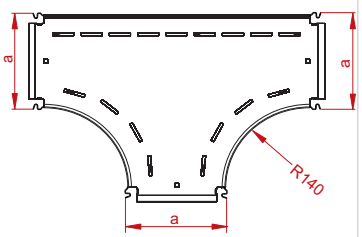
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KKS60H60	60	0.56	972106	10
KKS100H60	100	0.86	972110	10
KKS150H60	150	1.29	972115	10
KKS200H60	200	1.55	972120	10
KKS300H60	300	2.40	972130	10
KKS400H60	400	3.47	972140	5
KKS500H60	500	4.70	972150	5
KKS600H60	600	6.13	972160	5

For the assembly use additonal 4 set of USKS and 2 sets ZS/ZSO

Benefits:
Faster assembly of cable routes thanks to the integrated connector for fittings.

Horizontal Tee

TKS



APPLICATION
Branching out cable routes.

TKS...H60

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TKS60H60	60	0.71	971106	10
TKS100H60	100	1.18	971110	10
TKS150H60	150	1.77	971115	10
TKS200H60	200	2.04	971120	10
TKS300H60	300	3.16	971130	10
TKS400H60	400	4.52	971140	5
TKS500H60	500	6.12	971150	5
TKS600H60	600	7.96	971160	5

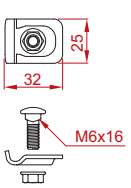
For the assembly use additonal 6 set of USKS and 3 set ZS/ZSO

Benefits:
Faster assembly of cable routes thanks to the integrated connector for fittings.

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p .4)

Integrated connector (set)

USKS



APPLICATIONS
For strengthening the Tab-Lock joint under heavy load

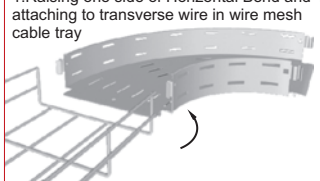
USKS

CODE	kg 1 kpl	Catalogue No.	Set
USKS	0.10	901850	50

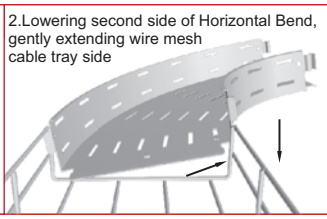
MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
T - T – steel, galv. by thermal diffusion to PN-EN ISO 17668:2016
Z - steel galvanized using zinc flake coating PN-EN-ISO 10683:2014
E - stainless steel (SS), grade 1.4301 (AISI304)

Stages of Installation 90° Horizontal Bend KKS...

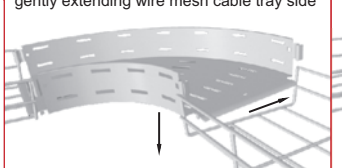
1.Raising one side of Horizontal Bend and 4 attaching to transverse wire in wire mesh cable tray



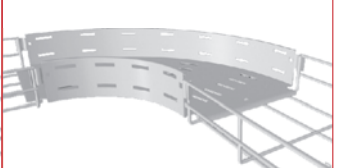
2.Lowering second side of Horizontal Bend, gently extending wire mesh cable tray side



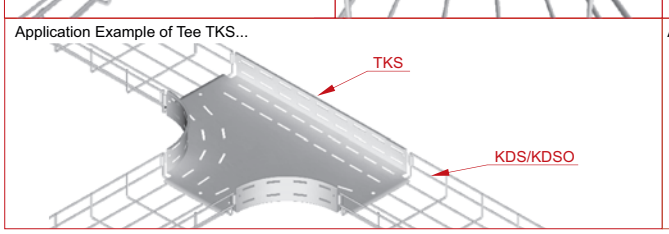
3.Lowering second side of Horizontal Bend, gently extending wire mesh cable tray side



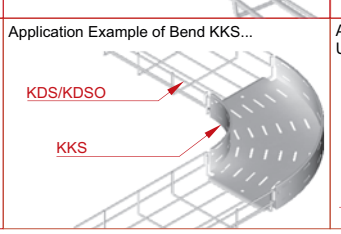
4. Correctly assembled Horizontal Bend



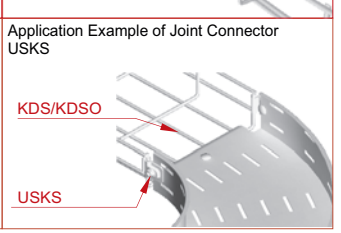
Application Example of Tee TKS...



Application Example of Bend KKS...



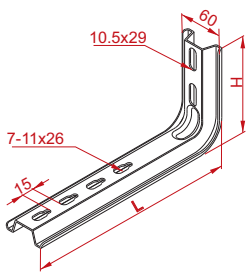
Application Example of Joint Connector USKS



Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

WFL/WFLO



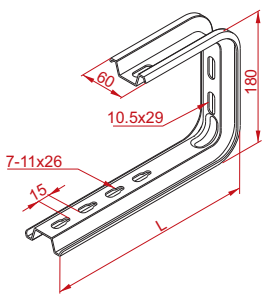
WFL/WFLO...

± 2.0 mm

CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WFL/WFLO100	170	120	0.30	720110	30
WFL/WFLO150	220	130	0.37	720115	30
WFL/WFLO200	270	130	0.43	720120	30
WFL/WFLO300	370	130	0.58	720130	20
WFL/WFLO400	470	130	0.72	720140	20
WFL/WFLO500	570	130	0.85	720150	20
WFL600	660	130	1.00	720160	20

For wall-mount application use 1 pieces of Spacer PD11 with 1 set of PSROM10x80.
For the installation of wire mesh cable trays - use 2 pieces of Clamping Piece ZS/ZSO

WFC/WFCO



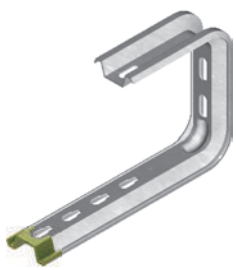
APPLICATION
Suspending cable routes.

WFC/WFCO...

± 2.0 mm

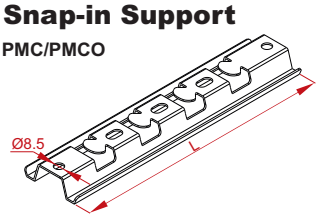
CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WFC/WFCO100	165	0.47	720310	20
WFC/WFCO150	205	0.53	720315	20
WFC/WFCO200	255	0.60	720320	20
WFC/WFCO300	355	0.73	720330	20
WFC/WFCO400	455	0.86	720340	20

For wall-mount application use 1 pieces of Spacer PD11 with 1 set of PSROM10x80
For the installation of wire mesh cable trays - use 2 pieces of Clamping Piece ZS/ZSO



Snap-in Support

PMC/PMCO



PMC/PMCO...

± 2.0 mm

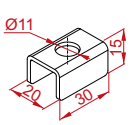
CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
PMC/PMCO100	150	0.30	900910	50
PMC/PMCO200	250	0.43	900920	50
PMC/PMCO300	350	0.58	900930	20
PMC/PMCO400	450	0.72	900940	20

For wall-mount application use 2 pieces of Spacer PD11 with 2 sets of PSROM8x75 Screwless assembly of wire mesh trays on snap-in support

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC) (info p .4)

Spacer

PD11



APPLICATION
Used together with WFL/WFLO and WFC/WFCO as well as with Snap-In support PMC/PMCO helps to secure firm assembly.

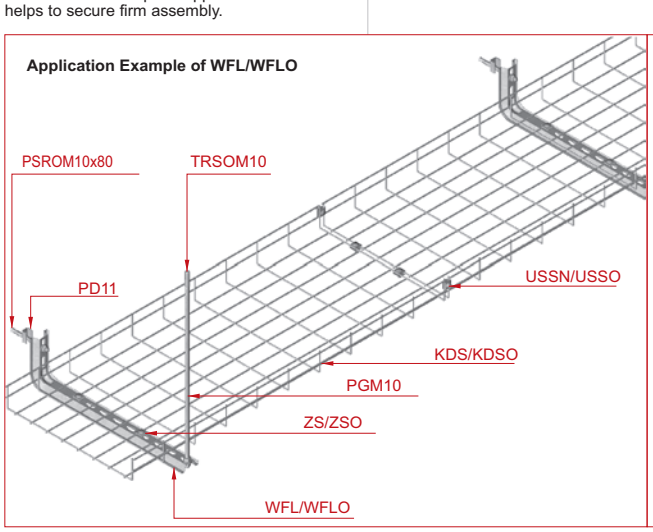
PD11

± 2.0 mm

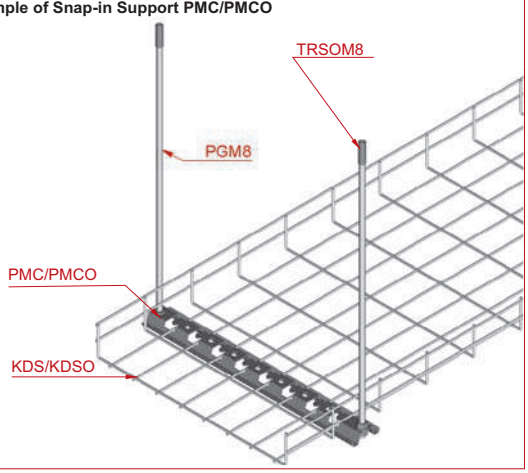
CODE	Dimension ∅ mm	kg 1 pc	Catalogue No.	Qty
PD11	11	0.03	803100	100

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Application Example of WFL/WFLO



Application Example of Snap-in Support PMC/PMCO

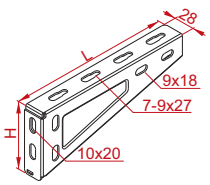


Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Bracket

WWS/WWSO



WWS/WWSO...

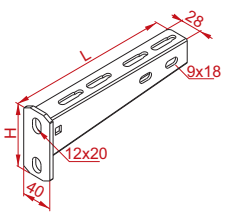
CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
			± 2.0 mm		
WWS/WWSO100	115	80	0.19	710510	50
WWS/WWSO150	165	80	0.28	710515	50
WWS/WWSO200	215	90	0.38	710520	30
			± 2.5 mm		
WWS/WWSO300	315	115	0.77	710530	30
WWS/WWSO400	415	115	1.20	710540	20
WWS/WWSO300	315	115	0.77	710530	30
WWS/WWSO400	415	115	1.20	710540	20

For the installation of wire mesh cable trays - use 2 pieces of Clamping Piece ZS/ZSO

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L- powder coating in a full range of colours (PC)
(info p .4)

Bracket

WMC/WMCO



APPLICATION
Supporting cable trays, ladders
and wire mesh cable trays

WMC/WMCO...

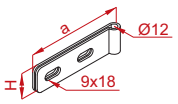
CODE	Length L mm	Height H mm	kg 1 pc	Catalogue No.	Qty
WMC/WMCO100	115	95	0.22	711110	50
WMC/WMCO150	165	95	0.29	711115	50
WMC/WMCO200	215	95	0.36	711120	20
WMC/WMCO300	315	120	0.43	711130	20
WMC/WMCO400	415	120	0.83	711140	20
WMC/WMCO500	515	130	0.96	711150	20
WMC/WMCO600	615	130	1.15	711160	20

For the installation of wire mesh cable trays - use 2 pieces of Clamping Piece ZS/ZSO

MATERIAL
Steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Rod Grip

UPW/UPWO



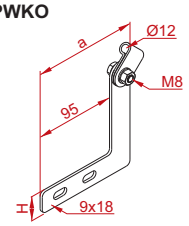
UPW/UPWO

± 2.0 mm

CODE	Width a mm	Height H mm	Catalogue No.	Qty
UPW/UPWO	95	25	750100	100

For assembly to bracket use 2 sets of SGKM8x14

UPWK/UPWKO



APPLICATIONS
Securing electrical cables and wires against falling off the tray. It may be used with Brackets WMC/WMCO and WWS/WWSO.

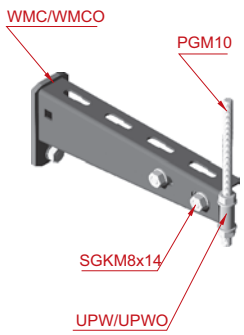
UPWK/UPWKO

CODE	Width a mm	Height H mm	Catalogue No.	Qty
UPWK/UPWKO	128	25	752900	50

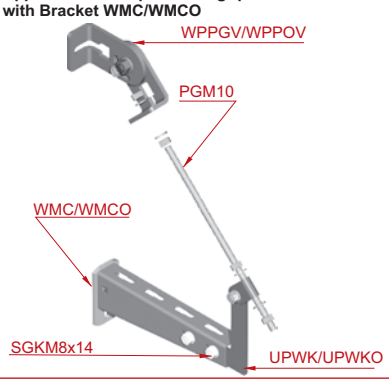
For the installation of wire mesh cable trays - use 2 pieces of Clamping Piece ZS/ZSO

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

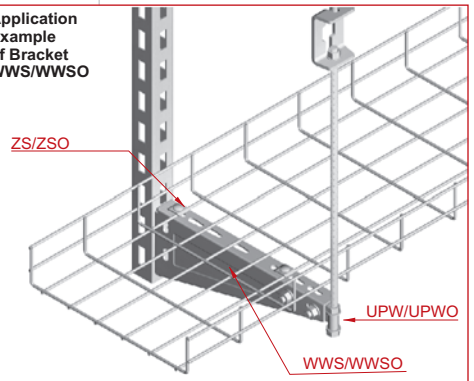
Application Example of rod grip UPW/UPWO with Bracket WMC/WMCO



Application Example of rod grip UPWK/UPWKO with Bracket WMC/WMCO



Application Example of Bracket WWS/WWSO

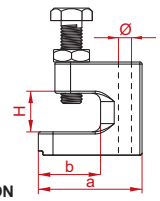


Thickn. (ga) ± [mm]: 1.0 1.2 1.5 2.0 2.5

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Beam Clamp

ZK



APPLICATION
Fixing threaded rods to I-beams, angle bars, etc.

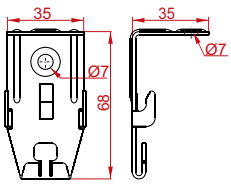
ZK...

CODE	Dimension Dia. Ø mm	Dimension a mm	Dimension b mm	Dimension H mm	kg 1 pc	Catalogue No.	Qty
ZK8/19	9	38	21	19	0.14	752208	100
ZK10	11	45	23	22	0.14	752210	50

MATERIAL
Forged, electro-galvanised steel (EG)
Available finishes:
F- forged steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09

Side Holder

WKS/WKSO60



APPLICATION
Suspending wire mesh cable trays

WKS/WKSO60

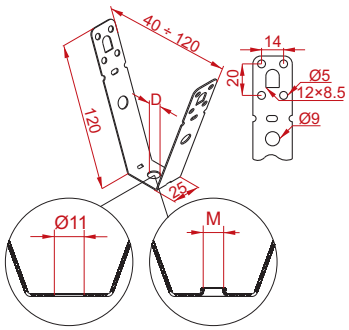
± 2.0 mm

CODE	kg 1 pc.	Catalogue No.	Qty
WKS/WKSO60	0.04	971100	100

For installation to:
- the wall use anchor bolt SROM6x30
- the ceiling use anchor bolt SROM6x30 or rod PGM6/1 and drop-in anchor TRSOM6

Trapezoidal Ceiling Bracket

WT/WTO120...



APPLICATION
Piece used together with threaded rod to support wire mesh cable tray to the trapezoidal decking sheet

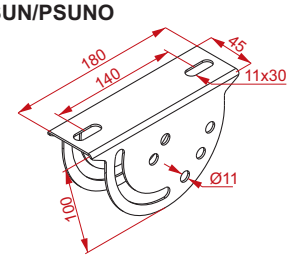
WT/WTO120...

± 2.5 mm

CODE	Dimension D mm	Safe Working Load F_{max}[kN]	Catalogue No.	Qty
WT/WTO120Ø11	Ø11	1.20	730712	100
WT/WTO120M6	M6	1.20	730512	100
WT/WTO120M8	M8	1.20	730612	100

Head Plate - Variable

PSUN/PSUNO



APPLICATION
Suspending cable routes. Advantages of variable head plate: smooth angle adjustment or adjustment with regulation screw.

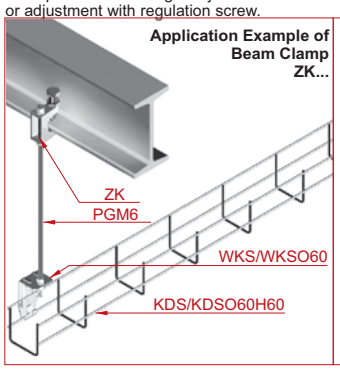
PSUN/PSUNO

± 2.0 mm

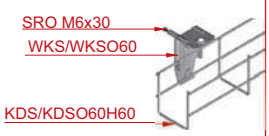
CODE	kg 1 pc	Catalogue No.	Qty
PSUN/PSUNO	0.45	741518	30

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

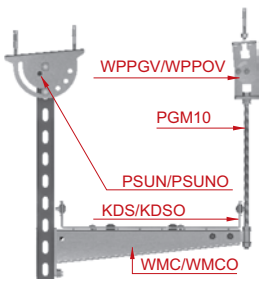
Application Example of Beam Clamp ZK...



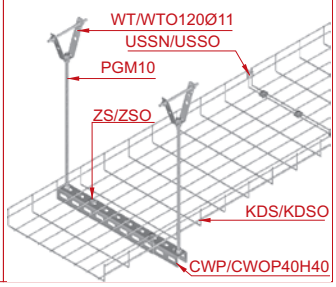
Application Example of Side Holder WKS/WKSO60



Application Example of Head Plate Variable PSUN/PSUNO



Application Example of Trapezoidal Ceiling Bracket WT/WTO120Ø11

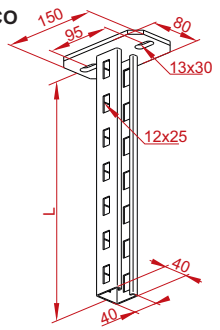


Thickn. (ga) ± [mm]: 1.0 1.2 1.5 2.0 2.5

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Ceiling Bracket

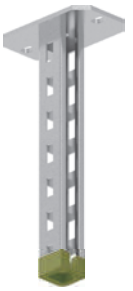
WPCW/WPCO



WPCW/WPCO...

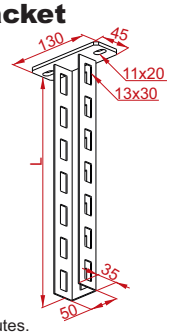
CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPCW/WPCO200	200	0.90	750620	20
WPCW/WPCO300	300	1.10	750630	20
WPCW/WPCO400	400	1.30	750640	10
WPCW/WPCO500	500	1.47	750650	10
WPCW/WPCO600	600	1.67	750660	10
WPCW/WPCO700	700	1.86	750670	10
WPCW/WPCO800	800	2.10	750680	10
WPCW/WPCO900	900	2.25	750690	10
WPCW/WPCO1000	1000	2.45	750611	10
WPCW/WPCO1100	1100	2.70	750511	10
WPCW/WPCO1200	1200	2.95	750512	10
WPCW/WPCO1500	1500	3.26	750515	4
WPCW/WPCO2000	2000	4.90	750612	4
WPCW/WPCO3000	3000	6.35	750613	4

For the installation to the ceiling use 2 Set PSROM10x80.



Ceiling Bracket

WPCB



APPLICATION
Suspending cable routes.

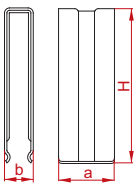
WPCB...

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
WPCB200	200	0.72	752002	10
WPCB300	300	0.88	752003	10
WPCB400	400	1.04	752004	10
WPCB500	500	1.18	752005	6
WPCB600	600	1.34	752006	6
WPCB700	700	1.48	752007	2
WPCB800	800	1.68	752008	2
WPCB900	900	1.80	752009	2
WPCB1000	1000	1.96	752010	2
WPCB2000	2000	3.52	752020	2
WPCB3000	3000	5.08	752030	2

MATERIAL
Steel, hot-dip galvanised
to PN-EN ISO 1461:2011 (HDG)
Available finishes:
E - stainless steel, grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)

Spacer

BR...



APPLICATION
Used as spacer protecting against crushing steel profile during installation

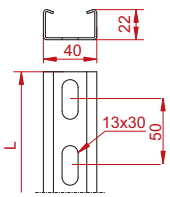
BR...

CODE	Width a mm	Height H mm	Dimension b mm	Catalogue No.	Qty
BR40	35	100	15	700100	50
BR55	47	140	15	700300	50
BR70	60	140	15	700400	50

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating
PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC)
(info p .4)

Support Channel

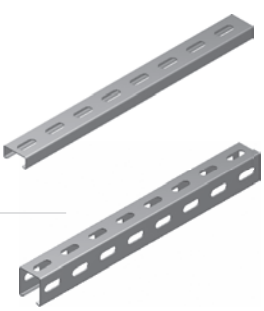
CWP40H22



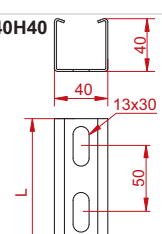
CWP40H22...

± 1.5 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
CWP40H22/02	200	0.21	610202	50
CWP40H22/03	300	0.31	610203	50
CWP40H22/04	400	0.41	610204	30
CWP40H22/05	500	0.52	610205	30
CWP40H22/06	600	0.62	610206	30
CWP40H22/07	700	0.72	610207	30
CWP40H22/1	1000	1.03	610210	8
CWP40H22/2	2000	2.06	610220	8
CWP40H22/3	3000	3.09	610230	8
CWP40H22/6	6000	6.18	610260	8



CWP/CWOP40H40



APPLICATION
Used for suspending lighting, and as construction element for installing wire mesh cable trays, and ladders.

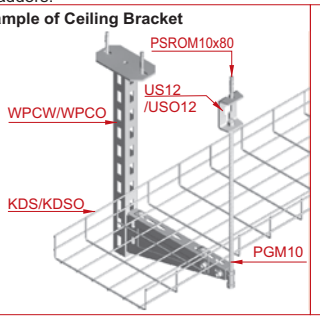
CWP/CWOP40H40...

± 1.5 mm

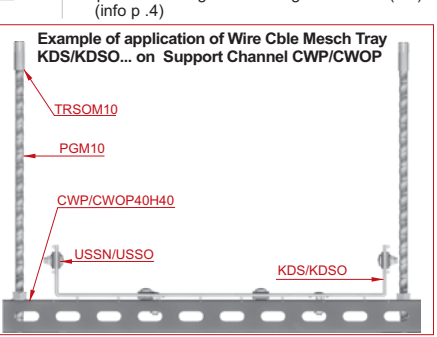
CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
CWP/CWOP40H40/02	200	0.26	611102	30
CWP/CWOP40H40/03	300	0.39	611103	30
CWP/CWOP40H40/04	400	0.52	611104	30
CWP/CWOP40H40/05	500	0.65	611105	30
CWP/CWOP40H40/06	600	0.71	804106	30
CWP/CWOP40H40/07	700	0.84	804107	30
CWP/CWOP40H40/1	1000	1.30	611110	8
CWP/CWOP40H40/2	2000	2.60	611120	8
CWP/CWOP40H40/3	3000	3.90	611130	8
CWP/CWOP40H40/6	6000	7.80	611160	8

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv.
to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
(sections up to 3 m)
L - powder coating in a full range of colours (PC)
(info p .4)

Application Example of Ceiling Bracket WPCW/WPCO



Example of application of Wire Cble Mesch Tray KDS/KDSO... on Support Channel CWP/CWOP

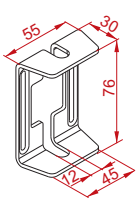


Thickn. (ga) ± [mm]: 1.0 1.2 1.5 2.0 2.5

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Rod Hanger

US12/USO12



APPLICATION

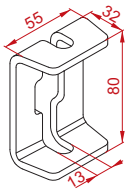
US12/USO12

≠ 3.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
US12/USO12	0.14	750508	100

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

USV/USOV



APPLICATION
Suspending cable routes.

USV/USOV

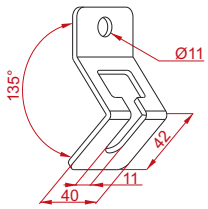
≠ 5.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
USV/USOV	0.21	750709	50

MATERIAL
steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Rod Hanger

WKPO



APPLICATION
Suspending cable routes.

WKPO

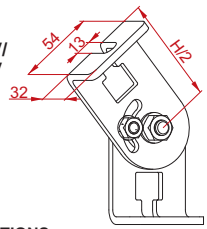
≠ 3.0 mm

CODE	kg 1 pc	Catalogue No.	Qty
WKPO	0.15	750809	100

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304).
L - powder coating in a full range of colours (PC) (info p .4)

Articulated Rod Hanger

WPPGV/ WPPOV



APPLICATIONS
Suspending cable routes at an angle,
Wall - and ceiling-mounte

WPPGV/WPPOV

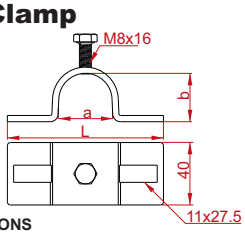
≠ 5.0 mm

CODE	Height H mm	kg 1 pc	Catalogue No.	Qty
WPPGV/WPPOV	126	0.41	731401	50

MATERIAL
steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Pipe Clamp

OBR



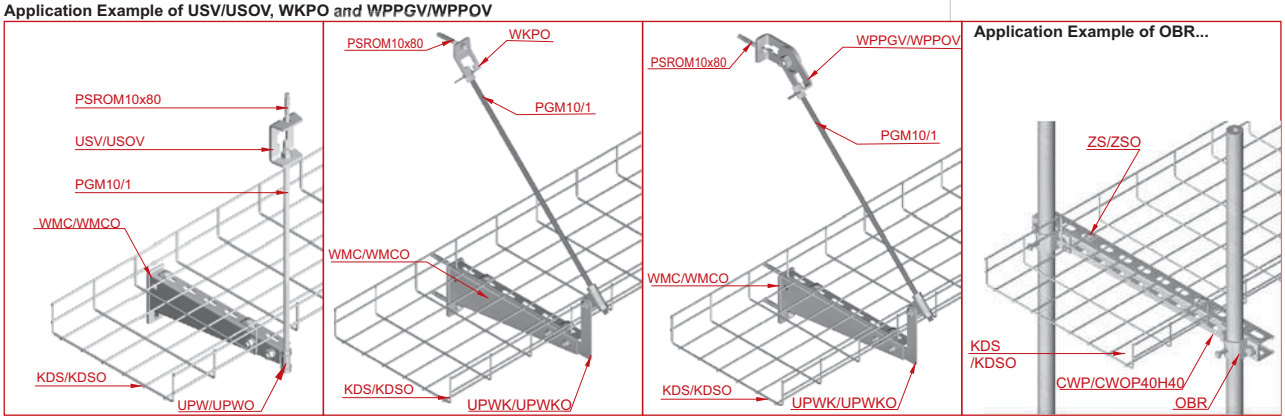
APPLICATIONS
Fixing Support channels CWP/CWOP40H40
to the pipes in rised floor

OBR...

CODE	Dimension a mm	Dimension b mm	Length L mm	kg 1 pc	Catalogue No.	Qty
OBR25	25	23	116	0.16	753300	50
OBR35	35	33	104	0.16	753400	50

MATERIAL
Steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

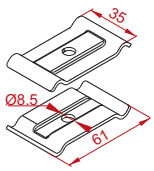
Application Example of USV/USOV, WKPO and WPPGV/WPPOV



Thickn. (ga) ≠ [mm]: 1.5 2.0 2.5 3.0 4.0 5.0 6.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Center Hanger



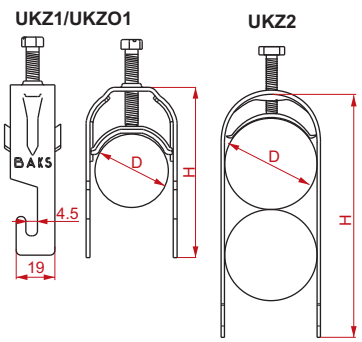
APPLICATION
Suspending/fastening wire mech cable tray

ZSW

CODE	kg 1 pc.	Catalogue No.	Qty
ZSW	0.04	902200	100

MATERIAL
Electro-galvanised steel (EGS)
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E- stainless steel
L- powder coating in a full range of colours (PC) (info p .4)

Cable Clamp



APPLICATION
Fixing cables to wire mesh cable trays

UKZ1/UKZO1...

CODE	Dimension D mm	Height H mm	kg 1 pc.	Catalogue No.	Qty
UKZ1/UKZO1/16-22	16-22	62	0.04	400900	100
UKZ1/UKZO1/22-28	22-28	68	0.06	401000	100
UKZ1/UKZO1/28-34	28-34	76	0.07	401100	100
UKZ1/UKZO1/34-40	34-40	85	0.08	401200	50
UKZ1/UKZO1/40-46	40-46	92	0.09	401300	50
UKZ1/UKZO1/46-52	46-52	102	0.10	401400	50
UKZ1/UKZO1/52-58	52-58	107	0.11	401601	50
UKZ1/UKZO1/58-64	58-64	111	0.12	401500	50

UKZ2...

CODE	Dimension D mm	Height H mm	kg 1 pc.	Catalogue No.	Qty
UKZ2/16-22	16-22	84	0.06	401600	100
UKZ2/22-28	22-28	97	0.09	401700	100
UKZ2/28-34	28-34	110	0.10	401800	100
UKZ2/34-40	34-40	125	0.12	401900	100
UKZ2/40-46	40-46	137	0.13	402000	50
UKZ2/46-52	46-52	154	0.15	402100	50
UKZ2/52-58	52-58	165	0.16	402301	50
UKZ2/58-64	58-64	175	0.17	402200	50

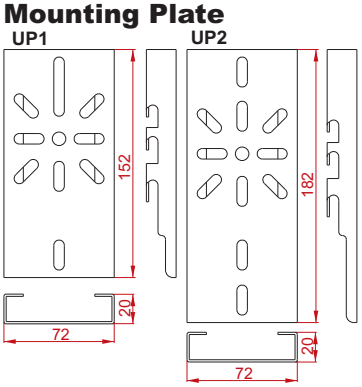
Can be fixed in one UK/UKO1… or UK2/UKO2… cable clamp:
- 3 cables of an above 20mm diameter
- 5 cables of a below 20mm diameter

UKZ1/UKZO1

UKZ2

MATERIAL
steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel

Mounting Plate



UP1

± 1.5 mm

CODE	kg 1 pc	Catalogue No.	Qty
UP1	0.16	951000	20

Assembly of the Mounting Plates on the wire mesh cable tray is screwless. Assembly of the Junction box on the plate by SGKM6x12 screw sets

UP2

± 1.5 mm

CODE	kg 1 pc	Catalogue No.	Qty
UP2	0.20	952000	20

UP1

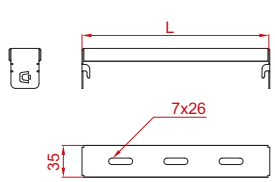
UP2

N

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel galvanized using zinc flake coating PN-EN ISO 10683:2014-09
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

Mounting Plate

UPP



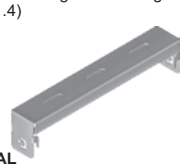
APPLICATION
Fixing box to wire mesh cable trays

UPP...

± 1.5 mm

CODE	Length L mm	kg 1 pc	Catalogue No.	Qty
UPP100	105	0.13	952100	20
UPP150	255	0.18	952150	20
UPP200	205	0.23	952200	20
UPP300	305	0.31	952300	10
UPP400	405	0.39	952400	10
UPP500	505	0.47	952500	10
UPP600	605	0.56	952600	10

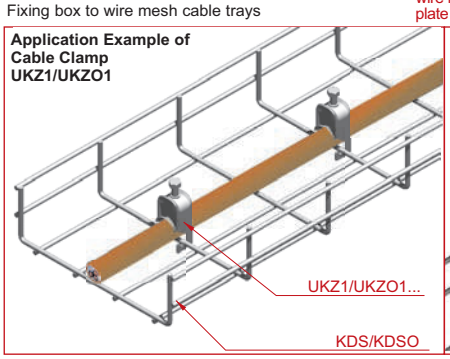
Assembly of the Mounting Plates on the wire mesh cable tray is screwless. Assembly of the Junction box on the plate by SGKM6x12 screw sets.For wire mesh tray 100 and 150mm wide - use 2 pcs of UPPO mounting plate to assembly junction box



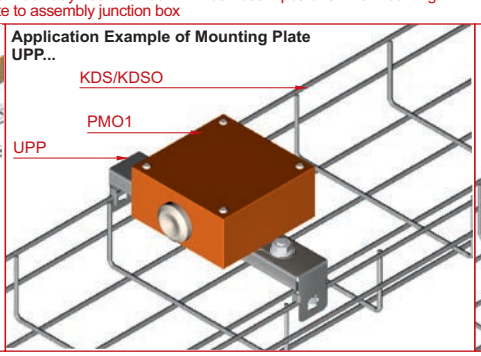
N

MATERIAL
Steel, strip-galv. acc. to the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
F - steel, hot-dip galv. to PN-EN ISO 1461:2011 (HDG)
E - stainless steel (SS), grade 1.4301 (AISI304)
L - powder coating in a full range of colours (PC) (info p .4)

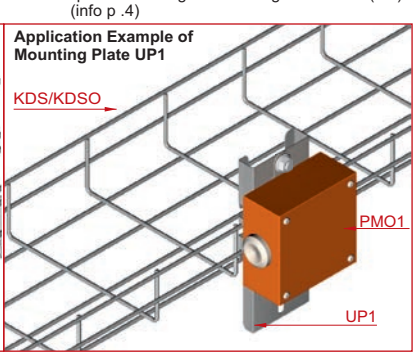
Application Example of Cable Clamp UKZ1/UKZO1



Application Example of Mounting Plate UPP...



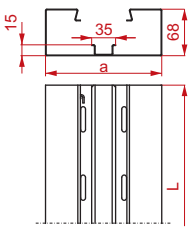
Application Example of Mounting Plate UP1



Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Wall Trunking (painted)

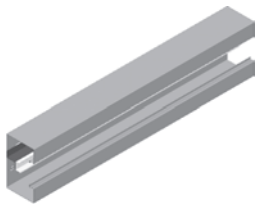
KS



KS...H68

≠ 1.0 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
KS115H68/2	115	2000	2.90	960111	2/4
KS130H68/2	130	2000	3.00	960113	2/4
KS170H68/2	170	2000	3.30	960117	2/4



Cover for Wall Trunking (painted)

PKS

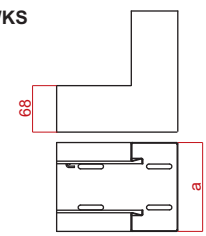
PKS

≠ 1.0 mm

CODE	Width a mm	Length L mm	kg 1 m	Catalogue No.	Qty/m
PKS	82	2000	0.80	900100	10/20

Internal Bend (painted)

KWKS

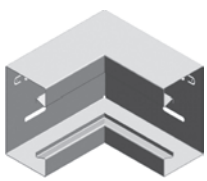


KWKS...H68

≠ 1.0 mm

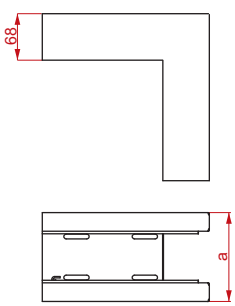
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KWKS115H68	115	0.77	960211	8
KWKS130H68	130	0.80	960213	8
KWKS170H68	170	0.90	960217	6

Note: Cover included



External Bend (painted)

KZKS



KZKS...H68

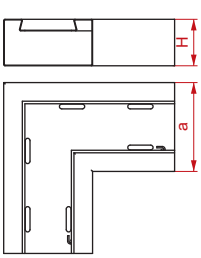
≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KZKS115H68	115	0.65	960311	8
KZKS130H68	130	0.70	960313	8
KZKS170H68	170	0.80	960317	6

Note: Cover included

90° Elbow (painted)

KPKS

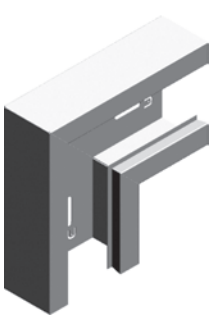


KPKS...H68

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
KPKS115H68	115	0.92	960411	8
KPKS130H68	130	0.95	960413	8
KPKS170H68	170	1.22	960417	6

Note: Cover included



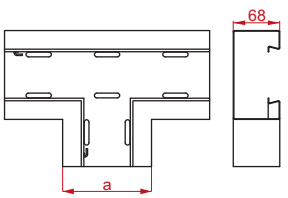
APPLICATION
Indoor cable routing for power, voice and data services

MATERIAL
Electro-galvanised steel (EGS) to PN-EN 10152.
Paint-finished – white to RAL 9010 or grey to RAL 7035.
Available to order:
L- powder coating in a full range of colours (PC) (info page 4)

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Tee (painted)

TSKS

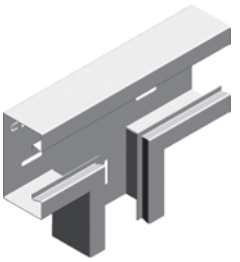


TSKS...H68

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
TSKS115H68	115	1.10	960511	6
TSKS130H68	130	1.20	960513	6
TSKS170H68	170	1.45	960517	6

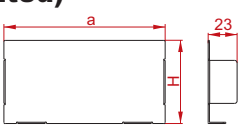
Note: Cover included



APPLICATION
Indoor cable routing for power, voice and data services

Blind End (painted)

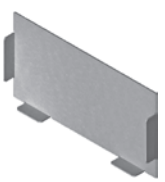
ZK



ZK...H68

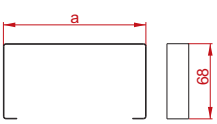
≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
ZK115H68	115	0.06	960611	50
ZK130H68	130	0.07	960613	50
ZK170H68	170	0.09	960617	50
ZK215H68	215	0.12	960621	50



Trunking Clamp (painted)

NM



NM...H68

≠ 1.0 mm

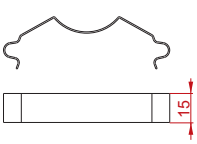
CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
NM115H68	115	0.02	960711	100
NM130H68	130	0.02	960713	100
NM170H68	170	0.03	960717	100
NM215H68	215	0.03	960721	100

MATERIAL
Electro-galvanised steel (EGS) to PN-EN 10152.
Paint-finished – white to RAL 9010 or grey to RAL 7035.
Available to order:
L- powder coating in a full range of colours (PC) (info page 4)

APPLICATION
Creating seamless joints of trunking sections.

Flat Spring

SU



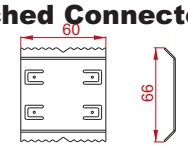
SU

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
SU	20	0.01	960800	100

Notched Connector

LKS



LKSH68

≠ 1.0 mm

CODE	Width a mm	kg 1 pc.	Catalogue No.	Qty
LKSH68	60	0.03	960900	100

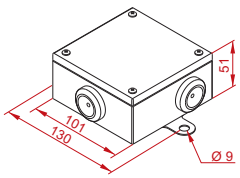
MATERIAL
Brass-plated spring steel

APPLICATION
Joining together surface trunking sections

Thickn. (ga) ≠ [mm]: 0.5 | 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Junction Box

PMO1



PMO1

CODE	Terminals	Cable Glands	Cable diameters Connection Box	Cable diameters Junction Box	Catalogue No.	Qty
PMO1(5/6)	5	6	0.5 mm²÷ 6 mm²	0.5 mm²÷ 1.5 mm²	801100	1
PMO1(5/3)	5	3	0.5 mm²÷ 6 mm²	0.5 mm²÷ 1.5 mm²	801200	1
PMO1(3/3)	3	3	0.5 mm²÷ 6 mm²	0.5 mm²÷ 1.5 mm²	801300	1

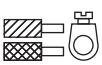
PMO1E

CODE	Terminals	Cable Glands	Cable diameters Connection Box	Cable diameters Junction Box	Catalogue No.	Qty
PMO1(5/6)E	5	6	0.5 mm²÷ 6 mm²	0.5 mm²÷ 1.5 mm²	801101	1
PMO1(5/3)E	5	3	0.5 mm²÷ 6 mm²	0.5 mm²÷ 1.5 mm²	801201	1
PMO1(3/3)E	3	3	0.5 mm²÷ 6 mm²	0.5 mm²÷ 1.5 mm²	801301	1

Cable diameters possible to connect in one hole in terminal (connections box)

0.5-6mm²

Cable diameters possible to connect in one hole in terminal junction box)



5x0.5mm² 3x1.5mm²
5x0.75mm² 1x2.5mm²+1x1.5mm²
4x1.0mm²

Possible to apply M4025 Cable Glands.

Protection class IP65

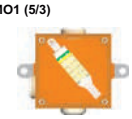
APPLICATION
Connection and junction box, Ui=400 V, electrical functional integrity E30 / E60 / E90 acc to DIN 4102 part 12. Protection class IP65. sealing from 7mm to 18.5mm. Assembly through mounting holes to the concrete by Bolt Anchors SROM6x30. Assembly to cable ladders and cable trays by Screw sets SGKM6x12 and on the wire meshcable tray by UP1 or UPP... Mounting Plates by Screw sets SGNM6x12.

MATERIAL
PMO1 - Steel, powder coated to RAL 2003
PMO1 E - stainless steel 1.4301 powder coated to RAL 2003
- Terminal made from special high–temperature resistant ceramics,
- Cable gland made from halogen-free material
- Fixing through integrated steel grips

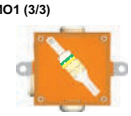
List of assembly elements to fix Junction boxes PMO1 and PMO1E

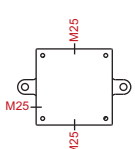
Drilling holes	Ø6x30mm	Ø6x60mm	Ø6x45mm	Ø6x45mm	Ø6x40mm	Ø10x35mm	Ø10	
Screw / Type of surface	SROM6x30	SBOM6x60	GSO6x40	PSROM6x45	MKR6x32	KSKOM8	KKG5	SGKM6x12 SGKM8x14
Concrete	●	●	●	●	●			
Silicate-type brics					●	●		
Poretherm					●	●		
Drywalls							●	
Aerated concrete					●			
Hollow core						●		
Cable route constructions								●

PMO1 (5/3)



PMO1 (3/3)

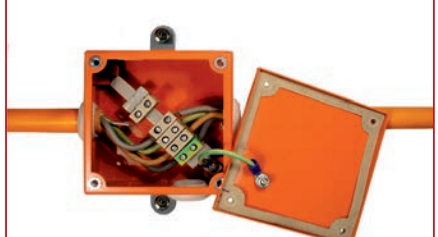




Assembly steps

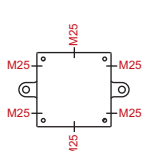
- assembly to the surface
- taking of the cover
- making holes in cable glands

- pulling cables through cable glands
- connecting the cables in terminals

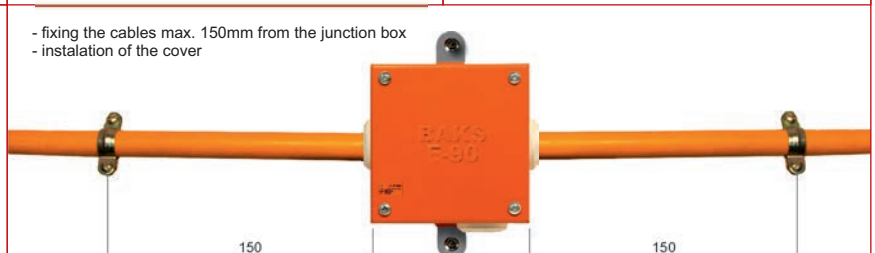


- protection cable **connect always** green/yellow PE terminal

PMO1 (5/6)

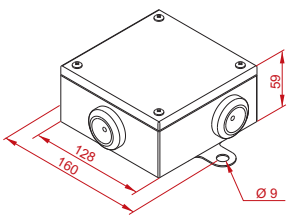


- fixing the cables max. 150mm from the junction box
- instalation of the cover



Junction Box

PMO2



PMO2

CODE	Terminals	Cable Glands	Cable diameters Connection Box	Cable diameters Junction Box	Catalogue No.	Qty
PMO2(5/6)	5	6	1 mm²÷ 10 mm²	1 mm²÷ 4 mm²	802010	1
PMO2(5/3)	5	3	1 mm²÷ 10 mm²	1 mm²÷ 4 mm²	802020	1
PMO2(3/3)	3	3	1 mm²÷ 10 mm²	1 mm²÷ 4 mm²	802030	1

PMO2E

CODE	Terminals	Cable Glands	Cable diameters Connection Box	Cable diameters Junction Box	Catalogue No.	Qty
PMO2(5/6)E	5	6	1 mm²÷ 10 mm²	1 mm²÷ 4 mm²	802011	1
PMO2(5/3)E	5	3	1 mm²÷ 10 mm²	1 mm²÷ 4 mm²	802021	1
PMO2(3/3)E	3	3	1 mm²÷ 10 mm²	1 mm²÷ 4 mm²	802031	1

Cable diameters possible to connect in one hole in terminal (connections box)

1-10mm²

Cable diameters possible to connect in one hole in terminal junction box)

6x1.0mm²
6x1.5mm²
4x2.5mm²
2x4.0mm²

Possible to apply M32 Cable Glands.

Protection class IP65

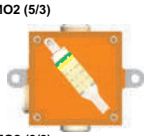
APPLICATION
Connection and junction box, Ui=400 V, electrical functional integrity E30 / E60 / E90 acc to DIN 4102 part 12. Protection class Ip65. sealing from 11mm to 24mm. Assembly through mounting holes to the concrete by Bolt Anchors SROM6x30. Assembly to cable ladders and cable trays by Screw sets SGKM6x12 and on the wire meshcable tray by UP2 or UPP... Mounting Plates by Screw sets SGNM6x12.

MATERIAL
PMO2 - Steel, powder coated to RAL 2003
PMO2 E - stainless steel 1.4301 powder coated to RAL 2003
- Terminal made from special high–temperature resistant ceramics,
- Cable gland made from halogen-free material
- Fixing through integrated steel grips

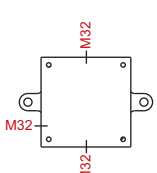
List of assembly elements to fix Junction boxes PMO2 and PMO2E

Drilling holes	Ø6x30mm	Ø6x60mm	Ø6x45mm	Ø6x45mm	Ø6x40mm	Ø10x35mm	Ø10	
Screw / Type of surface	SROM6x30	SBOM6x60	GSO6x40	PSROM6x45	MKR6x32	KSKOM8	KKG5	SGKM6x12 SGKM8x14
Concrete	●	●	●	●	●			
Silicate-type brics					●	●		
Poretherm					●	●		
Drywalls							●	
Aerated concrete					●			
Hollow core						●		
Cable route constructions								●

PMO2 (5/3)



PMO2 (3/3)



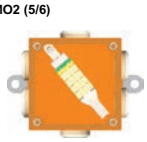
Assembly steps

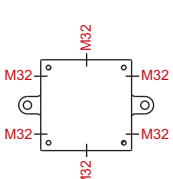
- assembly to the surface
- taking of the cover
- making holes in cable glands

- pulling cables through cable glands
- connecting the cables in terminals

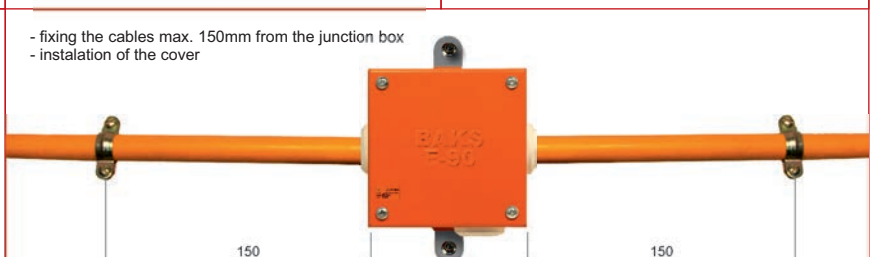
- protection cable **connect always** green/yellow PE terminal

PMO2 (5/6)



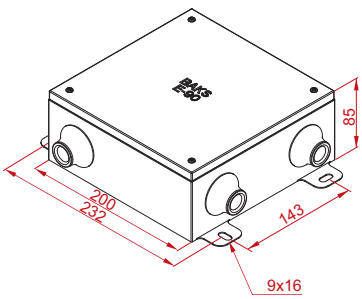


- fixing the cables max. 150mm from the junction box
- instalation of the cover



Junction Box

PMO3



PMO3

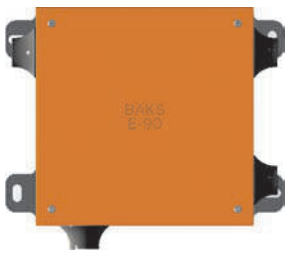
CODE	Terminals	Cable Glands	Cable diameters Connection Box	Cable diameters Junction Box	Catalogue No.	Qty
PMO3(6/4)	6	4	1 mm²÷ 16 mm²	1 mm²÷ 16 mm²	803011	1

PMO3E

CODE	Terminals	Cable Glands	Cable diameters Connection Box	Cable diameters Junction Box	Catalogue No.	Qty
PMO3(6/4)E	6	4	1 mm²÷ 16 mm²	1 mm²÷ 16 mm²	803021	1

Cable diameters possible to connect in one hole in terminal

1-16mm²



Protection class IP65

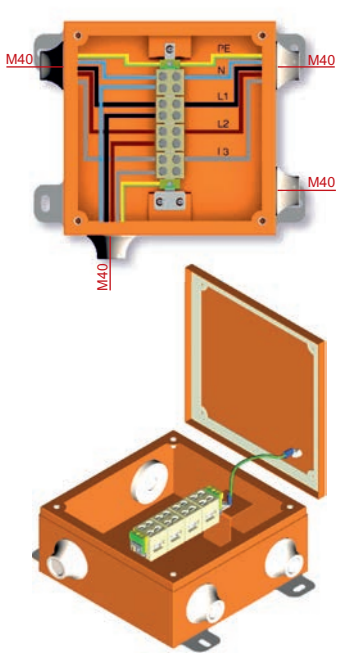
Possible to apply M40 Cable Glands.

APPLICATION
Connection and junction box, Ui=400 V, electrical functional integrity E30 / E60 / E90 acc to DIN 4102 part 12. Protection class IP65. sealing from 7mm to 28mm. Assembly through mounting holes to the concrete by Bolt Anchors SROM6x30. Assembly to cable ladders and cable trays by Screw sets SGKM6x12 and on the wire meshcable tray by UP2 or UPP... Mounting Plates by Screw sets SGNM6x12.

MATERIAL
PMO3 - steel, hot-dip galvanised to PN-EN ISO 1461:2011. powder coated to RAL 2003
PMO3E - stainless steel 1.4301 powder coated to RAL 2003
- Terminal made from special high–temperature resistant ceramics,
- Cable gland made from halogen-free material
- Fixing through integrated steel grips

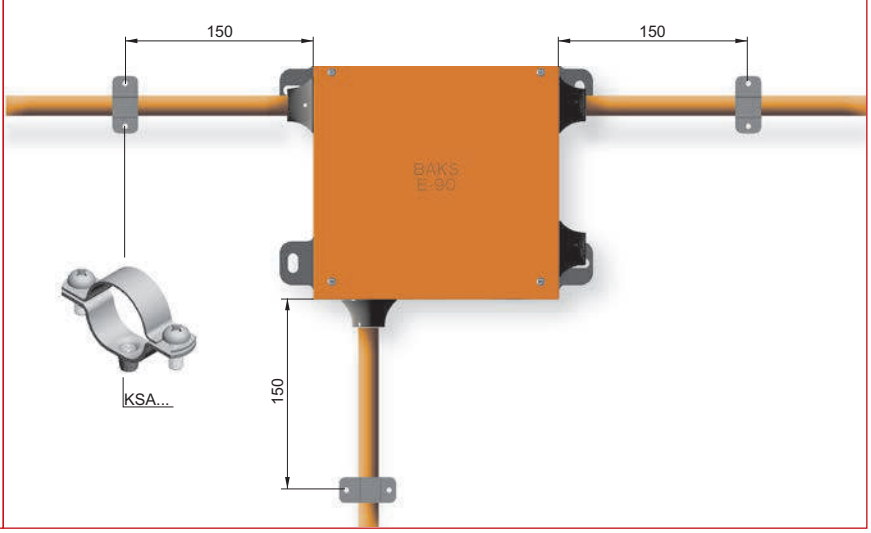
List of assembly elements to fix Junction boxes PMO3 and PMO3E

Drilling holes	Ø6x30mm	Ø6x60mm	Ø6x45mm	Ø6x45mm	Ø6x40mm	Ø10x35mm	Ø10	
Screw / Type of surface	SROM6x30	SBOM6x60	GSO6x40	PSROM6x45	MKR6x32	KSKOM8	KKG5	SGKM6x12 SGKM8x14
Concrete	●	●	●	●	●			
Silicate-type brics					●	●		
Poretherm					●	●		
Drywalls							●	
Aerated concrete					●			
Hollow core						●		
Cable route constructions								●



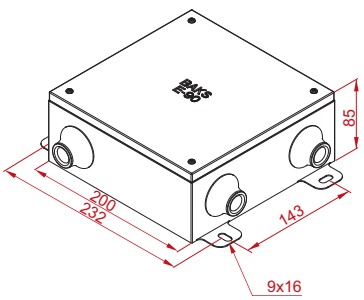
Assembly steps

- fixing the cables max. 150mm from the junction box



Junction Box with Fuse

PMO3B



PMO3B

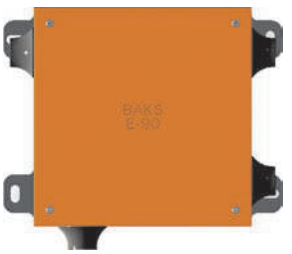
CODE	Terminals	Cable Glands	Cable diameters Connection Box	Cable diameters Junction Box	Catalogue No.	Qty
PMO3B(6/4)	6	4	1 mm²÷ 16 mm²	1 mm²÷ 16 mm²	803031	1

PMO3BE

CODE	Terminals	Cable Glands	Cable diameters Connection Box	Cable diameters Junction Box	Catalogue No.	Qty
PMO3B(6/4)E	6	4	1 mm²÷ 16 mm²	1 mm²÷ 16 mm²	803041	1

Cable diameters possible to connect in one hole in terminal

1-16mm²



Protection class IP65

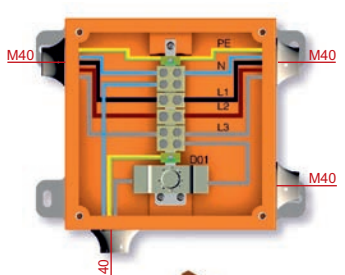
APPLICATION
Connection and junction box, Ui=400 V, electrical functional integrity E30 / E60 / E90 acc to DIN 4102 part 12. Protection class IP65. sealing from 7mm to 28mm. Assembly through mounting holes to the concrete by Bolt Anchors SROM6x30. Assembly to cable ladders and cable trays by Screw sets SGKM6x12 and on the wire meshcable tray by UP2 or UPP... Mounting Plates by Screw sets SGNM6x12 or SGKM6x12

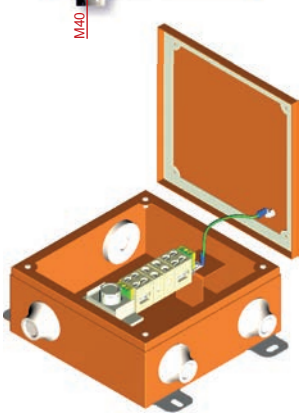
Possible to apply M40 Cable Glands.

MATERIAL
PMO3B - steel, hot-dip galvanised to PN-EN ISO 1461:2011. powder coated to RAL 2003
PMO3BE - stainless steel 1.4301 powder coated to RAL 2003
- Terminal made from special high–temperature resistant ceramics,
- Cable gland made from halogen-free material
- Fixing through integrated steel grips
- Fus socket D01

List of assembly elements to fix Junction boxes PMO3B and PMO3BE

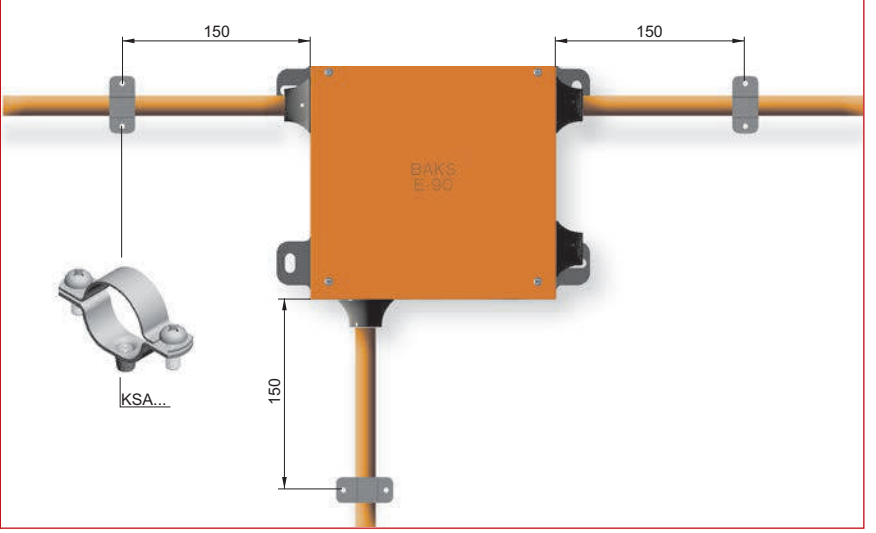
Drilling holes	Ø6x30mm	Ø6x60mm	Ø6x45mm	Ø6x45mm	Ø6x40mm	Ø10x35mm	Ø10	
Screw / Type of surface	SROM6x30	SBOM6x60	GSO6x40	PSROM6x45	MKR6x32	KSKOM8	KKG5	SGKM6x12 SGKM8x14
Concrete	●	●	●	●	●			
Silicate-type brics					●	●		
Poretherm					●	●		
Drywalls							●	
Aerated concrete					●			
Hollow core						●		
Cable route constructions								●





Assembly steps

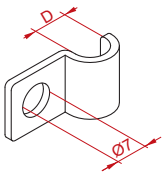
- fixing the cables max. 150mm from the junction box



Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Cable Clip

UDF



UDF...

≠ 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDF5	5	405505	100
UDF6	6	405506	100
UDF7	7	405507	100
UDF8	8	405508	100
UDF9	9	405509	100
UDF10	10	405510	100
UDF12	12	405512	100
UDF14	14	405514	100

UDF...

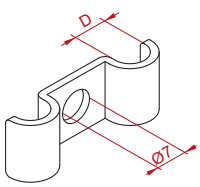
≠ 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDF15	15	405515	100
UDF16	16	405516	100
UDF18	18	405518	100
UDF20	20	405520	100
UDF22	22	405522	100
UDF25	25	405525	100
UDF26	26	405526	100
UDF28	28	405528	100
UDF32	32	405532	100
UDF33	33	405533	100
UDF35	35	405535	100
UDF36	36	405536	100
UDF40	40	405540	100
UDF42	42	405542	100

For the installation use the following bolt options:
- SROM6x30
- SRBOM6x30 + NSM6 + PP6
- SBOM5x60
- KWBO6x35 or KWBO6x40
- GSO6x40
- KSKOM6
- KKG5
- MKR6x32
- PSROM6x45
- SMD4.8x16

Cable Clip

UEF



UEF...

≠ 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEF5	5	405605	100
UEF6	6	405606	100
UEF7	7	405607	100
UEF8	8	405608	100
UEF9	9	405609	100
UEF10	10	405610	100
UEF12	12	405612	100
UEF14	14	405614	100

UEF...

≠ 2.0 mm

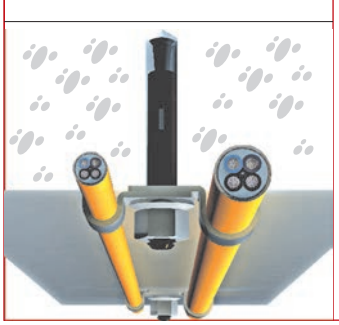
CODE	Dimension D mm	Catalogue No.	Qty
UEF15	15	405615	100
UEF16	16	405616	100
UEF18	18	405618	100
UEF20	20	405620	100
UEF22	22	405622	100
UEF25	25	405625	100
UEF26	26	405626	100
UEF28	28	405628	100
UEF32	32	405632	100
UEF33	33	405633	100
UEF35	35	405635	100
UEF36	36	405636	100
UEF40	40	405640	100
UEF42	42	405642	100

For the installation use the following bolt options:
- SROM6x30
- SRBOM6x30 + NSM6 + PP6
- SBOM5x60
- KWBO6x35 or KWBO6x40
- GSO6x40
- KSKOM6
- KKG5
- MKR6x32
- PSROM6x45
- SMD4.8x16

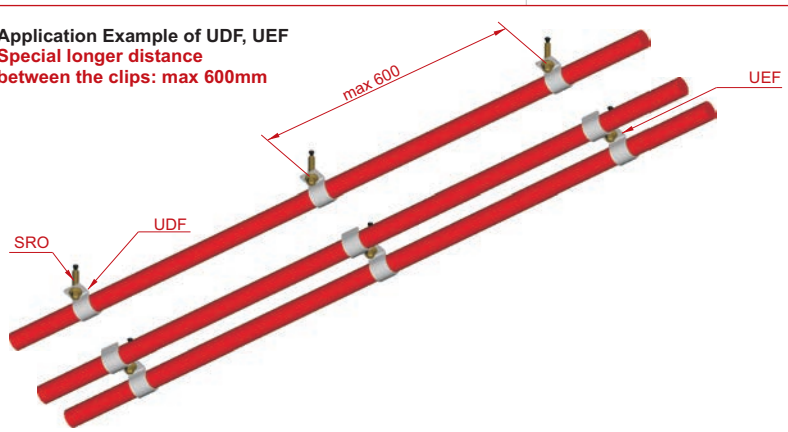
APPLICATIONS
Fixing cables directly to the walls and ceilings

MATERIAL
Steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09

Installation Example of Two Different Sizes of Cable Clips UDF on a Single Bolt SRO



Application Example of UDF, UEF
Special longer distance between the clips: max 600mm

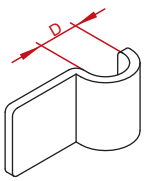


Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Cable Clip

UDFB...



UDFB... ± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDFB5	5	425505	100
UDFB6	6	425506	100
UDFB7	7	425507	100
UDFB8	8	425508	100
UDFB9	9	425509	100
UDFB10	10	425510	100
UDFB12	12	425512	100
UDFB14	14	425514	100

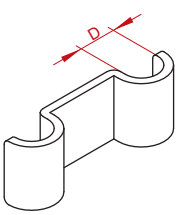
UDFB... ± 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDFB15	15	425515	100
UDFB16	16	425516	100
UDFB18	18	425518	100
UDFB20	20	425520	100
UDFB22	22	425522	100
UDFB25	25	425525	100
UDFB26	26	425526	100
UDFB28	28	425528	100
UDFB32	32	425532	100
UDFB33	33	425533	100
UDFB35	35	425535	100
UDFB36	36	425536	100
UDFB40	40	425540	100
UDFB42	42	425542	100

MATERIAL
steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel
L- powder coating in a full range of colours (PC) (info p .4)

Cable Clip

UEFB...



UEFB... ± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEFB5	5	425705	100
UEFB6	6	425706	100
UEFB7	7	425707	100
UEFB8	8	425708	100
UEFB9	9	425709	100
UEFB10	10	425710	100
UEFB12	12	425712	100
UEFB14	14	425714	100

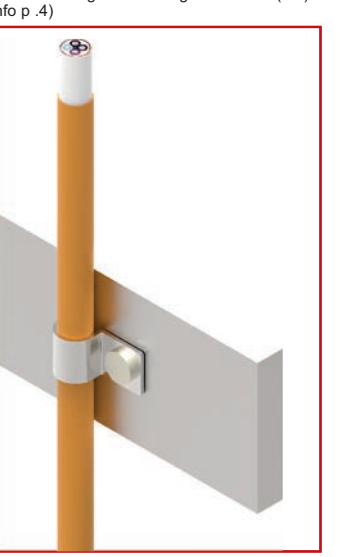
UEFB... ± 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEFB15	15	425715	100
UEFB16	16	425716	100
UEFB18	18	425718	100
UEFB20	20	425720	100
UEFB22	22	425722	100
UEFB25	25	425725	100
UEFB26	26	425726	100
UEFB28	28	425728	100
UEFB32	32	425732	100
UEFB33	33	425733	100
UEFB35	35	425735	100
UEFB36	36	425736	100
UEFB40	40	425740	100
UEFB42	42	425742	100

MATERIAL
Steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09
Available finishes:
E- stainless steel
L- powder coating in a full range of colours (PC) (info p .4)

APPLICATION
Fixing cables directly to the walls and ceillings using the Gas Nail Gun

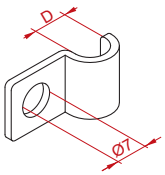
An example of UDFB application using the Gas Nail Gun



Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cable Clip

UDF...E



UDF...E

≠ 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDF5E	5	415505	100
UDF6E	6	415506	100
UDF7E	7	415507	100
UDF8E	8	415508	100
UDF9E	9	415509	100
UDF10E	10	415510	100
UDF12E	12	415512	100
UDF14E	14	415514	100

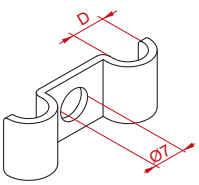
UDF...E

≠ 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDF15E	15	415515	100
UDF16E	16	415516	100
UDF18E	18	415518	100
UDF20E	20	415520	100
UDF22E	22	415522	100
UDF25E	25	415525	100
UDF26E	26	415526	100
UDF28E	28	415528	100
UDF32E	32	415532	100
UDF33E	33	415533	100
UDF35E	35	415535	100
UDF36E	36	415536	100
UDF40E	40	415540	100
UDF42E	42	415542	100

Cable Clip

UEF...E



UEF...E

≠ 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEF5E	5	415605	100
UEF6E	6	415606	100
UEF7E	7	415607	100
UEF8E	8	415608	100
UEF9E	9	415609	100
UEF10E	10	415610	100
UEF12E	12	415612	100
UEF14E	14	415614	100

UEF...E

≠ 2.0 mm

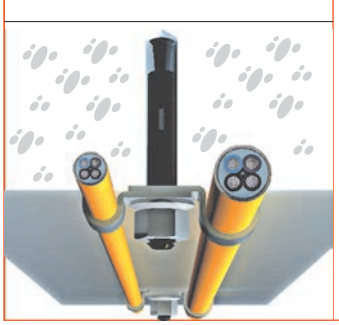
CODE	Dimension D mm	Catalogue No.	Qty
UEF15E	15	415615	100
UEF16E	16	415616	100
UEF18E	18	415618	100
UEF20E	20	415620	100
UEF22E	22	415622	100
UEF25E	25	415625	100
UEF26E	26	415626	100
UEF28E	28	415628	100
UEF32E	32	415632	100
UEF33E	33	415633	100
UEF35E	35	415635	100
UEF36E	36	415636	100
UEF40E	40	415640	100
UEF42E	42	415642	100

For the installation use the following bolt options:
- SROM6x30
- SRBOM6x30 + NSM6 + PP6
- KWBO6x35 or KWBO6x40
- KSKOM6
- PSROM6x45

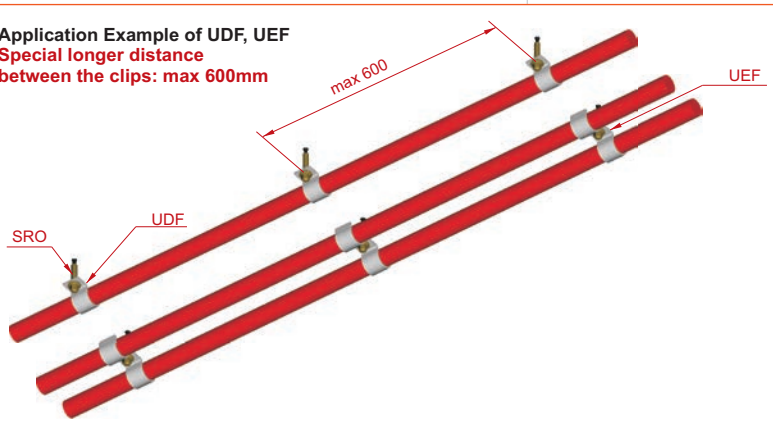
APPLICATIONS
Fixing cables directly to the walls and ceilings

MATERIAL
Stainless steel, grade 1.4301 (AISI304).

Installation Example of Two Different Sizes of Cable Clips UDF on a Single Bolt SRO



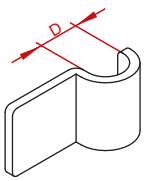
Application Example of UDF, UEF
Special longer distance between the clips: max 600mm



Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cable Clip

UDFB...E



UDFB...E

± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDFB5E	5	425605	100
UDFB6E	6	425606	100
UDFB7E	7	425607	100
UDFB8E	8	425608	100
UDFB9E	9	425609	100
UDFB10E	10	425610	100
UDFB12E	12	425612	100
UDFB14E	14	425614	100

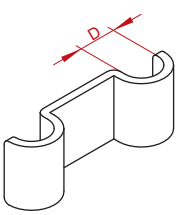
UDFB...E

± 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UDFB15E	15	425615	100
UDFB16E	16	425616	100
UDFB18E	18	425618	100
UDFB20E	20	425620	100
UDFB22E	22	425622	100
UDFB25E	25	425625	100
UDFB26E	26	425626	100
UDFB28E	28	425628	100
UDFB32E	32	425632	100
UDFB33E	33	425633	100
UDFB35E	35	425635	100
UDFB36E	36	425636	100
UDFB40E	40	425640	100
UDFB42E	42	425642	100

Cable Clip

UEFB...E



UEFB...E

± 1.2 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEFB5E	5	425805	100
UEFB6E	6	425806	100
UEFB7E	7	425807	100
UEFB8E	8	425808	100
UEFB9E	9	425809	100
UEFB10E	10	425810	100
UEFB12E	12	425812	100
UEFB14E	14	425814	100

UEFB...E

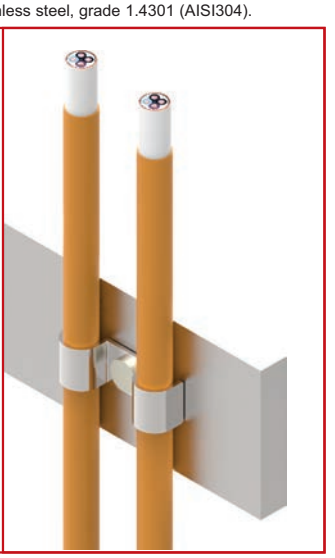
± 2.0 mm

CODE	Dimension D mm	Catalogue No.	Qty
UEFB15E	15	425815	100
UEFB16E	16	425816	100
UEFB18E	18	425818	100
UEFB20E	20	425820	100
UEFB22E	22	425822	100
UEFB25E	25	425825	100
UEFB26E	26	425826	100
UEFB28E	28	425828	100
UEFB32E	32	425832	100
UEFB33E	33	425833	100
UEFB35E	35	425835	100
UEFB36E	36	425836	100
UEFB40E	40	425840	100
UEFB42E	42	425842	100

APPLICATION
Fixing cables directly to the walls and ceillings using the Gas Nail Gun

MATERIAL
Stainless steel, grade 1.4301 (AISI304).

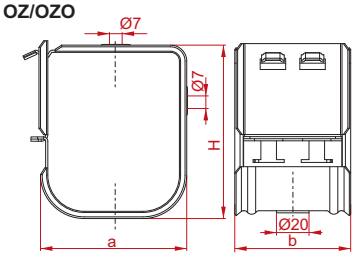
An example of UEFB application using the Gas Nail Gun



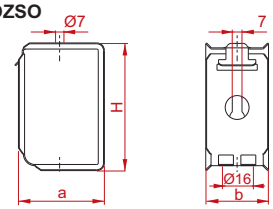
Thickn. (ga) ± [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Cable Hanger

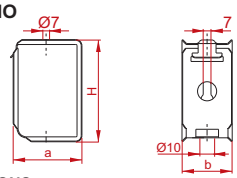
OZ/OZO



OZS/OZSO



OZM/OZMO



APPLICATIONS
Suspending cable routes.

OZ/OZO

≠ 1.5 mm

CODE	Dimension a mm	Dimension b mm	Dimension H mm	Safe Working Load F_{max}[kN/m]	kg 1 pc	Catalogue No.	Qty
OZ/OZO	100	82	120	0.06	0.38	**752400**	50

OZS/OZSO

≠ 0.7 mm

CODE	Dimension a mm	Dimension b mm	Dimension H mm	Safe Working Load F_{max}[kN/m]	kg 1 pc	Catalogue No.	Qty
OZS/OZSO	52	38	81	0.02	0.12	**752500**	100

OZM/OZMO

≠ 0.7 mm

CODE	Dimension a mm	Dimension b mm	Dimension H mm	Safe Working Load F_{max}[kN/m]	kg 1 pc	Catalogue No.	Qty
OZM/OZMO	42	33	62	0.01	0.08	**753200**	100

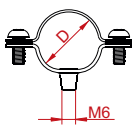
For the installation use the following bolt options:
- SROM6x30
- SRBOM6x30 + NSM6 + PP6
- KWBO6x35 or KWBO6x40
- GSO6x40
- KSKOM6
- KKG5
- MKR6x32
- PSROM6x45 or PSROM6x50

Safe working load: see Safe Loads Table
Standard spacing of supports: 0.3m
Upgraded standard of supports – 0.6m

MATERIAL
Steel, strip-galv. acc. to
the Sendzimir method to PN-EN 10346:2015-09
Available finishes:
E - stainless steel
PN-EN 10088 - only OZ/OZO

Cable Clip

KSA



APPLICATIONS
Fixing cables directly to the walls and ceilings

KSA...

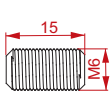
CODE	Dimension D mm	Catalogue No.	Qty
KSA6	5-6	**805106**	100
KSA8	7-8	**805108**	100
KSA10	9-10	**805110**	100
KSA12	11-12	**805112**	100
KSA14	13-14	**805114**	100
KSA16	15-16	**805116**	100
KSA18	17-18	**805118**	100
KSA20	19-20	**805120**	100
KSA22	21-23	**805122**	100
KSA24	24-25	**805124**	100
KSA25	25-26	**805125**	100
KSA26	26-27	**805126**	100
KSA28	28-29	**805128**	100
KSA32	31-32	**805132**	100
KSA35	34-35	**805135**	100
KSA37	36-37	**805136**	100
KSA40	39-40	**805140**	100
KSA42	41-43	**805142**	100
KSA47	45-47	**805148**	100
KSA50	49-51	**805150**	100
KSA55	52-55	**805155**	100

For the installation use Bolts
SRBOM6x30 and Threaded Rod PGM6
with Drop-In Anchor TRSOM6

MATERIAL
Electro-galvanised steel (EGS).

Screw

KM6x15



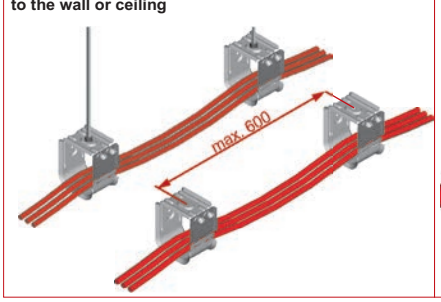
APPLICATION
Installing to pieces of Cable Clip KSA together

KM6x15

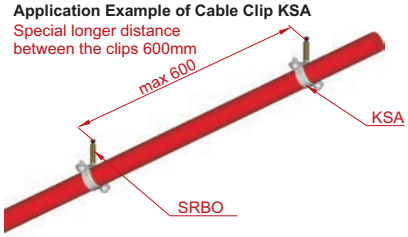
CODE	Catalogue No.	Qty
KM6x15	**804022**	100

MATERIAL
Electro-galvanised steel (EGS).

Example of assembly cables in OZ/OZO Cable Hanger to the wall or ceiling

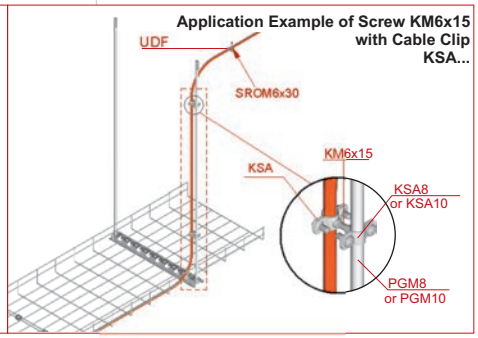


Application Example of Cable Clip KSA
Special longer distance
between the clips 600mm



For the installation use Bolts
SRBOM6x30

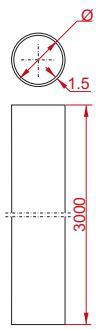
Application Example of Screw KM6x15 with Cable Clip KSA...



Thickn. (ga) ≠ [mm]: 0.7 | 1.0 | 1.2 | 1.5 | 2.0

Thin-walled Pipe

RU...



RU...

≠ 1.5 mm

CODE	Dia. Ø mm	kg 1 pc.	Catalogue No.	qty
RU16x1.5/3F	16	0.54	800188	10
RU20x1.5/3F	20	0.68	800288	10
RU25x1.5/3F	25	0.87	800388	10
RU32x1.5/3F	32	1.13	800488	10
RU40x1.5/3F	40	1.42	800588	10
RU50x1.5/3F	50	1.79	800688	10
RU60x1.5/3F	60	2.16	800788	10
RU63.5x1.5/3F	63.5	2.30	800888	10

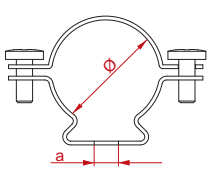
N

APPLICATIONS
Protection of electrical wiring against mechanical damage

MATERIAL
Steel, hot-dip galvanised to PN-EN ISO 1461:2011 (HDG)
Available finishes:
L- powder coating in a full range of colours (PC) (info p .4)

Pipe Clamps

OBS...



OBS...

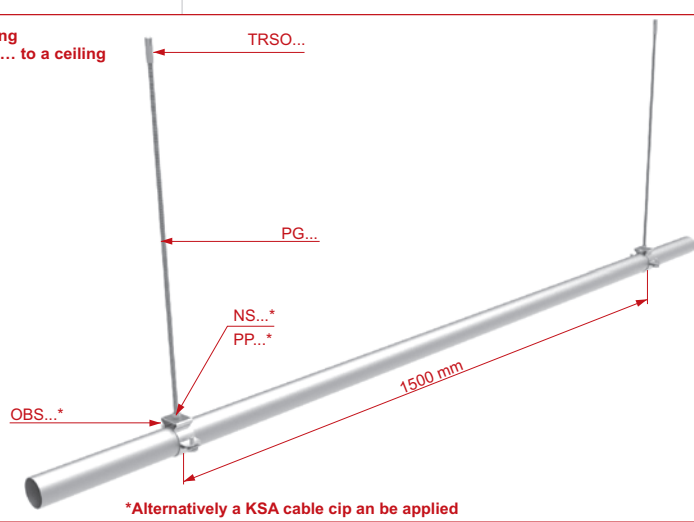
CODE	Dia. Ø mm	Dimension a mm	Catalogue No.	qty
OBS16	16-19.5	6x10	800187	125
OBS20	20-23.5	6x10	800287	100
OBS25	23.5-26	6x10	800387	75
OBS30	26.5-33	6x12	800487	60
OBS40	35-40	6x12	800587	40
OBS50	43-50	8x14	800687	30
OBS60	54-63	8x14	800787	20

N

APPLICATIONS
Direct mounting wires to walls and ceilings

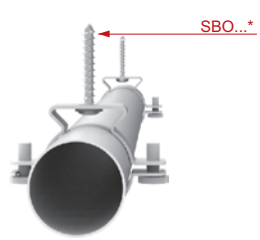
MATERIAL
Electro-galvanised steel (EGS).

An example of mounting a Thin-Walled Pipe RU... to a ceiling



*Alternatively a KSA cable cip an be applied

An example of mounting a Thin-Walled Pipe RU... to a ceiling

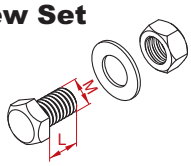


*alternatiely other screws or pins can be used from all BAKS products that do not exceed the diameter of 6mm.

Attention! Hot dip galvanizing (to PN-EN ISO 1461:2011 (HDG) (HDG)) and diffusion galvanizing method (PN-EN ISO 17668:2016) for elements up to 200mm will be replaced with zink flake coating method PN-EN ISO 10683:2014-09

Screw Set

SM



SM...

CODE	Dimension M mm	Length L mm	Catalogue No.	Set
SMM6x16	6	16	652043	100
SMM8x16	8	16	652643	100
SMM8x30	8	30	650543	100
SMM10x20	10	20	650743	100
SMM10x30	10	30	650843	100
SMM10x40	10	40	651243	100
SMM10x60	10	60	650943	100
SMM10x80	10	80	651043	100
SMM10x120	10	120	651443	100
SMM12x30	12	30	651143	100

Washer

PP

PP...

CODE	fits the screws	Catalogue No.	Qty
PP6	M6	650744	100
PP8	M8	650444	100
PP10	M10	650544	100
PP12	M12	650644	100

Washer

PW

PW...

CODE	fits the screws	Catalogue No.	Qty
PW6	M6	650844	100
PW8	M8	650944	100
PW10	M10	651044	100

Nut

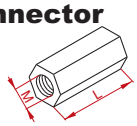
NS

NS...

CODE	Dimension M mm	Catalogue No.	Qty
NSM6	6	650044	100
NSM8	8	650144	100
NSM10	10	650244	100
NSM12	12	650344	100

Rod Connector

NL



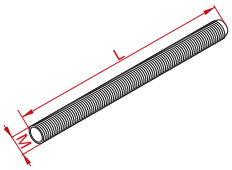
APPLICATION
Connecting threaded rods of the same diameter

NL...

CODE	Dimension M mm	Length L mm	Catalogue No.	Qty
NLM6	6	18	650103	100
NLM8	8	24	650203	100
NLM10	10	30	650303	100
NLM12	12	36	650403	100

Threaded Rod

PG



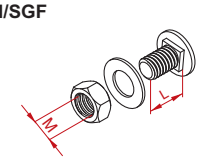
APPLICATION
Suspending cable routes.

PG...

CODE	Dimension M mm	Length L mm	kg 1 pc.	Catalogue No.	Qty
PGM6/1	6	1000	0.16	650301	100
PGM6/2	6	2000	0.23	650401	50
PGM6/3	6	3000	0.48	651401	50
PGM8/01	8	100	0.03	650501	100
PGM8/02	8	200	0.06	650601	100
PGM8/03	8	300	0.09	650701	50
PGM8/1	8	1000	0.32	650801	50
PGM8/2	8	2000	0.64	650901	25
PGM8/3	8	3000	0.96	651501	25
PGM10/1	10	1000	0.49	651001	25
PGM10/2	10	2000	1.00	651101	25
PGM10/3	10	3000	1.50	651601	25
PGM12/1	12	1000	0.72	651201	25
PGM12/2	12	2000	1.44	651301	20
PGM12/3	12	3000	2.16	651701	10

Screw Set

SGN/SGF



SGN...

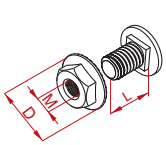
CODE	Dimension M mm	Length L mm	Catalogue No.	Set
SGNM6x12	6	12	650442	100
SGNM8x14	8	14	650142	100
SGNM8x20	8	20	650342	100
SGNM10x20	10	20	650642	100
SGNM12x30	12	30	650242	100

SGF...

CODE	Dimension M mm	Length L mm	Catalogue No.	Set
SGFM6x12	6	12	650166	100
SGFM8x14	8	14	650266	100

Screw Set

SGK/SGKF



APPLICATION
Suspending cable runs.

SGK...

CODE	Dimension M mm	Length L mm	Dimension D mm	Catalogue No.	Set
SGKM6x10	6	10	13	651041	100
SGKM6x12	6	12	13	651141	100
SGKM6x14	6	14	13	655041	100
SGKM8x14	8	14	17	651241	100
SGKM8x16	8	16	17	654041	100
SGKM10x20	10	20	20.5	651341	100

SGKF...

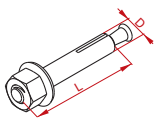
CODE	Dimension M mm	Length L mm	Dimension D mm	Catalogue No.	Set
SGKFM6x12	6	12	13	651441	100
SGKFM8x14	8	14	17	651541	100
SGKFM8x16	8	16	17	651542	100
SGKFM10x20	10	20	20.5	651641	100

MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
E - stainless steel, grade 1.4301 (A2) or 1.4401 (A4)

MATERIAL SGF/SGKF
Steel galvanized using zinc flake coating method PN-EN ISO 10683:2014-09

Anchor Bolt

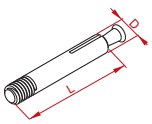
SRO



SRO

CODE	Dimension D mm	Length L mm	Catalogue No.	Qty
SROM6x30	6	30	803900	200

SRBO



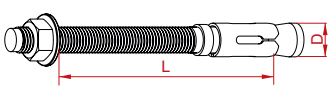
SRBO

CODE	Dimension D mm	Length L mm	Catalogue No.	Qty
SRBOM6x30	6	30	803912	200

MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)

Anchor Bolt

PSRO



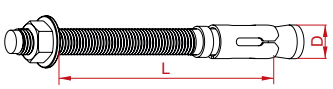
PSRO...

	Dimension D mm	Length L mm	Catalogue No.	Qty
PSROM6x45	6	45	651351	100
PSROM6x50	6	50	651352	100
PSROM8x75	8	75	804000	100
PSROM10x80	10	80	804100	100
PSROM12x100	12	100	804200	50

MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
F - steel, hot-dip galvanised (HDG)
E - stainless steel, grade 1.4301 (A2) or 1.4401 (A4)

APPLICATION
Installing assemblies, suspending cable routes form overhead concrete base

PSRZ



PSRZ...

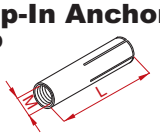
	Dimension D mm	Length L mm	Catalogue No.	Qty
PSRZM8x75	8	75	807000	100
PSRZM10x80	10	85	807100	100
PSRZM12x100	12	110	807200	100

APPLICATION
Installing assemblies, suspending cable routes form overhead concrete base (uncracked, two-way slab, cracked).

MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
E - stainless steel grade 1.4401 (A4)

Drop-In Anchor

TRSO

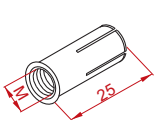


TRSO...

CODE	Dimension D mm	Length L mm	Catalogue No.	Qty
TRSOM6	6	30	804600	100
TRSOM8	8	30	804700	100
TRSOM10	10	40	804800	100
TRSOM12	12	50	804900	100

MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)

TRSK



TRSK...

CODE	Dimension M mm	Catalogue No.	Qty
TRSKM6	6	804602	100
TRSKM8	8	804702	100
TRSKM10	10	804802	50
TRSKM12	12	804902	50

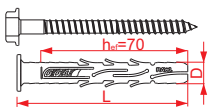
Direct suspension of cable run without the use of Rod Hanger USV/USOV.

MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
E - stainless steel, grade 1.4301 (A2) or 1.4401 (A4)

APPLICATION
Suspending cable routes.

Frame Fixing

KRN



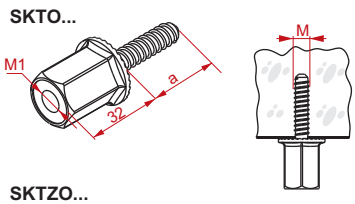
APPLICATION
Fixing assemblies and suspending cable trays to full and empty basis.

KRN...

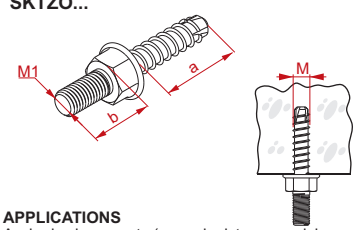
CODE	Dimension D mm	Length L mm	Catalogue No.	Qty
KRN10x120	10	120	651012	25
KRN10x160	10	160	651013	25

Quick Lock Anchoring Screw

SKTO...



SKTZO...



APPLICATIONS
Anchoring in concrete (uncracked, two-way slab, cracked). Allows for mounting a M8 or M10 Threaded Rod (SKTO…).

SKTO...

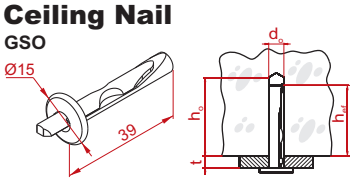
CODE	Dimension M mm	Dimension M1 mm	Dimension a mm	Catalogue No.	Qty
SKTOM6x35	6	8/10	35	650971	100
SKTOM6x55	6	8/10	55	650972	100

SKTZO...

CODE	Dimension M mm	Dimension M1 mm	Dimension a mm	Dimension b mm	Catalogue No.	Qty
SKTZOM8x35	8	8	35	18	650973	100
SKTZOM8x55	8	8	55	18	650974	100
SKTZOM10x35	10	10	35	21	650975	100
SKTZOM10x55	10	10	55	21	650974	100

Ceiling Nail

GSO

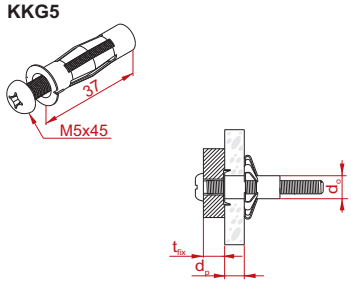


GSO

CODE	Drill Bit d_o mm	Screw Head Dia. h_o mm	Min Anchorage Depth h_{ef} mm	Usable Length t mm	Catalogue No.	Qty
GSO6x40	6	45	32	4.5	803929	100

Anchor Bolt

KKG5



APPLICATIONS
Construction mounting, Installation of the cable route to the drywall

KKG5

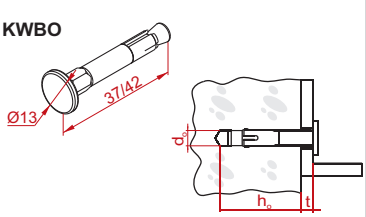
CODE	Length L mm	Drill Bit Ø mm	min. depth of open. t mm	max. depth of plate d_p mm	max. thick. of fix.el. t_{fix} mm	Catalogue No.	Qty
KKG5x37	37	10	47	6-15	19	803940	50
KKG5x65	65	10	75	20-34	24	803943	50

ATTENTION!
- Assembly only to the drywalls

Nail Anchor

KWBO

KWBO



APPLICATIONS
Fixing assemblies, suspending cable runs from overhead concrete base

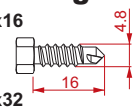
KWBO...

CODE	Drill Bit d_o mm	Screw Head Dia. mm	Min Anchorage Depth h_{ef} mm	Min Drill Depth h_o mm	Usable Length t mm	Catalogue No.	Qty
KWBO6x35	6	13	25	40	5	803920	100
KWBO6x40	6	13	30	45	5	803921	100

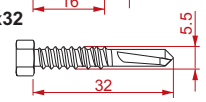
MATERIAL
Electro-galvanised steel (EGS).

Self-drilling Screw

SMD4.8x16



SMD5.5x32



APPLICATION
Mounting UDF... and UEF... cable clamps to steel surfaces (sandwich panels, trapezoidal steel sheets)

SMD4.8x16

CODE	Thickness Elements of Assembly mm	Thickness of the steel substrate mm	Catalogue No.	Qty
SMD4.8x16	1-2	0.5-4	804043	100

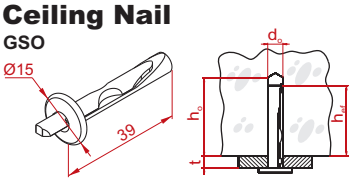
SMD5.5x32

CODE	Thickness Elements of Assembly mm	Thickness of the steel substrate mm	Catalogue No.	Qty
SMD5.5x32	1-2	4-10	804044	100

N

Ceiling Nail

GSO



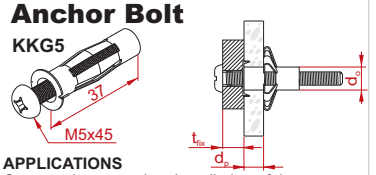
GSO

CODE	Drill Bit d_o mm	Screw Head Dia. h_o mm	Min Anchorage Depth h_{ef} mm	Usable Length t mm	Catalogue No.	Qty
GSO6x40	6	45	32	4.5	803929	100

N

Anchor Bolt

KKG5



APPLICATIONS
Construction mounting, Installation of the cable route to the drywall

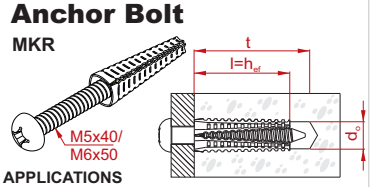
KKG5

CODE	Length L mm	Drill Bit d_o mm	Usable Length t mm	Max thickness of the drywall d_p mm	Max thickness Elements of assembly t_{fix} mm	Catalogue No.	Qty
KKG5x37	37	10	47	6-15	19	803940	100
KKG5x65	65	10	75	20-34	24	803943	100

ATTENTION!
- Assembly only to the drywalls

Anchor Bolt

MKR



APPLICATIONS
In Steelling, assembling, handing cable route to Autoclaved aerated concrete, Silicate brics, concrete and Porotherm style clay block bricks

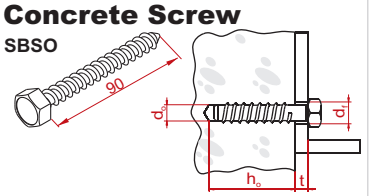
MKR...

CODE	Drill Bit d_o mm	Min Drill Depth h_{ef} mm	Usable Length t mm	Catalogue No.	Qty
MKR6x32	8	32	38	803941	100
MKR8x38	11	38	46	803942	100

ATTENTION!
- for assembly to Porotherm style clay block bricks do not use hammer drill
- to assembly in aerated concrete anchors can be drived in without previously drilled holes.

Concrete Screw

SBSO

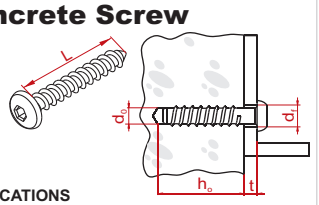


SBSO...

CODE	Drill Bit d_o mm	Hole Dia. in Substrate d_f mm	Min Drill Depth h_o mm	Usable Length t mm	Catalogue No.	Qty
SBSOM8x90	8	12	100	5	803916	100
SBSOM10x90	10	14	100	5	803917	50

Concrete Screw

SBO



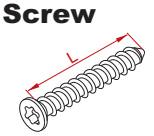
APPLICATIONS
Installing assemblies, suspending cable from overhead concrete base

SBO...

CODE	Drill Bit d_o mm	Hole Dia. in Substrate d_f mm	Min Drill Depth h_o mm	Usable Length t mm	Catalogue No.	Qty
SBOM5x60	5	7	65	5	803914	100
SBOM6x60	6	8	65	5	803915	100

Concrete Screw

WDB



APPLICATIONS
Fixing to concrete Cable Clips UDF..., UEF... and Cable Hangers OZ...

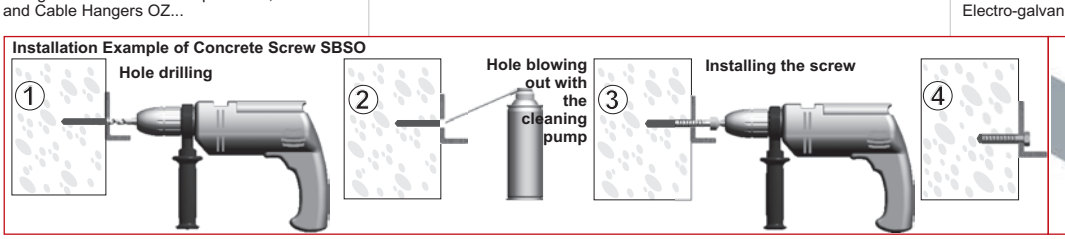
WDB7.5x52

CODE	Length L mm	Drill Bit d_o mm	Hole Dia. in Substrate d_f mm	Min Drill Depth h_o mm	Usable Length t_{fix} mm	Catalogue No.	Qty
WDB7.5x52	52	6	7.5	65	22	800752	100

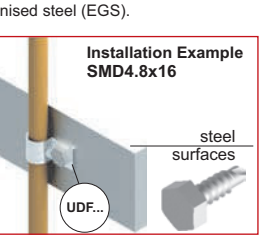
N

MATERIAL
Electro-galvanised steel (EGS).

Installation Example of Concrete Screw SBSO

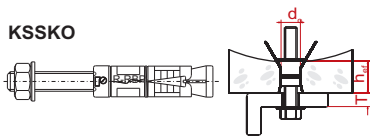


Installation Example SMD4.8x16



Sectional Ceiling Anchor

KSSKO



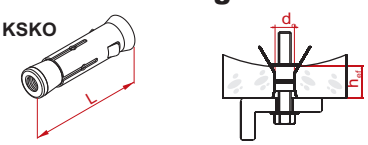
KSSKO...

CODE	Drill Bit - Ø d_o mm	Min Drill Depth h_{ef} mm	thickness mounting elements T mm	Catalogue No.	Qty
KSSKOM6/10	12	45	10	804111	100
KSSKOM8/10	14	50	10	804112	100
KSSKOM10/15	16	60	15	804113	100
KSSKOM10/60	20	80	60	804114	100
KSSKOM12/15	20	80	15	804115	100
KSSKOM12/75	20	80	75	804116	100

MATERIAL
Electro-galvanised steel (EGS).

Hollow - Ceiling Anchor

KSKO



APPLICATIONS
Fixing assemblies, suspending cable runs from overhead concrete and precast hollow core flooring slab bases.

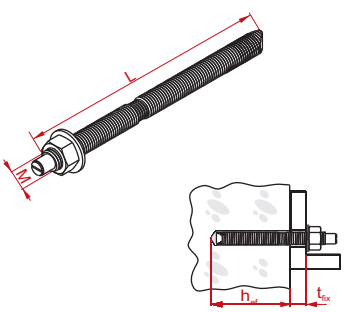
KSKO...

CODE	Drill Bit d_o mm	Min Drill Depth h_{ef} mm	Anchor Length L mm	Catalogue No.	Qty
KSKOM6	10	30	37	803923	100
KSKOM8	12	35	43	803924	100
KSKOM10	16	40	52	803925	100

MATERIAL
Electro-galvanised steel (EGS).
Available finishes:
E - stainless steel (SS), grade 1.4301 (AISI304)

Threaded Rod

PGS...



PGS...

CODE	Thread M mm	Length L mm	Max. Usable Length t_{fix} mm	Effective Anchorage Depth h_{ef} mm	Max. Breakaut Force [kN]	kg 1 pc	Catalogue No.	Qty
PGSM8x110	8	110	13	80	8.8	0.04	653301	10
PGSM10x130	10	130	20	90	12.3	0.08	653401	10
PGSM12x160	12	160	25	110	19.7	0.14	653501	10

NOTE!
To be used with ZIO300 mortars in solid concrete

MATERIAL
Zinc-coated steel

Glass Ampule
(comes as a set with PGS...)

AS...

AS...

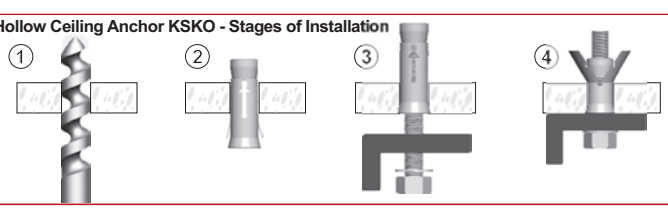
CODE	Thread M mm	Drill d_o mm	Usable lenght t mm	Effective Anchorage depth h_{ef} mm	Catalogue No.	Qty
AS8	8	10	80	80	653601	10
AS10	10	12	90	90	653701	10
AS12	12	14	110	110	653801	10

APPLICATION
Mounting od steel structures, rails, consoles, ladders, cable routes, steps, gates, facades; assembly with spacers and assembly of wooden structures

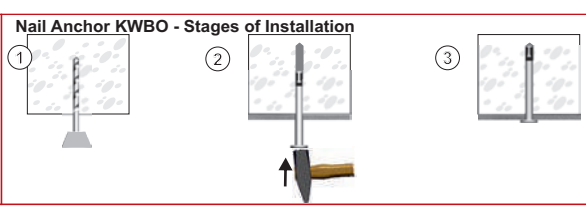
ADVANTAGES: High resistance and low resin shrinkage allow for applying highest loads to solid concrete. This method of anchoring is free of expansion stress.

MATERIAL
Vinylester resin

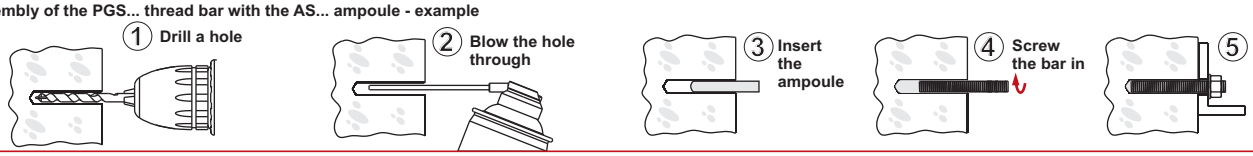
Hollow Ceiling Anchor KSKO - Stages of Installation



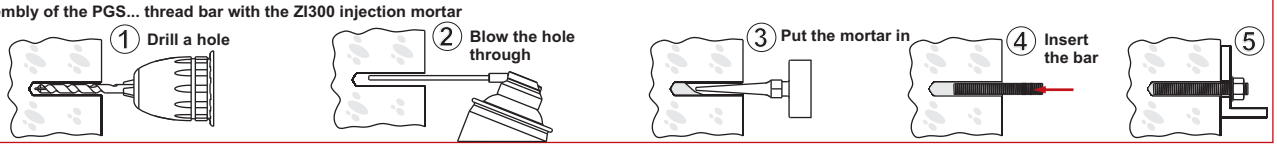
Nail Anchor KWBO - Stages of Installation



Assembly of the PGS... thread bar with the AS... ampoule - example



Assembly of the PGS... thread bar with the ZI300 injection mortar



Injection Mortar

ZIO300

ELEMENTS
A set includes:
1 container 300 ml + 2 mixers

APPLICATIONS
Universal mortar for all building materials with long open times

ZIO300

CODE	Capacity ml	kg 1 pc.	Catalogue No.	Set
ZIO300	300	0.7	**653902**	1

NOTE! Styrene free injection mortar ZIO300 to be used with standard silicone pistols
ADVANTAGES: High hybrid resistance of heavy-load mortar for all types of construction materials. A universal assembly system for any site! Designed for anchoring of reinforcement bars. First injection system with approval for concrete, anchoring of reinforcement bars, solid and hollow blocks, and aerated concrete.

Drying Time

Temp. conteiner	Gelation time	Floor Temp	Drying Time
		0°C- +5°C	6 h
+ 5°C- +10°C	20 min.	+ 5°C- +10°C	3 h
+10°C- +20°C	10 min.	+10°C- +20°C	2 h
+20°C- +30°C	6 min.	+20°C- +30°C	60 min.
+30°C- +40°C	4 min.	+30°C- +40°C	30 min.

MATERIAL
Winylester hybrid mortar

N

Injections Anchor Sleeve

TST

APPLICATIONS
The grating structure of the push-through anchor sleeve is adapted for the injection mortars FIS VS LOW SPEED, ensures sparing mortar use with the best interlock. Use to: timber constructions, canopies, gates, awnings, car ports

TST...

CODE	Hole Dia. Ø mm	Min. Depth of Hole mm	Min. Anchorage Depth mm	Fits to Screw	Catalogue No.	Qty
TST12X50	12	60	50	M6-M8	**653903**	50
TST12X85	12	95	85	M6-M8	**653904**	50
TST16X85	16	95	85	M8-M12	**653905**	50

Advantages:
- The direct insteellation through the fixture reduces preliminary work wherever there are several fixing points for each fixture, and guarantees a significantly simpler insteellation process.
- The design of the push-through anchor sleeve FIS H K allows for a range of usable lengths with just one product, thus providing maximum flexibility and cost-effectiveness.
- The movable edge, in combination with the scale, makes it easier to adapt the anchor sleeve to the desired usable length.
- Ensures sparing mortar use with the best interlock.

N

Metal Injections Anchor Sleeve

TSM...1000

APPLICATIONS
The grating structure of the push-through anchor sleeve is adapted for the injection mortars FIS VS LOW SPEED, ensures sparing mortar use with the best interlock. Use to: awnings, canopies, gates, handrails, consoles, pipelines, sanitary equipment, gratings, satellite antennas, sun protection

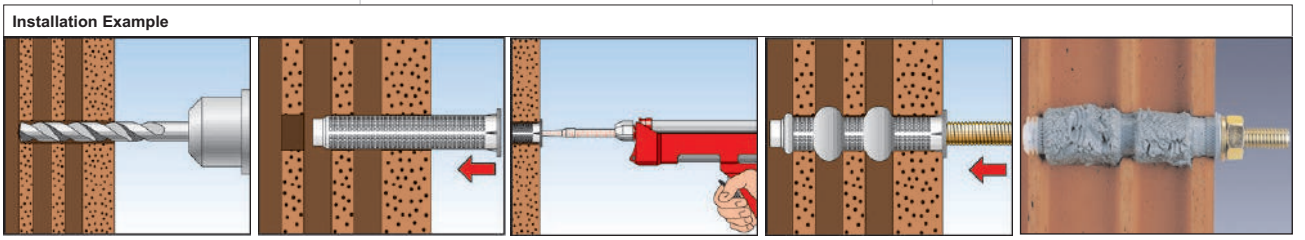
TSM...1000

CODE	Hole Dia. Ø mm	Length L mm	fits the screws	Catalogue No.	Qty
TSM12X1000	12	1000	M6-M8	**653906**	10
TSM16X1000	16	1000	M10-M12	**653907**	10
TSM22X1000	22	1000	M12-M16	**653908**	10

Advantages:
The metal anchor sleeve can be cut to the required length and thus allows for a range of usable lengths with just one produce, providing flexibility and cost-effectiveness.

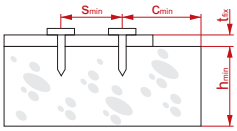
N

Installation Example



Cartridge Nails for Concrete

GWT



GWT...

CODE	Dia. d mm	Length L mm	Catalogue No.	quantity in the cartrige	quantity in the pack
GWT3.7x22	3.7	22	654001	10	1000
GWT3.7x25	3.7	25	654101	10	1000
GWT3.7x30	3.7	30	654201	10	1000
GWT3.7x40	3.7	40	654301	10	1000

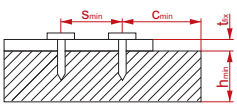
CODE	Floor								Fix element		
	Min Thickness			Total anchorage depth			Min. spacing of nails	Min. distance from the corner	Thickness		
	Concrete C16/20 h_{min} [mm]	Concrete C20/25 h_{min} [mm]	Concrete C25/30 h_{min} [mm]	Concrete C16/20 h_{nom} [mm]	Concrete C20/25 h_{nom} [mm]	Concrete C25/30 h_{nom} [mm]	s_{min} [mm]	c_{min} [mm]	Concrete C16/20 t_{fix} [mm]	Concrete C20/25 t_{fix} [mm]	Concrete C25/30 t_{fix} [mm]
GWT3.7x22	80	80	80	30	25	20	50	80	-	-	-
GWT3.7x25	80	80	80	30	25	20	50	80	-	-	5
GWT3.7x30	80	80	80	30	25	20	50	80	-	5	10
GWT3.7x40	80	80	80	30	25	20	50	80	10	15	20

N

E-90

Cartridge Nails for Steel

GWTS3.7x15



GWTS...

CODE	Dia. d mm	Length L mm	Catalogue No.	quantity in the cartrige	quantity in the pack
GWTS3.7x15	3.7	15	655001	10	1000

CODE	Floor								Fix element	
	Min Thickness		Total anchorage depth		Min. spacing of nails steel 6	Min. spacing of nails steel 8	Min. distance from edge steel 6	Min. distance from edge steel 8	Thickness	
	steel 6 h_{min} [mm]	steel 8 h_{min} [mm]	steel 6 h_{nom} [mm]	steel 8 h_{nom} [mm]	s_{min} [mm]	s_{min} [mm]	c_{min} [mm]	c_{min} [mm]	steel 6 t_{fix} [mm]	steel 8 t_{fix} [mm]
GWTS3.7x15	4	4	4	4	30	30	30	30	5	3

NOTE! GWT3.7x20 nails are designed for the following new types of full clamps: UDFB..., UEFB... If you order 1.100 nails, you get gas for the nail gun free of charge!
NOTE! If you order over 25.000 nails, you get a nail gun free of charge!

APPLICATIONS
Mounting of full clamps. Compatible with a gas nail gun

Gas Nail Gun, Cordless

OGB

OGB

CODE	kg 1 pc.	Catalogue No.	Qty
OGB	3.5	654401	1

SPECIFICATIONS

Range of high of the nails mm	Type of the nails	Floors material	Capacity of the Cartrige	Battery charging time	Maximum battery performance	Noise level
15-40	Nails smooth with a round head	steel/ Concrete	40	2 godziny	6000	92dB

Bearing Capacity

	Floor		
	Concrete C16/20 h_{ef} [mm]	Concrete C20/25 h_{ef} [mm]	Concrete C25/30 h_{ef} [mm]
Effective anchorage depth	30.00	25.00	20.00
STRETCHING	$N_{Rk,p}$ [kN]	$N_{Rk,p}$ [kN]	$N_{Rk,p}$ [kN]
Recomended bearing capacity	0.60	0.60	0.60
Cutting	$V_{Rk,p}$ [kN]	$V_{Rk,p}$ [kN]	$V_{Rk,p}$ [kN]
Recomended bearing capacity	0.60	0.60	0.60

NOTE! If you order over 15.000 nails, you get a special price for the nail gun!

ADVANTAGES: Easy adjustment of anchoring depth.
A big magazine can carry up to 30 nails with length of up to 40 mm.
State-of-the-art, high-absorption and resistant back filter.
Magnetic ring ensures simple application of clamps and clips.

N

E-90

HIGHLIGHTS
Gas nail gun for concrete and steel
- gas capacity: min 1.100 shots,
- battery life: max 6.000 shots

APPLICATIONS
Designed for fixing full clamps with nails..

Nail Gun Gas

GDO

GDO

CODE	Catalogue No.	Qty
GDO	650542	1

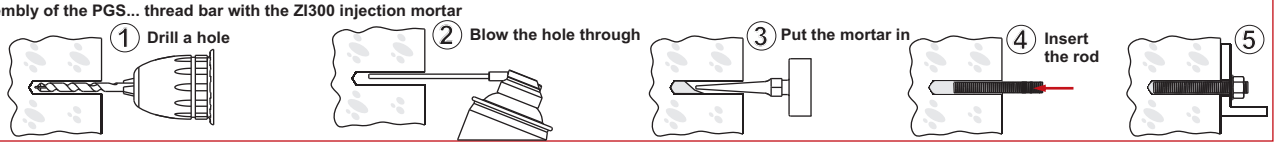
SPECIFICATIONS

Fuel Type	Lubrication	Capacity	Weight	Range of temperatures	Efficiency
Propan/ Butan					min. 1000 shots

N

APPLICATIONS
Gas for nail guns and star grip nailers

Assembly of the PGS... thread bar with the ZI300 injection mortar



Intumescent Fire Protection Coating

PYRO - SAFE KS1

PYRO - SAFE KS1

APPLICATION:
Protecting cable routes with fire-retardant coatings prevents:
- ignition of cables from an external source of fire
- ignition of cables in case of short-circuit or overheating
- migration of flame along cable combustible jacketing
- propagation of fire by dripping, burning clodding
- alternative to other passive fire protection solutions

CODE	Catalogue No.	kg.
PYRO - SAFE KS1	800217	12.5

NOTE:
- mix thoroughly (stirring the emulsion for 5 minutes minimum using drill and paddle - recommended) before the application; emulsions can be dispersed adding to 3% water
- spread with a brush, paint roller, or spray paint. It is suggested to spray paint with an Airless gun, for which strongly advised are: FLAMMOPLAST KS1- working pressure 210 bar, nozzle: 0.48-0.53mm, no filter.

Only properly prepared coating will secure properly cables against fire

ECONOMY:

Fire-Resistance class	Dry Film Thickness	Material Consumption
EI 60	>700µm (0.7mm)	1.4 kg/m^2
EI 120	>1000µm (1.0mm)	2.0 kg/m^2

DRYING TIME:
At ambient temperature 23°C and relative humidity 65%: to the touch after approx. 6 hours, cured after 4 days.

Endothermic, Weather Resistant Fire Protection Coating

FLAMMOTECT-A

FLAMMOTECT-A

APPLICATION:
- FLAMMOTECT-A is intended for protecting electrical cables in inside and outside areas, in the rooms exposed to moisture and atmospheric influences (immersing the coating in sea water for a few weeks did not change its characteristics).

CODE	Catalogue No.	kg.
FLAMMOTECT-A	800307	12.5

NOTE:
- mix thoroughly (stirring the emulsion for 5 minutes minimum using drill and paddle - recommended) before the application; emulsions can be dispersed adding to 3% water
- spread with a brush, paint roller, or spray paint. It is suggested to spray paint with an Airless gun, for which strongly advised are: FLAMMOTECT-A - working pressure 210 bar, nozzle: 0.79-1.0mm, no filter.

Only properly prepared coating will secure properly cables against fire

ECONOMY:

Dry Film Thickness	Wet Film Thickness	Material Consumption
500 µm	800÷900 µm (Single-stage spraying)	1.0 kg/m^2

DRYING TIME:
At ambient temperature 23°C and relative humidity 65%: to the touch after approx. 6 hours, cured after 4 days.

Intumescent Fire-Protection Filler

PYRO - SAFE KS3

PYRO - SAFE KS3

APPLICATION:
PYRO-SAFE FLAMMOPLAST KS3 is used for sealing cable passages
in fire-resistance classes EI60 or EI120.

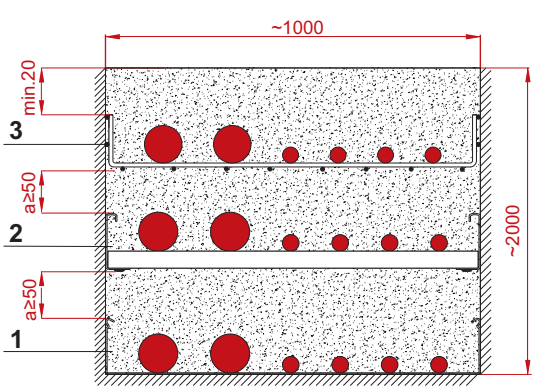
CODE	Catalogue No.	kg.
PYRO - SAFE KS3	800507	12.5

Sealing is made through filling by the ready to use mortar.

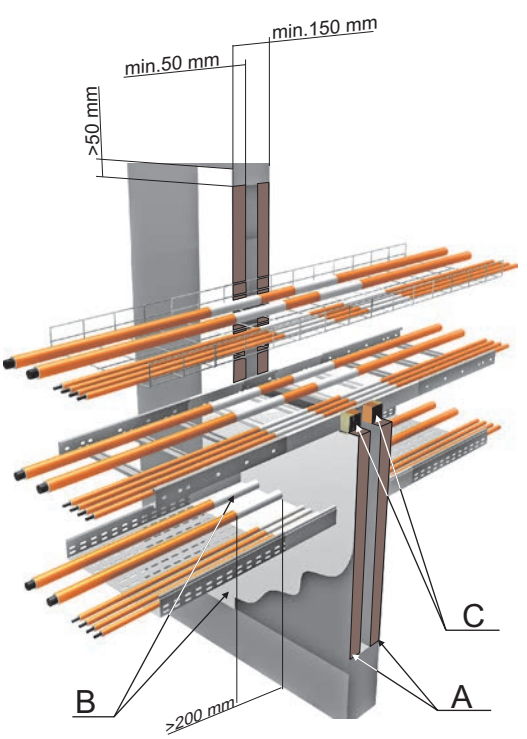
DRYING TIME:
At ambient temperature 23°C and relative humidity 65%: To the touch after approx. 8 hours. Cured after 10 days.

Cable Tray Fire Barrier – Example of Assembly

APPLICATION:
It ensures protection in fire-resistance classes EI 60 or EI120. The a/m. cable passage can be penetrated simultaneously by:
- cables of all type and dimension together with their supporting structures such as wire mesh cable trays, cable ladders or trays manufactured from aluminum, steel, or plastic



The width of the fire barier can be equal or bigger than the width of the trays and ladders.
It should also be distanced from above by min. 20 mm



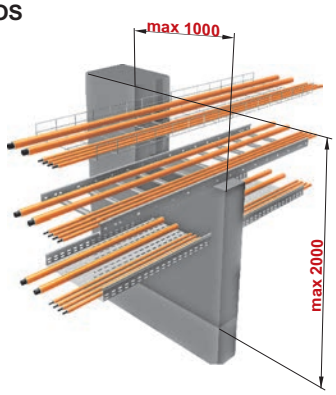
Installation arrangement in the wall passage EI 60 and EI120 from brick, plain and aerated concrete
1. Supporting structure for cables: cable tray.
2. Supporting structure for cables: cable ladder.
3. Supporting structure for cables: wire mesh cable tray.

A. Plate of mineral wool 50mm thick min and 150g/dm3 dense.
B. Paint FLAMMOPLAST KS1 (cables and their supporting structures should be painted in the distance from wall 200mm min and the wall itself should be painted on the surface larger than the opening size of 50mm min to the side).
C. Loose mineral wool + intumescent filler PYRO-SAFE KS3 for cavity filling.

CE

Fire-Protection Mortar PROMASTOP TYP-S

ZOS



Product description:
The mix of concrete, mortar and light additives.
APPLICATION:
PROMASTOP Type-S Fire-Stop Mortar allows for making cable passages in the fire resistance classes from EI 30 to EI 120. According to the specification from the manufacturer universal passages are allowable with the mix of electric conduits, plastic tubes (ø 200mm max.), steel and cast iron tubes (ø 168.3mm max.).

PROMASTOP TYP-S

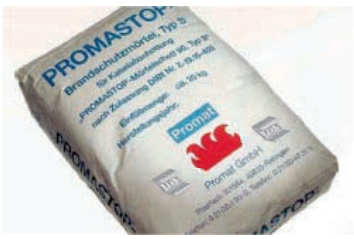
CODE	Catalogue No.	kg
ZOS	800407	20

Technical Approval: AT-15-5730/2007
Certificate of Conformity: ITB 0949/W
Declaration of Conformity: no. DZ-22

Instructions for use:
- arrange the cable route through passages sealed with Fire-Stop Mortar ZOS
- maximum cable load allowed in a passage will not exceed 60%
- the wall and ceiling thickness to construct the passage will not fall below:

-120mm for concrete walls
-150mm for solid brick and cell concrete walls
-180mm for the ceiling

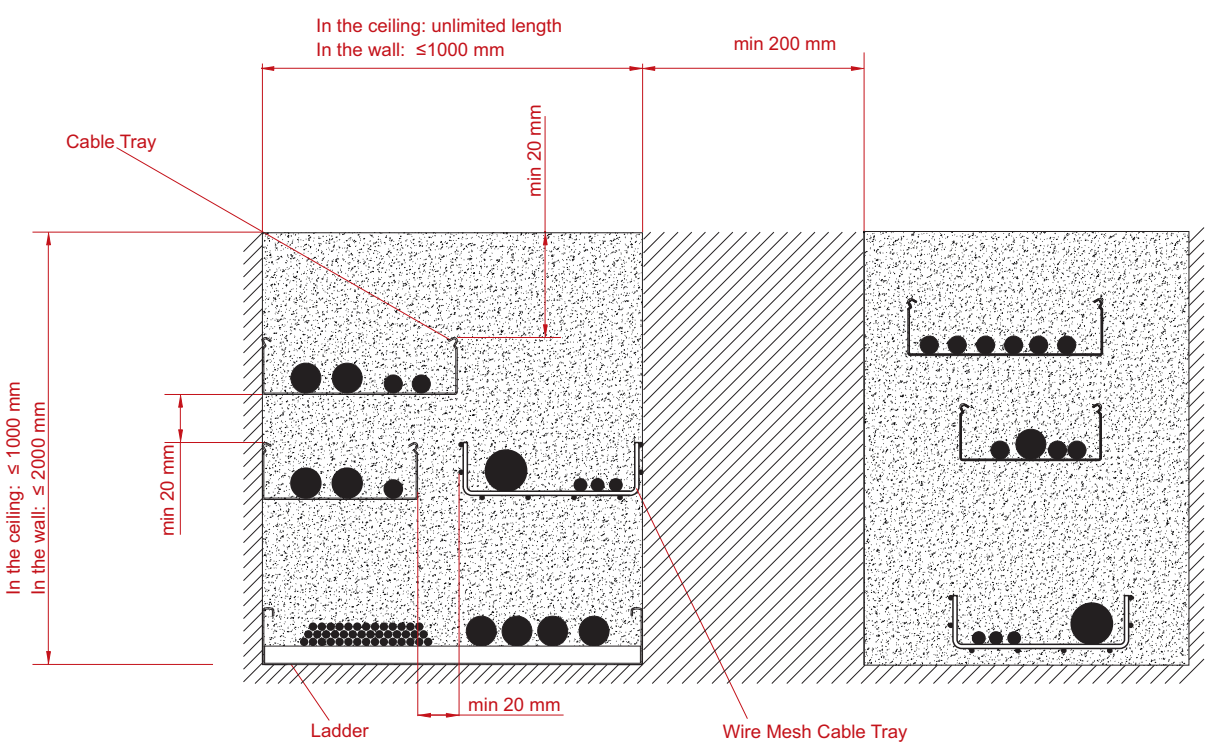
- the first of the cable route supports will be installed at a distance of not less than 100mm from the barrier
- maximum passage dimensions in the ceiling will not exceed 1000mm in width with unlimited passage length
- maximum passage dimensions in the wall - as shown in the drawing below



Cable fire dampers seal passages of cable routes through barriers, maintaining their fire-resistance class

Efficiency:
From 1 sack bag (20kg) of dry mortar and about 7.5kg of water you will get after appropriate preparation about 22 liters of ready mortar

Additional information:
Consumption: 1 sack bag (20kg)=~ 22 litres mortar (0.022m^3)

Warehousing: Store in a dry place on wooden pallets
Shelf use: approx. 18 months

Cable Tray Fire Barrier – Example of Assembly