

# TECHNICAL CATALOGUE

*Total Cable Management Solutions*



## Conversion Table Of Dimension



1 inch = 25.4 mm      1 mm = 0.039 inch

### Standard Sheet Metal Gauges

Gauge	Steel	Galvanized Steel	Stainless Steel	Zinc
	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)
3	0.2391 (6.07)	-	-	0.006 (0.15)
4	0.2242 (5.69)	-	-	0.008 (0.20)
5	0.2092 (5.31)	-	-	0.010 (0.25)
6	0.1943 (4.94)	-	-	0.012 (0.30)
7	0.1793 (4.55)	-	0.1875 (4.76)	0.014 (0.36)
8	0.1644 (4.18)	0.1681 (4.27)	0.1719 (4.37)	0.016 (0.41)
9	0.1495 (3.80)	0.1532 (3.89)	0.1563 (3.97)	0.018 (0.46)
10	0.1345 (3.42)	0.1382 (3.51)	0.1406 (3.57)	0.020 (0.51)
11	0.1196 (3.04)	0.1233 (3.13)	0.1250 (3.18)	0.024 (0.61)
12	0.1046 (2.66)	0.1084 (2.75)	0.1094 (2.78)	0.028 (0.71)
13	0.0897 (2.28)	0.0934 (2.37)	0.094 (2.4)	0.032 (0.81)
14	0.0747 (1.90)	0.0785 (1.99)	0.0781 (1.98)	0.036 (0.91)
15	0.0673 (1.71)	0.0710 (1.80)	0.07 (1.8)	0.040 (1.0)
16	0.0598 (1.52)	0.0635 (1.61)	0.0625 (1.59)	0.045 (1.1)
17	0.0538 (1.37)	0.0575 (1.46)	0.056 (1.4)	0.050 (1.3)
18	0.0478 (1.21)	0.0516 (1.31)	0.0500 (1.27)	0.055 (1.4)
19	0.0418 (1.06)	0.0456 (1.16)	0.044 (1.1)	0.060 (1.5)
20	0.0359 (0.91)	0.0396 (1.01)	0.0375 (0.95)	0.070 (1.8)
21	0.0329 (0.84)	0.0366 (0.93)	0.034 (0.86)	0.080 (2.0)
22	0.0299 (0.76)	0.0336 (0.85)	0.031 (0.79)	0.090 (2.3)
23	0.0269 (0.68)	0.0306 (0.78)	0.028 (0.71)	0.100 (2.5)
24	0.0239 (0.61)	0.0276 (0.70)	0.025 (0.64)	0.125 (3.2)
25	0.0209 (0.53)	0.0247 (0.63)	0.022 (0.56)	-
26	0.0179 (0.45)	0.0217 (0.55)	0.019 (0.48)	-
27	0.0164 (0.42)	0.0202 (0.51)	0.017 (0.43)	-
28	0.0149 (0.38)	0.0187 (0.47)	0.016 (0.41)	-
29	0.0135 (0.34)	0.0172 (0.44)	0.014 (0.36)	-
30	0.0120 (0.30)	0.0157 (0.40)	0.013 (0.33)	-
31	0.0105 (0.27)	0.0142 (0.36)	0.011 (0.28)	-
32	0.0097 (0.25)	-	-	-
33	0.0090 (0.23)	-	-	-
34	0.0082 (0.21)	-	-	-
35	0.0075 (0.19)	-	-	-
36	0.0067 (0.17)	-	-	-
37	0.0064 (0.16)	-	-	-
38	0.0060 (0.15)	-	-	-

### Sheet Thickness Gauge Conversion Chart

Gauge sizes are numbers that indicate the thickness of a piece of sheet metal, with a higher number referring to a thinner sheet. The equivalent thicknesses differ for each gauge size standard, which were developed based on the weight of the sheet for a given material. The Manufacturers' Standard Gauge provides the thicknesses for standard steel, galvanized steel and stainless steel. The chart below can be used to determine the equivalent sheet thickness, in millimeters or inches, for a gauge number from the selected gauge size standard.





## FACTORY



## WAREHOUSE



## QUALITY





## SHIPPING



## PRODUCTION



## GALVANIZING







[www.kiracmetal.com](http://www.kiracmetal.com)

# Kirac Metal Co. Ltd

## *Cable Tray Manufacturer*

Kirac Metal Ltd. is a privately owned Turkish Company. Established in 2002 as a small scale-manufacturing unit it has turned into a large professionally managed company, taking place as a respectable and global manufacturer in Cable Management Market, offering a complete range of cable trays, cable ladders and support system. The company has its headquarters in Turkey, production units in Eskisehir and in Bursa, office in Istanbul, Izmir, Ankara and production unit in Doha (Qatar).

Kirac Metal specializes in manufacture, development and production of Cable Management Systems, for both commercial and industrial market. The extensive range includes: Cable Trays, Cable Ladders, Trunking, Channel System, Support System and other metal fittings. Sustained growth has seen Kirac Metal Ltd become the leading manufacturer of cable management solutions. The Strength of the company will continue to be the stamp of class achieved in products manufactured and the processes practiced in the coming years. Steady addition to the product range will be the goal to multiply quantities in manufacture and trading.

Our Cable Tray System conforms to BS EN 61537:2007 (Cable Tray Systems & Cable Ladder Systems for Cable Management) and IEC 61537:2007 (Cable Tray Systems and Cable Ladder Systems for Electrical Installations). All our products can be produced either as a standard pregalvanized steel according to BS EN 10142, BS EN 10143, BS EN 10327 (excluding fasteners: bolts, nuts, washers etc). or can be coated with hot dip galvanizing method in accordance with BS EN 1461 norms. The following finishes are available SS 304, SS 316, SS 316L grade stainless steel in accordance with BS EN 10088, epoxy powder coated, corten A, aluzing and ZAM. The bolts nuts, washers are supplied as zinc electroplated in accordance with DIN 50961 (TS 5479).

For further information please visit our website  
[www.kiracmetal.com](http://www.kiracmetal.com)

Kirac Metal Company



## OUR MISSION

To establish Kirac Metal as leader in our business market, maintaining our growth objective to produce high quality products.

The following principles will help us achieve our growth objective:

Commitment to meet Customers' satisfaction  
Maintaining our competitiveness at all times  
Setting a high standard in

- Engineering
- Materials Procurement
- Fabrication and Production
- Meeting Customers' schedule

Providing a friendly business environment

## OUR VISION

Providing value and solutions in the local and international industries, utilizing advanced technologies, keeping up-to-date with advanced technologies, directing change, giving customer satisfaction and to become a global company as a sectorial leader that is the first choice of customers.

## OUR QUALITY POLICY

Kirac Metal is committed to manufacturing only the Highest Quality Cable Tray Systems that meets or exceeds our Customers expectations and requirements. Our goal is to achieve 100% customer satisfaction, by delivering the best products and services, on-time and free of defect. We will achieve this individually and corporately through tested and proven processes and controls in our Quality System, with a constant focus and effort on continuous improvement.



# References

## *Our references are the Satisfaction and Loyalty of our Customers*

We offer a wide range of cable trays, which are widely used as a support for power and control cables in both indoor and outdoor applications. For special projects, we manufacture as per our customers specifications. Our production capacity has allowed us to participate in large international projects.

**Project:** Barzan Onshore Project

Location: Doha, Qatar

Year: 2013

Scope of Products: HDG + Marine Painted Cable Ladders & Cable Trays

**Project:** New South Glasgow Hospital Project

Location: Glasgow, Scotland

Year: 2013

Scope of Products: Cable Trunking & Cable Trays

**Project:** Next Level Shopping Mall & Residence

Location: Ankara - Turkey

Year: 2012

Scope of Products: Cable Trays & Metal Fittings

**Project:** Orly Airport

Location: Paris, France

Year: 2009

Scope of Products: Metal Fittings & Accessories

**Project:** Pearl Project

Location: Doha, Qatar

Year: 2010

Scope of Products: Electrostatic Powder Painted Cable Trays

**Project:** Asian Olympics Stadium Project

Location: Ashgabad, Turkmenistan

Year: 2013

Scope of Products: Cable Trays & Metal Fittings

This is only a limited list of our references. To find out more, please contact us at [metal@kiracmetal.com](mailto:metal@kiracmetal.com)



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***'We Carry World's Energy'***







**Project:** Barzan Onshore Project



**Project:** Orly Airport



**Project:** Asian Olympics Stadium Project



**Project:** Next Level Shopping Mall & Residence



**Project:** Pearl Project





**Project:** Barzan Onshore Project



**Project:** New South Glasgow Hospital Project

## CABLE TRAY CODE EXPLANATION

Please use the below information as a guide when ordering our cable trays, accessories and support system.

### Heavy Duty Cable Tray

KRC/Width/A/Height/Thickness/Finish

### Heavy Duty Cable Tray Cover

KRC/Width/AKK/Height/Thickness/Finish

### Cable Tray Accessories

KRC/Width/A/Accessory Type/Height/Thickness/(Radius)/Finish

### Cable Tray Accessories Covers

KRC/Width/A/Accessory Type/K/Height/Thickness/(Radius)

Finish

### Heavy Duty Coupler

KRC/Height/A/CO/Finish

### Heavy Duty Adjustable Coupler

KRC/Height/SDE/Finish

### Heavy Duty Cover Clips

KRC/Height/KLP/Finish

### Cable Ladder

KRC/Width/MK/Height/Thickness/Finish

### Cable Ladder Cover

KRC/Width/MKK/Height/Thickness/Finish

### Cable Ladder Accessories

KRC/Width/M/Accessory Type/Height/Thickness/(Radius)/Finish

### Cable Ladder Accessories Covers

KRC/Width/M/Accessory Type/K/Height/Thickness/(Radius)/Finish

### Cable Ladder Coupler

KRC/Height/MEK/Finish

### Cable Ladder Cover Clips

KRC/Height/KLP/Finish

### Trunking

KRC/Width/TK/Height/Thickness/Finish

### Trunking Cover

KRC/Width/TK/Cover Type/Height/Thickness/Finish

### Trunking Accessories

KRC/Width/TK/Accessory Type/Height/Thickness/(Radius)/Finish

### Trunking Coupler

KRC/Height/TK/EK/Thickness/(Radius)/Finish

### Underfloor Trunking

KRC/Width/DO/Height/Thickness/Finish

### Support System

KRC/Support Type/(Height)/(Width)/(Thickness)/Finish

### Channel

KRC/Width/Channel Type/Height/Thickness/Finish

### Channel Fittings

KRC/CDE/FittingType/Finish

### Cable Tray, Cable Ladder, Trunking

A	Heavy Duty Cable Tray
AKK	Heavy Duty Cable Tray Cover
MK	Cable Ladder
MKK	Cable Ladder Cover
TK	Trunking
TKK	Standard Type Trunking Cover
TKSK	Screw Type Trunking Cover
DO	Underfloor Trunking
DOK	Underfloor Trunking Cover

### Accessories Type

KD	Horizontal Bend
KDK	Horizontal Bend Cover
TD	Tee Bend
TDK	Tee Bend Cover
DT	Vertical Tee Bend
TRD	Tee Reducer
DD	Crossover
DDK	Crossover Cover
ID	Internal Riser
IDK	Internal Riser Cover
ID	External Riser

IDK	External Riser Cover
RD	Reducer
RDK	Reducer Cover
SRD	Right-Left Reducer Connector
ORD	Middle Reducer Connector
SO	End Cap
EK	Coupler
SDE	Adjustable Coupler
SEP	Separator
KLP	Cover Clips
HEK	Connection Part
DI	Vertical Connection Box

### Support System Type

LP	Plated Head L Profile
LKA	L Ceiling Rack
LTM	L Head Plate
UP	Plated Head U Profile
UKA	U Ceiling Rack
UTM	U Head Plate
KDK	Cantilever Bracket
KDK	Cantilever Arm
DI	Stand Off Bracket
AGKAD	Trapeze Hanger
HB	Hold Down Bracket
ECC	Earth Continuity Connector
4UD	Wall Support U Profile
1UD	Wall Support Head Plate
18oP1	18o Heavy Duty Profile
18oP2	18o Heavy Duty Head Plate
18oK	18o Cantilever Arm
18oTM	18o Fastening Bracket
18oDM	18o Mounting Angles

### Channel System Type

SC	Standard Channel
DC	Double Channel Welded
SLC	Slotted Channel
TK	Heavy Duty Cantilever

### Fastener Type

C	Round Head Bolt
AC	Hexagonal Head Bolt
FS	Flanged Nut
AS	Hexagonal Nut
P	Washer
GJ	Thread Rod
SA	Sleeve Anchor
DA	Drop In Anchor
SDA	S Type In Anchor
BC	Beam Clamp

### Material & Finish

HDG	Hot Dip Galvanized
PC	Electrostatic Powder Coated
PG	Pre-Galvanized
SL304	Stainless Steel (304 grade)
SL316	Stainless Steel (316 marine grade)

### Radius

The accessories are available in the following radiuses:	45° - standard radius
	90° - standard radius
	300° - available upon request
	450° - available upon request
	600° - available upon request

For more information and examples please refer to Technical Data within the catalogue.



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## Quality Management System

Our Quality Assurance System is approved according to ISO 9001 : 2008, confirming our compliance with all demands. The cable tray system conforms to BS EN 61537:2007 ( *Cable Tray Systems & Cable Ladder Systems for Cable Management*) and IEC 61537:2007 ( *Cable Tray Systems and Cable Ladder Systems for Electrical Installations*).



## REFERENCE STANDARDS

The following is a list of all standards relating to the cable management systems covered by this catalogue.

ISO 9001:2008	Quality Management System
BS EN 61537:2007	Cable tray systems and cable ladder systems for cable management
IEC 61537:2007	Cable tray systems and cable ladder systems for electrical installations
BS EN ISO 1461	Hot dip galvanized coatings on fabricated iron and steel articles. Specifications and test methods
BS 729	Replaced by BS EN ISO 1461
BS EN 10326:2004	Continuously hot-dip coated strip and sheet of low carbon steels for cold forming. Technical delivery conditions
BS EN 10327:2004	Continuously hot-dip coated strip and sheet of low carbon steels for cold forming. Technical delivery conditions
BS EN 10147:2000	Replaced by BS EN 10326:2004
BS EN 10142	Specification for continuously hot-dip zinc coated low carbon steel sheet and strip for cold forming
BS EN 10143	Continuously hot-dip metal coated steel sheet and strip - tolerances on dimensions and shape.
BS 2989	Replaced by BS EN 10147
BS EN 10088	Stainless Steel. Technical delivery conditions for sheet/plate and strip for general purposes.
BS 4678:1982	Cable Trunking. Specification for cable trunkings made of insulating material.

## DIRECTIVES

The following directives apply to the cable management systems:

- The Low Voltage Directive 73/23/CEE known as LVD
- Directive 93/68/CEE known as CE Marking



## RoHS

The 2002/95/CE Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment), referred to as RoHS, aims to restrict the use of six following hazardous substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE)). It came into action in July, 2006. All Kırac Metal products contain none of the substances targeted by this directive.

## CE MARKING DIRECTIVE

Directive 93/68/CEE, known as the "CE Marking" Directive, modifies the Low Voltage Directive for issues concerning the conformance evaluation and marking procedures.

The standard IEC 61 537 is the "product" standard defining the requirements and test methods for the cable tray and cable ladder systems. Being the only standard harmonized at European level, it is the reference when marking CE on the products, as requested in the LVD.

## LVD DIRECTIVE

The low voltage directive (LVD) 73/23/CEE harmonizes the legislation of member countries and covers consumer and capital goods intended for use within the following voltage limits:

- 50 to 1000 Volt AC.
- 75 to 1500 Volt DC.

Difference between a directive and a standard

A directive defines the requirements related to the effects of the products on property and persons, but it does not explain in direct terms how to comply: this is the function of standards.

## AVAILABLE FINISHES

All our products are available in the following finishes:

PRE-GALVANIZED	STAINLESS STEEL
Pre-Galvanized products are produced according to BS EN 10142, BS EN 10143, BS EN 10327 norms. These products are recommended for indoor environment.	As far as stainless steel trays are resistant to dyestuffs, organic chemicals, and inorganic chemicals at elevated temperatures, they are mostly used in the harshest of environments. Our stainless steel cable trays are roll-formed from AISI Type 304 and 316 stainless steel according to BS EN 10088.
HOT-DIP GALVANIZED	POWDER COATED
Hot Dip Galvanized after process Cable Trays are manufactured according to BS EN 1461. These products provide high resistance to corrosion that's why they are mostly suitable for both indoor and outdoor applications.	The powder coated finishes are very tough and durable that's why they provide relatively high corrosion protection. Special paint coatings are available on request.
CORTEN A	OTHERS
Corten A-a weather resistant steel created by alloying copper, chromium and nickel. In addition to this, Corten A has added phosphorous which makes the material recommended for gas fuel applications and in high level of humidity environments. The material is not recommended in heavy load bearing applications. These trays are manufactured according to BS EN 1461.	For special environments we offer alternative finishes such as Aluzinc and ZAM.
ALUZINC	MAGNELIS
Aluzinc is cold rolled galvanized steel with metal coating composed of Aluminium (55%), Zinc (43,4%) and Slicium (1,6%). Aluzinc coated steel has superior long term corrosion resistance in most atmospheric conditions.	Magnelis is a flat carbon steel product coated on both sides with a zinc (93,5%)-aluminium(3,5%)-magnesium (3,0%) alloy. This product is ideal for use in construction and civil engineering applications, where good corrosion resistance in very aggressive environments (e.g. chloride or highly alkaline) is required.

For more details please see "Material and Finish" page 136.



## PRODUCT INFORMATION

Heavy Duty Cable Tray is a return flanged perforated tray with side height of 50mm, 75mm, 100mm. The standard length of tray is 3000 mm, available in 50 mm to 900 mm widths. Heavy Duty Cable Trays are suited for application where heavy cable loads are to be supported over medium to heavy spans.

## DIMENSIONS

Width: 50, 75, 100, 150, 200, 300, 400, 500, 600, 750, 900 mm

Height: 50 mm, 75 mm, 100 mm (Available in 40 mm, 60 mm height)

Length: 3000 mm (Available in 2440 mm length)

Thickness: 1.0 mm to 2.0mm. All Cable Trays are available in the following thicknesses: 1.0mm, 1.2mm, 1.5mm, 2.00mm

\*special sizes upon request.

## FINISHES

### STANDARD FINISHES

PG Pre-Galvanized steel to BS EN 10327 grade DX51D+Z100 finish

HDG Hot Dip Galvanized after manufacturer to BS EN ISO 1461

### ADDITIONAL FINISHES *(upon request):*

SL Stainless Steel to BS EN 10088 No. 1:4301 (grade: SSL 304), No. 1.4404 (grade:SSL316).

AL: Aluzing MG: Magnelis

PC Electrostatic Powder Coated followed by RAL color specification.

The powder coated finishes are very tough and durable that's why they provide relatively high corrosion protection. Special paint coatings are available on request.

*For more details please refer to our Sales Team.*





# HEAVY DUTY RETURN FLANGE CABLE TRAY

## SELECTION RANGE

Cable Trays  
Cable Covers  
Coupler  
Adjustable Coupler  
Horizontal Bends 45°  
Horizontal Bends 90°  
Reducer

Tee Bend  
Crossover  
Internal Riser  
External Riser  
End Cap  
Separator

*All Heavy Duty Cable Trays are available with accessories and covers.*

Heavy Duty Cable Tray H:50 mm p.20  
Heavy Duty Cable Tray H:75 mm p.28  
Heavy Duty Cable Tray H:100 mm p.36

# CABLE TRAY SPECIFICATIONS

## A - Cable Tray Design

Cable Tray should be made of straight sections, accessories and fitting as defined in BS EN 61537 and IEC 61537 standards.

- All and fittings are welded construction. They are heavy duty return flanged, perforated type. Tray work has oval perforations.
- The inside of the tray is a smooth surface which prevent from damages and allows easier cable pulling.
- Tray accessories are accurately formed to close tolerances and all edges rounded. Flanges have full round smooth edges.
- Tray accessories shall be made of the same material as the cable tray whenever possible.
- The cable tray system shall be manufactured according to the following standards: Pre-Galvanized finishes to BS EN 10327; Hot Dip Galvanized finishes to BS EN 1461.

## B - Cable Tray Dimensions

Heavy Duty Cable Tray is a return flanged perforated tray with side height of 50mm, 75 mm and 100 mm. The standard length of tray is 3000 mm, available in 50 mm to 900 mm widths. Heavy Duty Cable Trays are suited for application where heavy cable loads are to be supported over short to medium spans.

**Width:** 50 mm, 75 mm, 100 mm, 150 mm, 200 mm, 300 mm, 400 mm, 500 mm, 600 mm, 750 mm, 900 mm

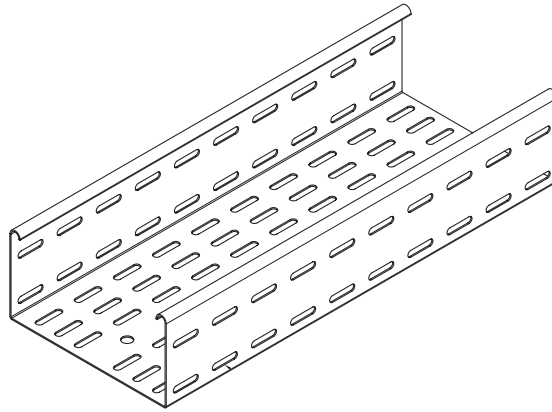
**Height:** 50 mm, 75 mm, 100 mm *(Available in 40 mm, 60 mm length)*

**Length:** 3000 mm *(Available in 2440 mm length)*

**Thickness:** The cable trays shall have the minimum thickness as follows: 1.0 mm for tray of widths 50 mm to 150 mm; 1.2 mm for tray of widths 200 mm and 300 mm; 1.5 mm for tray of widths 400 mm to 600 mm; 2.0mm for tray of widths 750 mm and 900 mm. *Special sizes are upon request. All Heavy Duty Cable Trays are available with accessories and covers.*

## C - Perforation Details

The heavy duty return flanged cable tray has a hole pattern arrangement allowing for greater all-round versatility. Details of the perforation patterns are given in the following diagram.

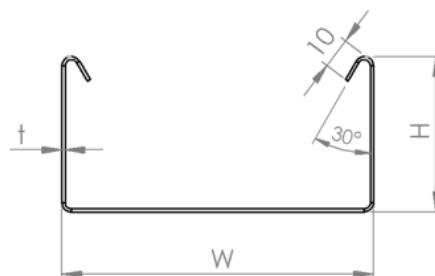


## D - Side Heights

Kıraç Metal cable trays are available in the following side wall heights: 50 mm, 75 mm, 100 mm. Additional wall heights are upon request. For more details please contact our Sales Team.

## E - Profiles

Heavy Duty Return Flange H: 50 mm, 75 mm, 100 mm





## F - Cable Tray Accessories Radius

Accessories are available in the following standard radiuses: 45° and 90°. Other radiuses 300°, 450° and 600° are available upon request. For more details please consult our Sales Team.

## G - Material Thicknesses

The standard range of material thickness for all Kırac Metal cable trays and accessories was determined by providing the most cost effective thickness for each material type. The following table shows the standard material thickness for each cable tray type.

The cable tray shall have a minimum thickness as follows.

### Heavy Duty Return Flange Cable Trays H: 50 mm

1.0 mm for tray of widths 50 mm to 150 mm  
1.2 mm for tray of widths 200 mm and 300 mm  
1.5 mm for tray of widths 400 mm to 600 mm  
2.0mm for tray of widths 750 mm and 900 mm

Product Name	Width (mm)	GI Mild Steel (mm)	Hot Dip Galvanized Mild Steel (mm)
Heavy Duty Return Flange Cable Trays H:50 mm	50 75 100 150	1.0	1.0
	200 300	1.2	1.2
	400 500 600	1.5	1.5
	750 900	2.0	2.0

### Heavy Duty Return Flange Cable Trays H:75mm

1.0 mm for tray of widths 75 mm to 150 mm  
1.2 mm for tray of widths 200 mm and 300 mm  
1.5 mm for tray of widths 400 mm to 600 mm  
2.0mm for tray of widths 750 mm and 900 mm

Product Name	Width (mm)	GI Mild Steel (mm)	Hot Dip Galvanized Mild Steel (mm)
Heavy Duty Return Flange Cable Trays H:75 mm	50 75 100 150	1.0	1.0
	200 300	1.2	1.2
	400 500 600	1.5	1.5
	750 900	2.0	2.0

### Heavy Duty Return Flange Cable Trays H:100mm

1.2 mm for tray of widths 75 mm to 200 mm  
1.5 mm for tray of widths 300 mm and 600 mm  
2.0mm for tray of widths 750 mm and 900 mm

Product Name	Width (mm)	GI Mild Steel (mm)	Hot Dip Galvanized Mild Steel (mm)
Heavy Duty Return Flange Cable Trays H:100 mm	100 150 200	1.2	1.2
	300 400 500 600	1.5	1.5
	750 900	2.0	2.0

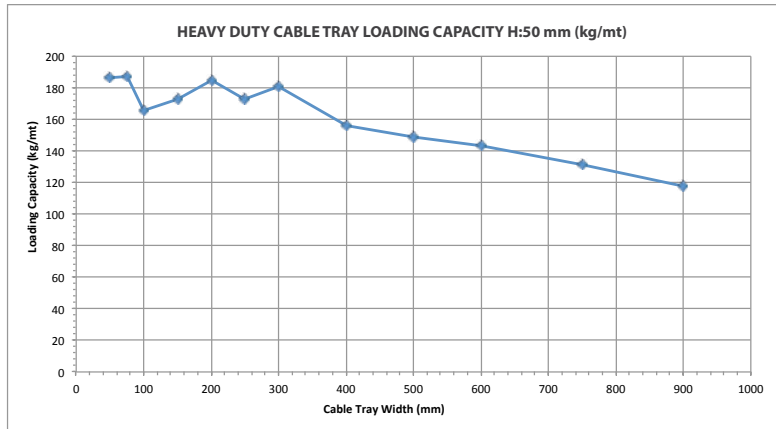
## H - Fixings for Cable Trays and Accessories

The standard cable tray fixing elements comprise of M6x15 round head bolts and M6 flanged nut.

## I - Loading Capabilities

Cable Tray shall meet the load/span designation in accordance with IEC 61537.

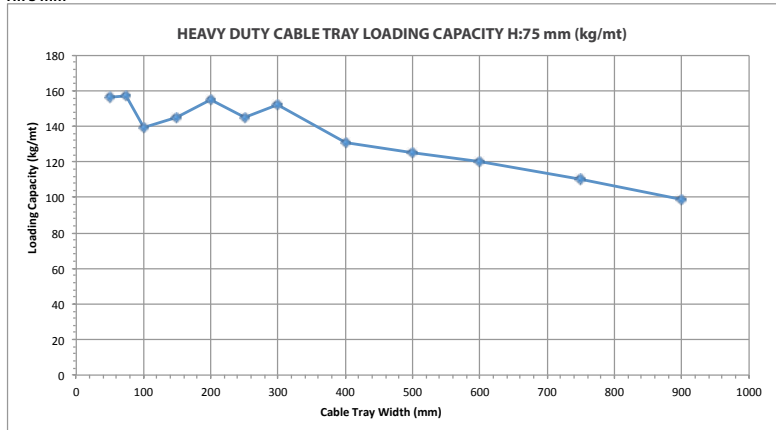
### H:50 mm



### HEAVY DUTY RETURN FLANGE CABLE TRAY H:50 mm

WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LOADING CAPACITY (kg/mt)
50	50	1.5	186.6
75	50	1.5	186.8
100	50	1.5	165.8
150	50	1.5	172.5
200	50	1.5	184.5
300	50	1.5	181.0
400	50	2.0	155.8
500	50	2.0	149.0
600	50	2.0	143.0
750	50	2.0	131.4
900	50	2.0	117.5

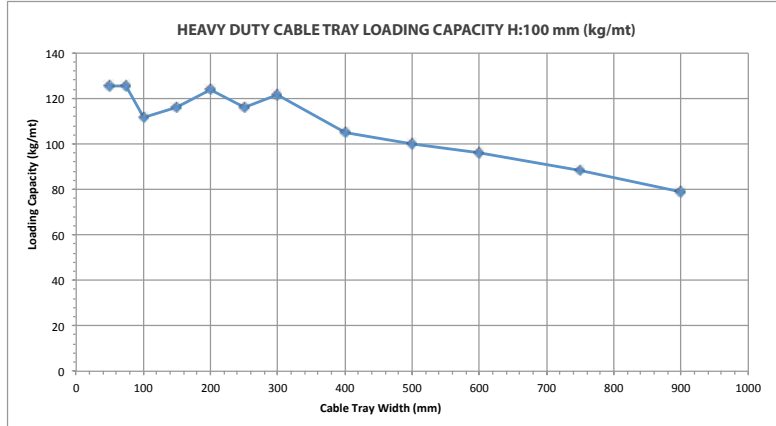
### H:75 mm



### HEAVY DUTY RETURN FLANGE CABLE TRAY H:75 mm

WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LOADING CAPACITY (kg/mt)
50	75	1.5	156.7
75	75	1.5	156.9
100	75	1.5	139.3
150	75	1.5	144.9
200	75	1.5	155.0
300	75	1.5	152.0
400	75	2.0	130.9
500	75	2.0	125.2
600	75	2.0	120.1
750	75	2.0	110.4
900	75	2.0	98.7

### H:100 mm



### HEAVY DUTY RETURN FLANGE CABLE TRAY H:100 mm

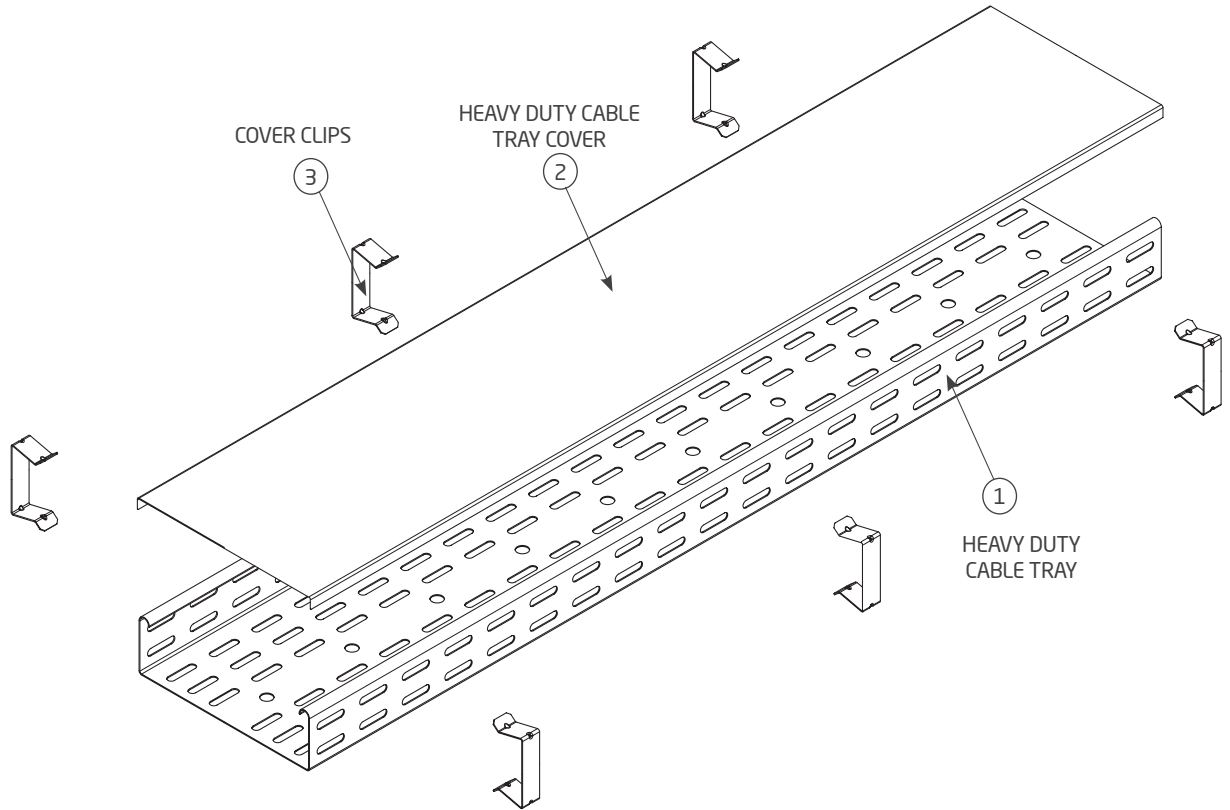
WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LOADING CAPACITY (kg/mt)
50	100	1.5	125.4
75	100	1.5	125.5
100	100	1.5	111.4
150	100	1.5	116.0
200	100	1.5	124.0
300	100	1.5	121.6
400	100	2.0	104.7
500	100	2.0	100.1
600	100	2.0	96.1
750	100	2.0	88.3
900	100	2.0	78.9

#### Notes:

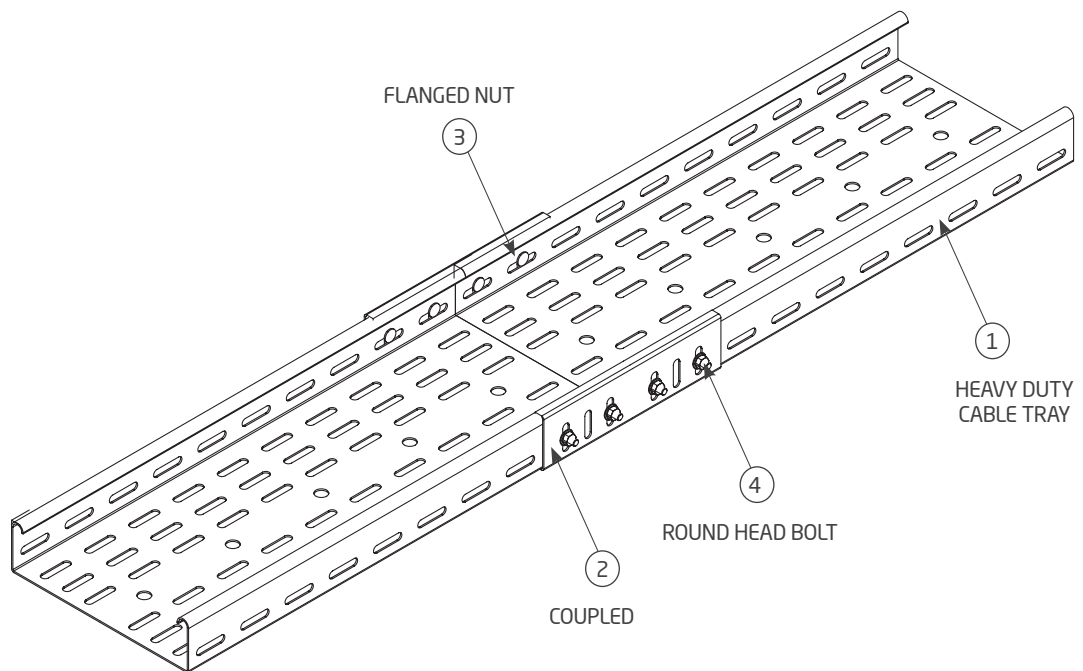
- All loads are in Kgs/Running Meters
- The loads are based on limitation of deflection to L/360 of span



### Installation System Overview 1



### Installation System Overview 2



## Installation System Overview

Kıraç Metal offers a wide variety of wall brackets, cantilevers, profiles and hangers with various weight bearing capabilities depending on the type and size of the tray system.



Ceiling L Support System  
*See details p.106*



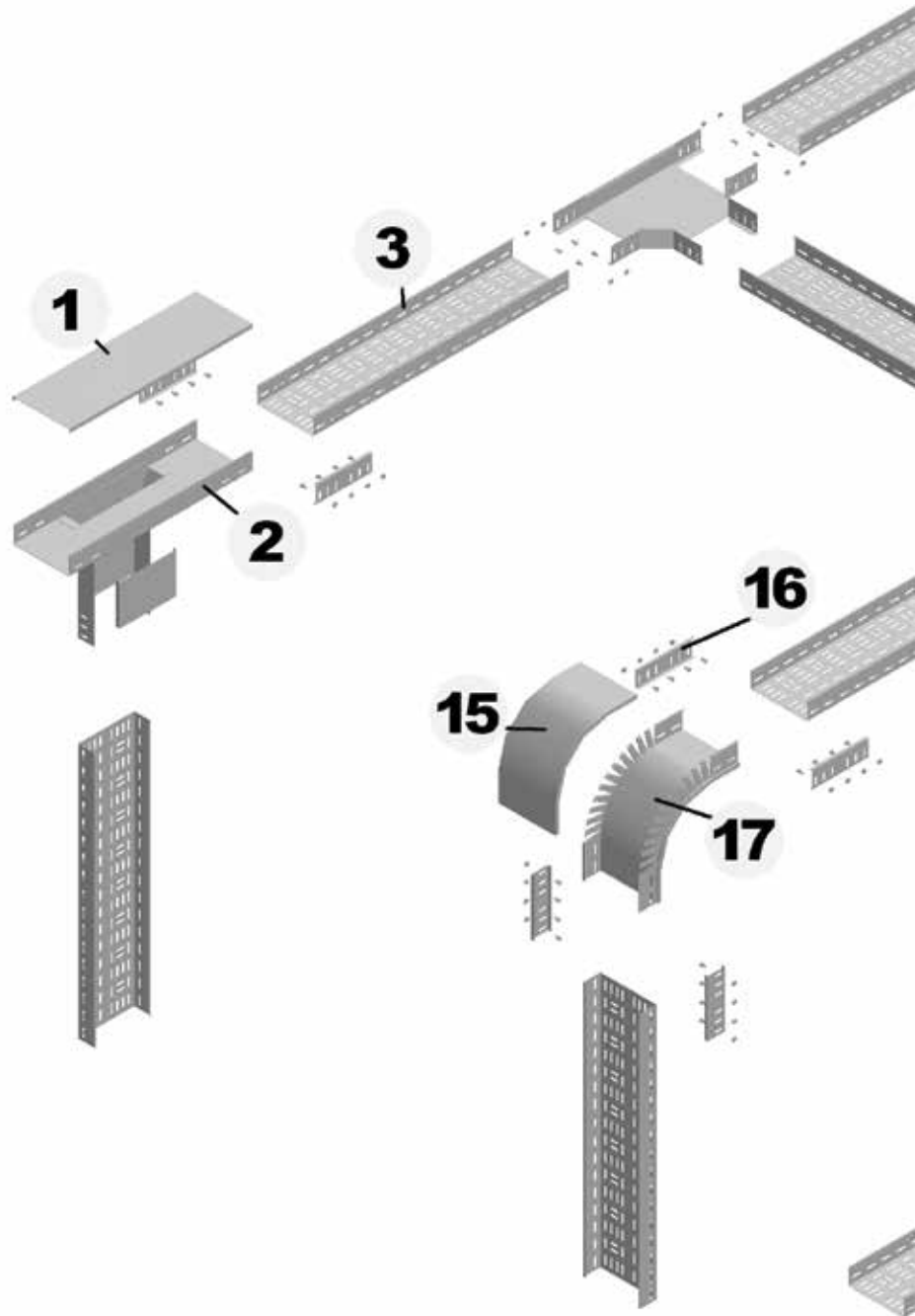
Ceiling U Support System  
*See details p.108*



Wall Support System  
*See details p.110*

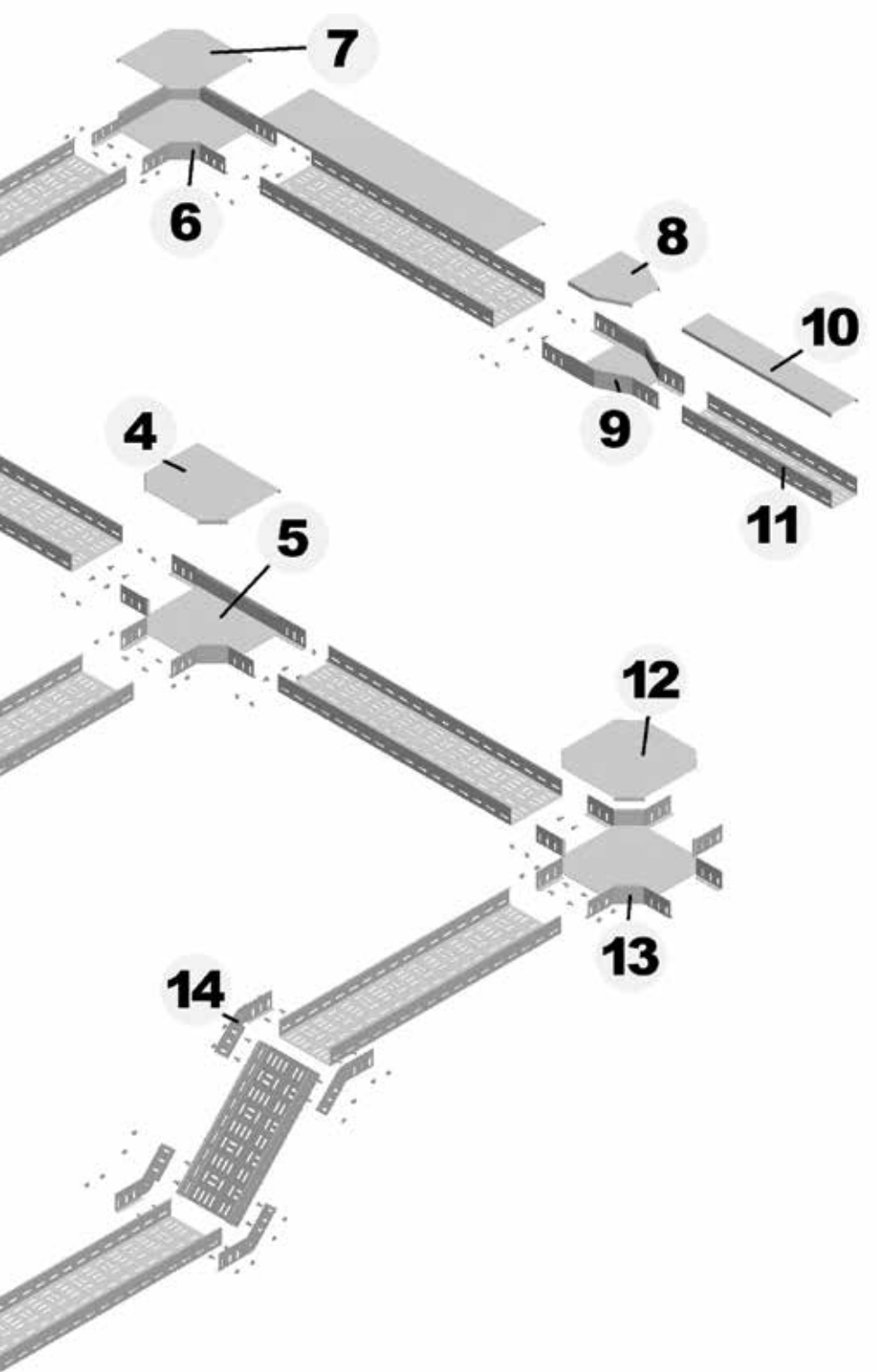


180 Support System  
*See details p.116*





## Heavy Duty Return Flange Cable Tray



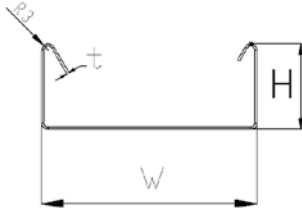
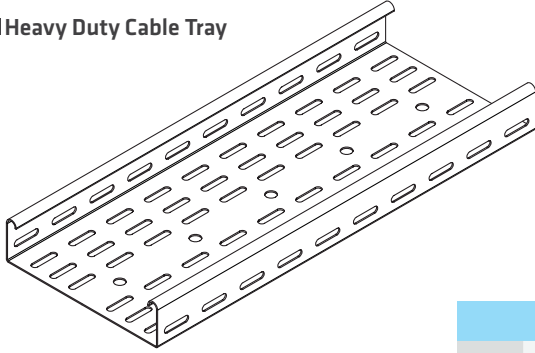
- 1 Cable Tray Cover
- 2 Vertical Tee Bend
- 3 Cable Tray
- 4 Tee Bend Cover
- 5 Tee Bend
- 6 Horizontal Bend 90 Degree
- 7 Horizontal Bend 90 Degree Cover
- 8 Reducer Cover
- 9 Reducer
- 10 Cable Tray Cover
- 11 Cable Tray
- 12 Crossover Cover
- 13 Crossover
- 14 Adjustable Coupler
- 15 External Riser Cover
- 16 Straight Coupler
- 17 External Riser

50 mm

## KRC HEAVY DUTY CABLE TRAY

KRC WIDTH [mm] A HEIGHT [mm] THICKNESS [mm] FINISH code explanation

### Heavy Duty Cable Tray



Heavy Duty Cable Tray						
No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)**	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC050A5010	50	3000	50	1.0	1.15
2.	KRC075A5010	75	3000	50	1.0	1.35
3.	KRC100A5010	100	3000	50	1.0	1.48
4.	KRC150A5010	150	3000	50	1.0	1.80
5.	KRC200A5012	200	3000	50	1.2	2.60
6.	KRC300A5012	300	3000	50	1.2	3.36
7.	KRC400A5015	400	3000	50	1.5	5.19
8.	KRC500A5015	500	3000	50	1.5	6.16
9.	KRC600A5015	600	3000	50	1.5	7.17
10.	KRC750A5020	750	3000	50	2.0	11.60
11.	KRC900A5020	900	3000	50	2.0	13.49

### Heavy Duty Cable Tray A

For each cable tray, 2 straight connectors KRC050NEK10/KRC050NEK40 must be ordered separately. M6 x 15 round head bolt and M6 flanged nut are used.

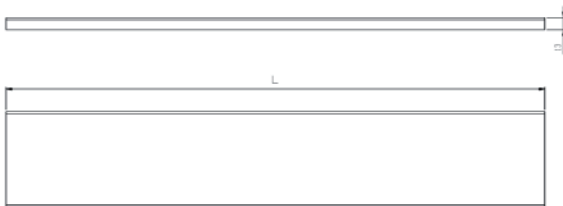
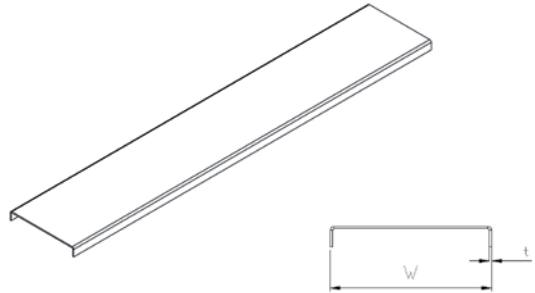
\* Available in 2440 mm length.

\*\* Available in 40 mm, 60 mm height.

Order details: KRC/Width/A/Height/Thickness/Finish

Sample order details: KRC050A5010PG

### Heavy Duty Cable Tray Cover



Heavy Duty Cable Tray Cover						
No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC050AKK1310	50	3000	13	1.0	0.60
2.	KRC075AKK1310	75	3000	13	1.0	0.80
3.	KRC100AKK1310	100	3000	13	1.0	1.00
4.	KRC150AKK1310	150	3000	13	1.0	1.39
5.	KRC200AKK1312	200	3000	13	1.2	2.14
6.	KRC300AKK1312	300	3000	13	1.2	3.09
7.	KRC400AKK1315	400	3000	13	1.5	5.00
8.	KRC500AKK1315	500	3000	13	1.5	6.23
9.	KRC600AKK1315	600	3000	13	1.5	7.41
10.	KRC750AKK1320	750	3000	13	2.0	12.25
11.	KRC900AKK1320	900	3000	13	2.0	14.61

### Heavy Duty Cable Tray Cover AKK

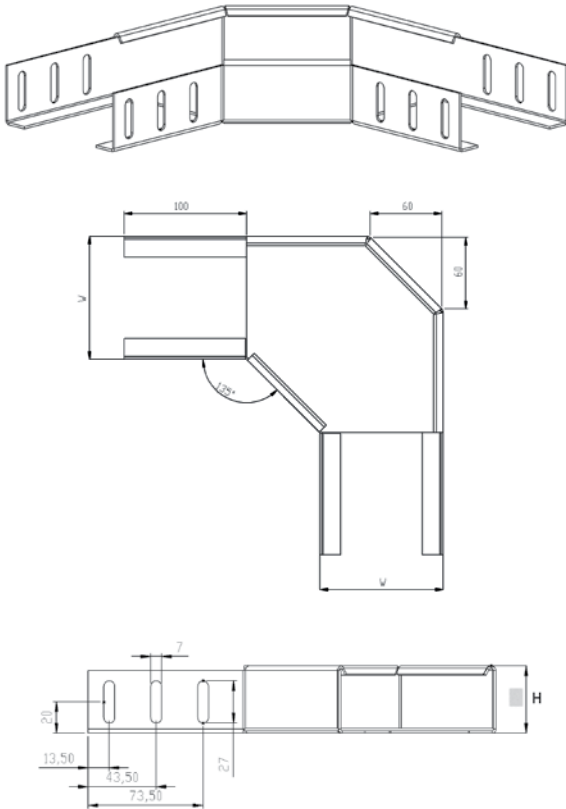
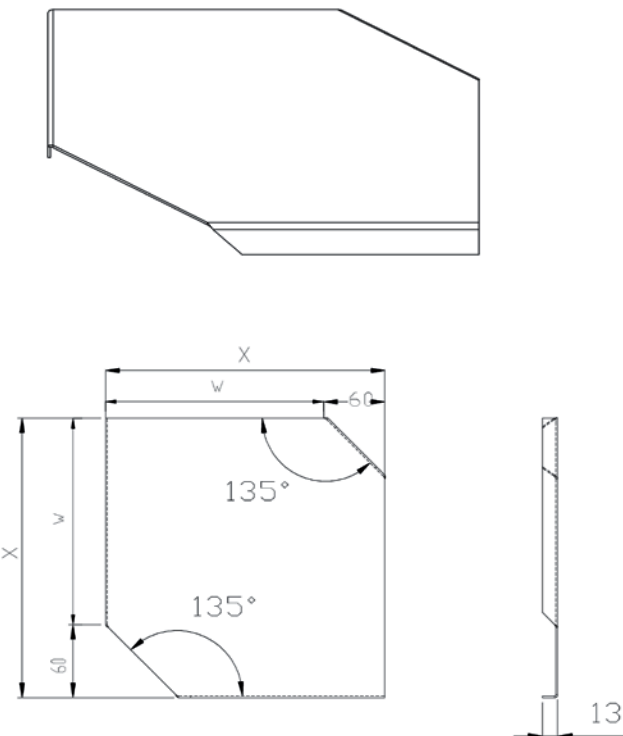
Cable Tray Cover is used to cover the top of the tray, providing mechanical and environmental protection for installed cables in cable tray system. Range of widths from 50 mm to 900 mm, standard height is 13 mm and length 3000 mm. For each cover, 6 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

\* Available in 2440 mm length.

Order details: KRC/Width/AKK/Height/Thickness/Finish

Sample order details: KRC050AKK1310PG



**Heavy Duty Horizontal Bend 90°**

**Heavy Duty Horizontal Bend 90° Cover**

**Heavy Duty Horizontal Bend 90°**

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AKD5010	50	50	1.0	0.41
2.	KRC075AKD5010	75	50	1.0	0.48
3.	KRC100AKD5010	100	50	1.0	0.57
4.	KRC150AKD5010	150	50	1.0	0.78
5.	KRC200AKD5012	200	50	1.2	1.22
6.	KRC300AKD5012	300	50	1.2	1.94
7.	KRC400AKD5015	400	50	1.5	3.57
8.	KRC500AKD5015	500	50	1.5	4.95
9.	KRC600AKD5015	600	50	1.5	6.56
10.	KRC750AKD5020	750	50	2.0	12.56
11.	KRC900AKD5020	900	50	2.0	17.08

**Heavy Duty Horizontal Bend 90° A/KD**

Used to make a smooth, 90° horizontal change in cable tray direction to turn the tray system on the right or on the left on the same plane. Range of widths from 50 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with horizontal bend use 12 pcs. M6 x 15 round head bolt M6 x 15 and flanged nut.

**Order details:** KRC/Width/AKD/Height/Thickness/Finish

**Sample order details:** KRC050AKD5010PG

**Heavy Duty Horizontal Bend 90° Cover**

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AKDK1310	50	13	1.0	0.10
2.	KRC075AKDK1310	75	13	1.0	0.14
3.	KRC100AKDK1310	100	13	1.0	0.21
4.	KRC150AKDK1310	150	13	1.0	0.37
5.	KRC200AKDK1312	200	13	1.2	0.68
6.	KRC300AKDK1312	300	13	1.2	1.29
7.	KRC400AKDK1315	400	13	1.5	2.62
8.	KRC500AKDK1315	500	13	1.5	3.86
9.	KRC600AKDK1315	600	13	1.5	5.33
10.	KRC750AKDK1320	750	13	2.0	10.65
11.	KRC900AKDK1320	900	13	2.0	14.95

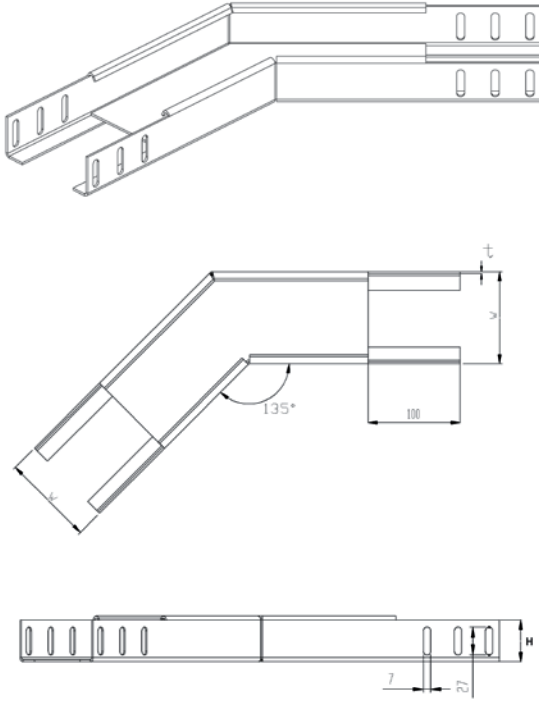
**Heavy Duty Horizontal Bend 90° Cover A/KDK**

Bend cover is used to cover the top of the 90° bend. Range of widths from 50 mm to 900 mm, standard height is 13mm. For each cover, 3 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/AKDK/Height/Thickness/Finish

**Sample order details:** KRC050AKDK1310PG

### Heavy Duty Horizontal Bend 45°



#### Heavy Duty Horizontal Bend 45°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AKD5010R45	50	50	1.0	0.60
2.	KRC075AKD5010R45	75	50	1.0	0.68
3.	KRC100AKD5010R45	100	50	1.0	0.76
4.	KRC150AKD5010R45	150	50	1.0	0.93
5.	KRC200AKD5012R45	200	50	1.2	1.33
6.	KRC300AKD5012R45	300	50	1.2	1.83
7.	KRC400AKD5015R45	400	50	1.5	3.00
8.	KRC500AKD5015R45	500	50	1.5	3.81
9.	KRC600AKD5015R45	600	50	1.5	4.73
10.	KRC750AKD5020R45	750	50	2.0	8.36
11.	KRC900AKD5020R45	900	50	2.0	10.72

#### Heavy Duty Horizontal Bend 45° AKD

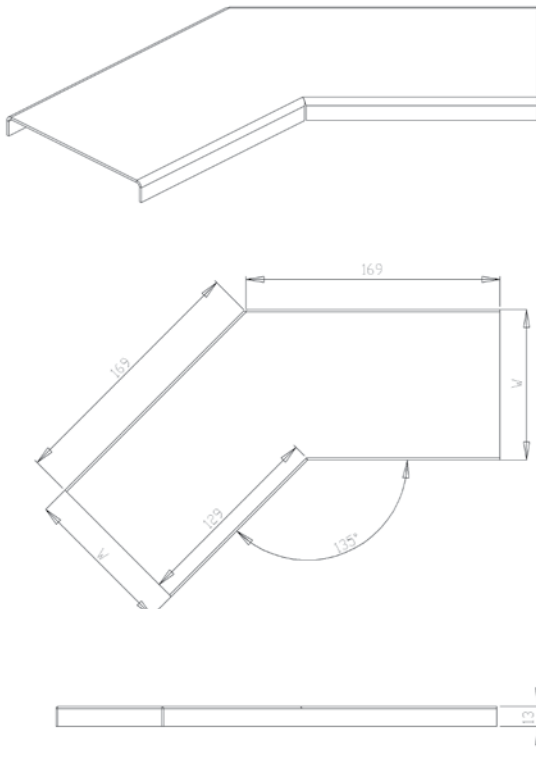
Used to make a 45° horizontal change in cable tray direction to turn the tray system on the right or on the left on the same plane. Range of widths from 50 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with horizontal bend use 12 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AKD/Height/Thickness/R45/Finish

**Sample order details:** KRC050AKD5010R45PG

### Heavy Duty Horizontal Bend 45° Cover



#### Heavy Duty Horizontal Bend 45° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AKDK1310R45	50	13	1.0	0.18
2.	KRC075AKDK1310R45	75	13	1.0	0.24
3.	KRC100AKDK1310R45	100	13	1.0	0.31
4.	KRC150AKDK1310R45	150	13	1.0	0.46
5.	KRC200AKDK1312R45	200	13	1.2	0.75
6.	KRC300AKDK1312R45	300	13	1.2	1.20
7.	KRC400AKDK1315R45	400	13	1.5	2.17
8.	KRC500AKDK1315R46	500	13	1.5	2.93
9.	KRC600AKDK1315R45	600	13	1.5	3.79
10.	KRC750AKDK1320R45	750	13	2.0	7.01
11.	KRC900AKDK1320R45	900	13	2.0	9.26

#### Heavy Duty Horizontal Bend 45° Cover AKDK

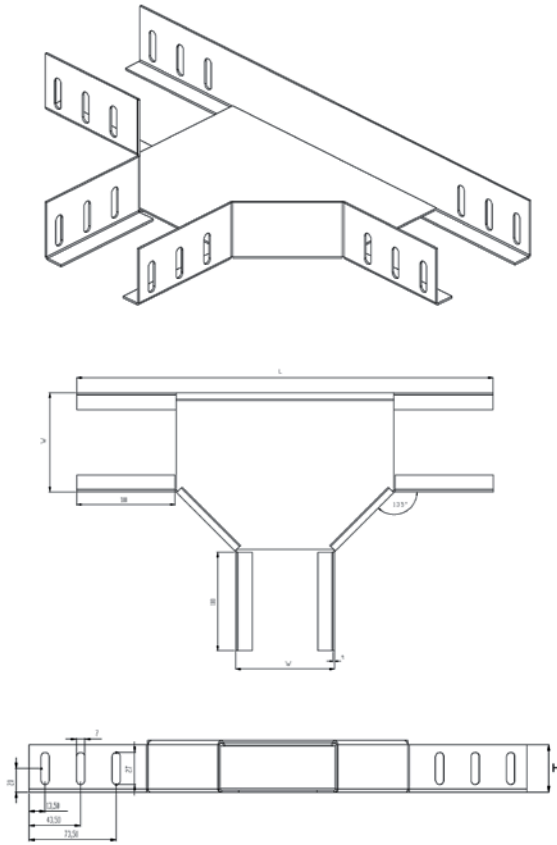
Bend cover is used to cover the top of the 45° bend. Range of widths from 50 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/AKDK/Height/Thickness/R45/Finish

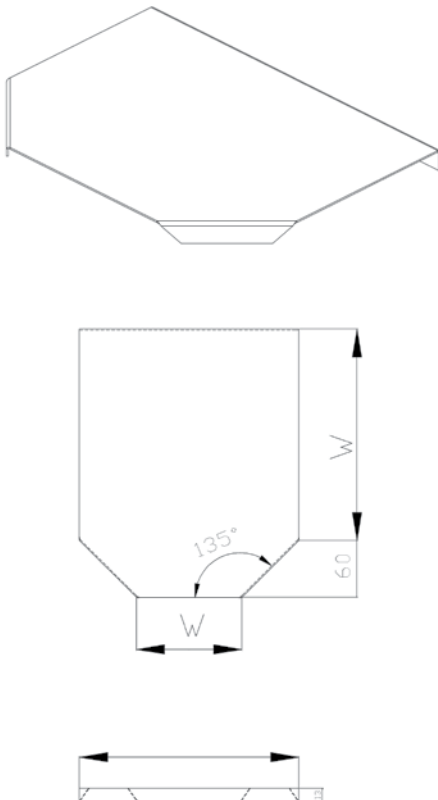
**Sample order details:** KRC050AKDK1310R45PG



### Heavy Duty Tee Bend



### Heavy Duty Tee Bend Cover



#### Heavy Duty Tee Bend

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050ATD5010	50	50	1.0	0.60
2.	KRC075ATD5010	75	50	1.0	0.65
3.	KRC100ATD5010	100	50	1.0	0.73
4.	KRC150ATD5010	150	50	1.0	0.93
5.	KRC200ATD5012	200	50	1.2	1.40
6.	KRC300ATD5012	300	50	1.2	2.11
7.	KRC400ATD5015	400	50	1.5	3.75
8.	KRC500ATD5015	500	50	1.5	5.11
9.	KRC600ATD5015	600	50	1.5	6.71
10.	KRC750ATD5020	750	50	2.0	12.71
11.	KRC900ATD5020	900	50	2.0	17.20

#### Heavy Duty Tee Bend A/TD

Tee bend is used to turn the tray system on the other way on the same plane. Range of widths from 50 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with tee bend use 18pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/ATD/Height/Thickness/Finish

**Sample order details:** KRC050ATD5010PG

#### Heavy Duty Tee Bend Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050ATDK1310	50	13	1.0	0.16
2.	KRC075ATDK1310	75	13	1.0	0.22
3.	KRC100ATDK1310	100	13	1.0	0.30
4.	KRC150ATDK1310	150	13	1.0	0.47
5.	KRC200ATDK1312	200	13	1.2	0.83
6.	KRC300ATDK1312	300	13	1.2	1.49
7.	KRC400ATDK1315	400	13	1.5	2.91
8.	KRC500ATDK1315	500	13	1.5	4.21
9.	KRC600ATDK1315	600	13	1.5	5.74
10.	KRC750ATDK1320	750	13	2.0	11.30
11.	KRC900ATDK1320	900	13	2.0	15.67

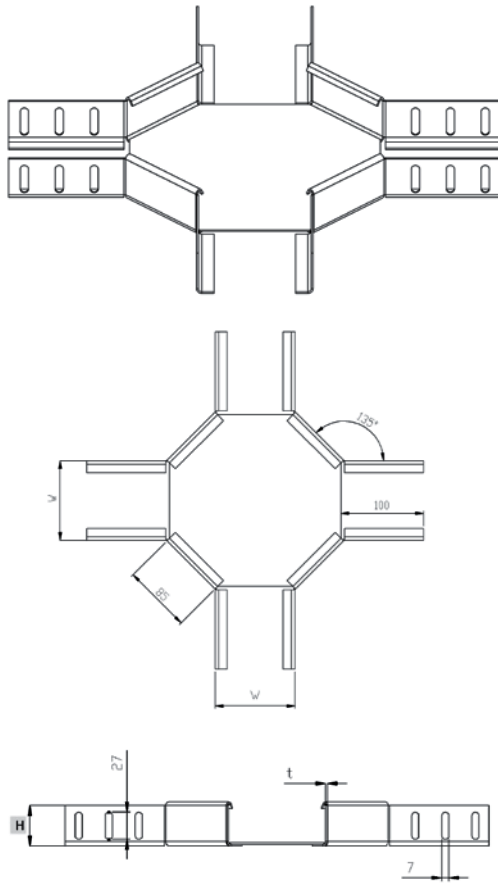
#### Heavy Duty Tee Bend Cover A/TDK

Tee bend cover is used to cover the top of the tee bend. Range of widths from 50 mm to 900 mm, standard height is 13 mm. For each cover, 3 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

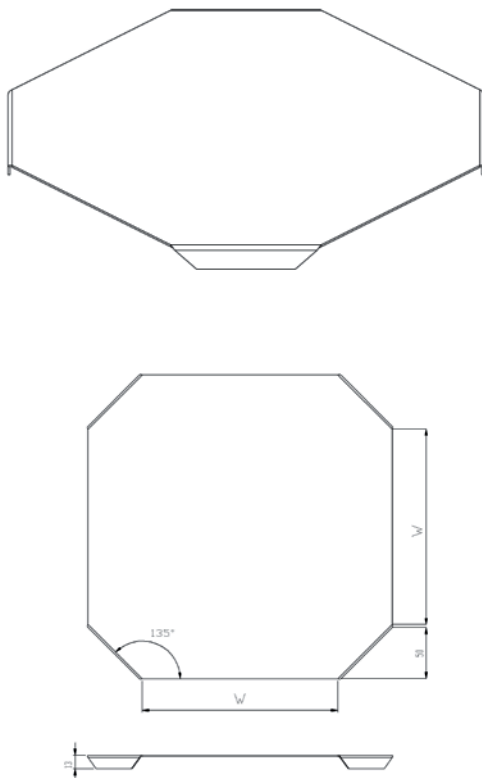
**Order details:** KRC/Width/ATDK/Height/Thickness/Finish

**Sample order details:** KRC050ATDK1310PG

### Heavy Duty Crossover



### Heavy Duty Crossover Cover



#### Heavy Duty Crossover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050ADD5010	50	50	1.0	0.72
2.	KRC075ADD5010	75	50	1.0	0.79
3.	KRC100ADD5010	100	50	1.0	0.87
4.	KRC150ADD5010	150	50	1.0	1.07
5.	KRC200ADD5012	200	50	1.2	1.56
6.	KRC300ADD5012	300	50	1.2	2.26
7.	KRC400ADD5015	400	50	1.5	3.93
8.	KRC500ADD5015	500	50	1.5	5.27
9.	KRC600ADD5015	600	50	1.5	6.85
10.	KRC750ADD5020	750	50	2.0	12.89
11.	KRC900ADD5020	900	50	2.0	17.35

#### Heavy Duty Crossover A/DD

Crossover is used to turn the tray system on the other way on the same plane. Range of widths from 50 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with crossover use 24 pcs. M6x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/ADD/Height/Thickness/Finish

**Sample order details:** KRC050ADD5010PG

#### Heavy Duty Crossover Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050ADDK1310	50	13	1.0	0.21
2.	KRC075ADDK1310	75	13	1.0	0.28
3.	KRC100ADDK1310	100	13	1.0	0.36
4.	KRC150ADDK1312	150	13	1.0	0.55
5.	KRC200ADDK1312	200	13	1.2	0.95
6.	KRC300ADDK1315	300	13	1.2	1.65
7.	KRC400ADDK1315	400	13	1.5	3.18
8.	KRC500ADDK1315	500	13	1.5	4.52
9.	KRC600ADDK1320	600	13	1.5	6.11
10.	KRC750ADDK1320	750	13	2.0	11.90
11.	KRC900ADDK1320	900	13	2.0	16.40

#### Heavy Duty Crossover Cover A/DDK

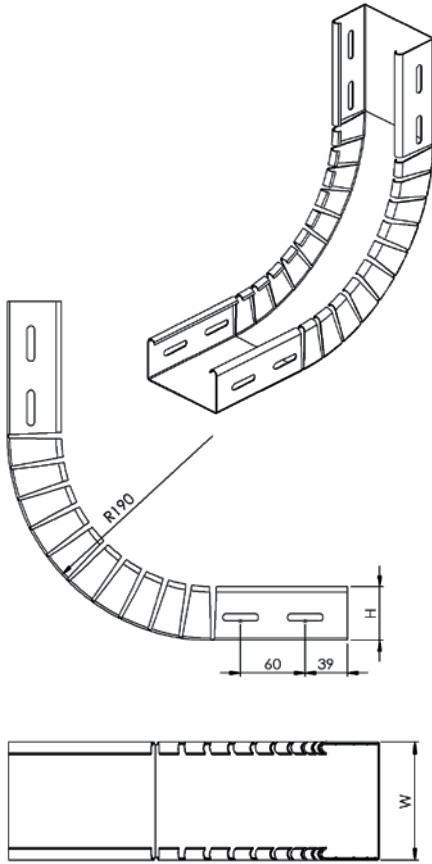
Crossover cover is used to cover the top of the crossover. Range of widths from 50 mm to 900 mm, standard height is 13mm. For each cover, 4 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width/ADDK/Height/Thickness/Finish

**Sample order details:** KRC050ADDK1310PG



### ■ Heavy Duty Internal Riser 90°



#### Heavy Duty Internal Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AID5010	50	50	1.0	0.60
2.	KRC075AID5010	75	50	1.0	0.72
3.	KRC100AID5010	100	50	1.0	0.88
4.	KRC150AID5010	150	50	1.0	1.00
5.	KRC200AID5012	200	50	1.2	1.50
6.	KRC300AID5012	300	50	1.2	2.00
7.	KRC400AID5015	400	50	1.5	3.15
8.	KRC500AID5015	500	50	1.5	3.80
9.	KRC600AID5015	600	50	1.5	4.44
10.	KRC750AID5020	750	50	2.0	7.20
11.	KRC900AID5020	900	50	2.0	8.50

#### Heavy Duty Internal Riser 90° A/ID

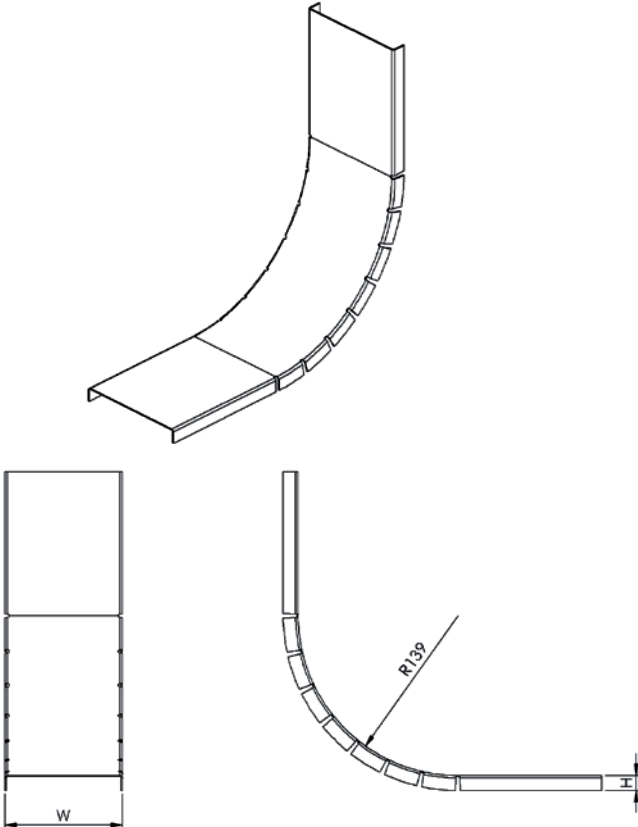
Internal riser is used to change the direction upward from the horizontal plane. Range of widths from 50 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with riser use 4 straight connectors KRC050AEK10 and 8 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AID/Height/Thickness/Finish

**Sample order details:** KRC050AID5010PG

### ■ Heavy Duty Internal Riser 90° Cover



#### Heavy Duty Internal Riser 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AIDK1310	50	13	1.0	0.27
2.	KRC075AIDK1310	75	13	1.0	0.36
3.	KRC100AIDK1310	100	13	1.0	0.45
4.	KRC150AIDK1310	150	13	1.0	0.64
5.	KRC200AIDK1312	200	13	1.2	0.99
6.	KRC300AIDK1312	300	13	1.2	1.43
7.	KRC400AIDK1315	400	13	1.5	1.76
8.	KRC500AIDK1315	500	13	1.5	2.90
9.	KRC600AIDK1315	600	13	1.5	3.44
10.	KRC750AIDK1320	750	13	2.0	5.70
11.	KRC900AIDK1320	900	13	2.0	6.80

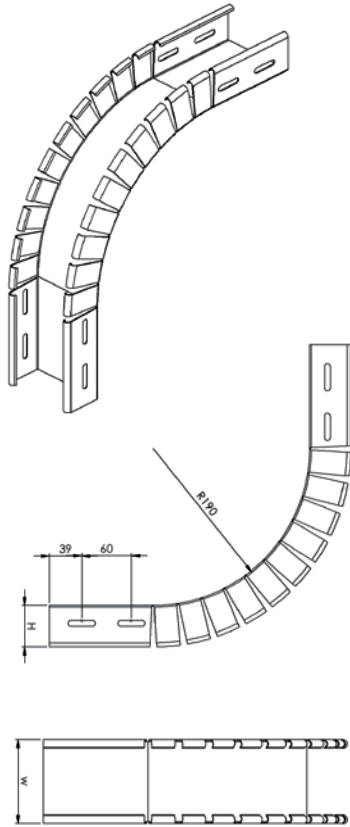
#### Heavy Duty Internal Riser 90° Cover A/IDK

Internal riser cover is used to cover the top of the riser. Range of widths from 50 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/AIDK/Height/Thickness/Finish

**Sample order details:** KRC050AIDK1310PG

■ Heavy Duty External Riser 90°



Heavy Duty External Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AID5010	50	50	1.0	0.60
2.	KRC075AID5010	75	50	1.0	0.72
3.	KRC100AID5010	100	50	1.0	0.88
4.	KRC150AID5010	150	50	1.0	1.00
5.	KRC200AID5012	200	50	1.2	1.50
6.	KRC300AID5012	300	50	1.2	2.00
7.	KRC400AID5015	400	50	1.5	3.15
8.	KRC500AID5015	500	50	1.5	3.80
9.	KRC600AID5015	600	50	1.5	4.44
10.	KRC750AID5020	750	50	2.0	7.20
11.	KRC900AID5020	900	50	2.0	8.50

Heavy Duty External Riser 90° A/ID

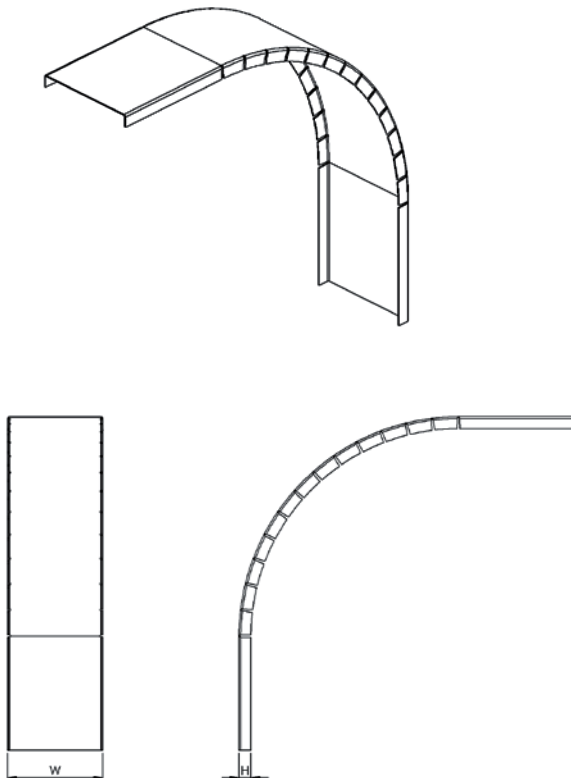
External riser is used to change the direction upward from the horizontal plane. Range of widths from 50 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with riser use 4 straight connectors KRC050AEK10 and 8pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AID/Height/Thickness/Finish

**Sample order details:** KRC050AID5010PG

■ Heavy Duty External Riser 90° Cover



Heavy Duty External Riser 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AIDK1310	50	13	1.0	0.36
2.	KRC075AIDK1310	75	13	1.0	0.49
3.	KRC100AIDK1310	100	13	1.0	0.61
4.	KRC150AIDK1310	150	13	1.0	0.86
5.	KRC200AIDK1312	200	13	1.2	1.33
6.	KRC300AIDK1312	300	13	1.2	1.92
7.	KRC400AIDK1315	400	13	1.5	3.14
8.	KRC500AIDK1315	500	13	1.5	3.88
9.	KRC600AIDK1315	600	13	1.5	4.62
10.	KRC750AIDK1320	750	13	2.0	7.64
11.	KRC900AIDK1320	900	13	2.0	9.12

Heavy Duty External Riser 90° Cover A/IDK

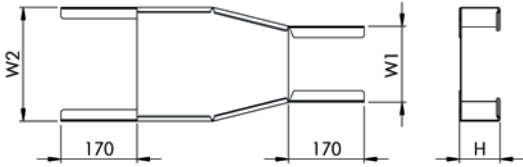
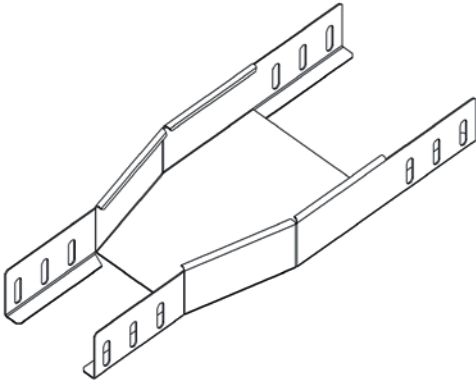
External riser cover is used to cover the top of the riser. Range of widths from 50 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width/AIDK/Height/Thickness/Finish

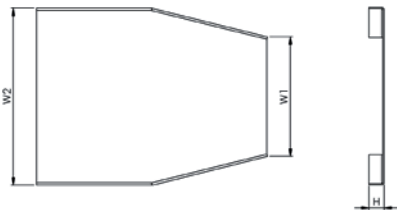
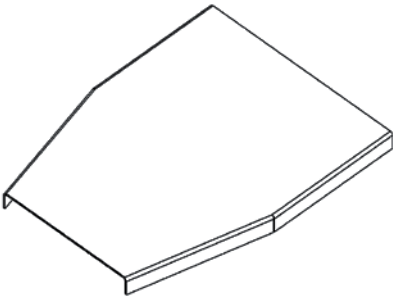
**Sample order details:** KRC050AIDK1310PG



### Heavy Duty Reducer



### Heavy Duty Reducer Cover



#### Heavy Duty Reducer

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC05075ARD5010	50	75	50	1.0	0.51
2.	KRC075100ARD5010	75	100	50	1.0	0.55
3.	KRC100150ARD5010	100	150	50	1.0	0.62
4.	KRC150200ARD5010	150	200	50	1.0	0.69
5.	KRC200300ARD5012	200	300	50	1.2	1.01
6.	KRC300400ARD5012	300	400	50	1.2	1.19
7.	KRC400500ARD5015	400	500	50	1.5	1.73
8.	KRC500600ARD5015	500	600	50	1.5	1.96
9.	KRC600750ARD5015	600	750	50	2.0	3.07
10.	KRC750900ARD5020	750	900	50	2.0	3.54

#### Heavy Duty Reducer A/RD

Standard reducer is used to reduce the width of the trays, keeping an equal width reduction along both sides in cable tray systems. Range of widths from 50 mm to 900 mm. Left hand reducers and right hand reducers are available. Please specify the dimension of W1, W2 with your order. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with reduce use 12 pcs. M6 x 15 round round head bolt and M6 flanged nut.

**Order details:** KRC/Width1/Width2/ARD/Height/Thickness/Finish

**Sample order details:** KRC05075ARD5010PG

#### Heavy Duty Reducer Cover

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC05075ARDK1310	50	75	13	1.0	0.15
2.	KRC075100ARDK1310	75	100	13	1.0	0.19
3.	KRC100150ARDK1310	100	150	13	1.0	0.26
4.	KRC150200ARDK1310	150	200	13	1.0	0.34
5.	KRC200300ARDK1312	200	300	13	1.2	0.57
6.	KRC300400ARDK1312	300	400	13	1.2	0.76
7.	KRC400500ARDK1315	400	500	13	1.5	1.19
8.	KRC500600ARDK1315	500	600	13	1.5	1.42
9.	KRC600750ARDK1315	600	750	13	2.0	2.34
10.	KRC750900ARDK1320	750	900	13	2.0	2.80

#### Heavy Duty Reducer Cover A/RDK

Reducer cover is used to cover the top of the reducer. Range of widths from 50 mm to 900 mm, standard height is 13 mm. For each cover, 2 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width1/Width2/A/RDK/Height/Thickness/Finish

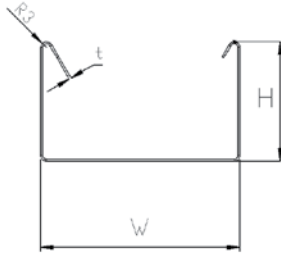
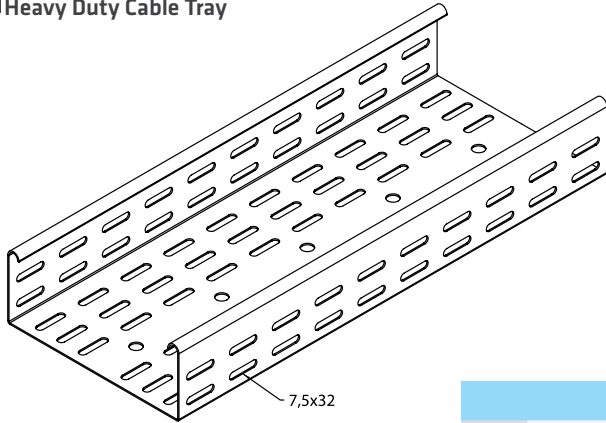
**Sample order details:** KRC05075ARDK1310PG

75 mm

# KRC HEAVY DUTY CABLE TRAY

KRC WIDTH [mm] A HEIGHT [mm] THICKNESS [mm] FINISH code explanation

## Heavy Duty Cable Tray



## Heavy Duty Cable Tray

No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)**	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC075A7510	75	3000	75	1.0	1.77
2.	KRC100A7510	100	3000	75	1.0	1.90
3.	KRC150A7510	150	3000	75	1.0	2.23
4.	KRC200A7512	200	3000	75	1.2	3.07
5.	KRC300A7512	300	3000	75	1.2	3.83
6.	KRC400A7515	400	3000	75	1.5	5.78
7.	KRC500A7515	500	3000	75	1.5	6.75
8.	KRC600A7515	600	3000	75	1.5	7.76
9.	KRC750A7520	750	3000	75	2.0	12.30
10.	KRC900A7520	900	3000	75	2.0	14.28

## Heavy Duty Cable Tray A

For each cable tray, 2 straight connectors KRC075AEK10/KRC075AEK40 must be ordered separately. M6x15 round head bolts and M6 flanged nut are used.

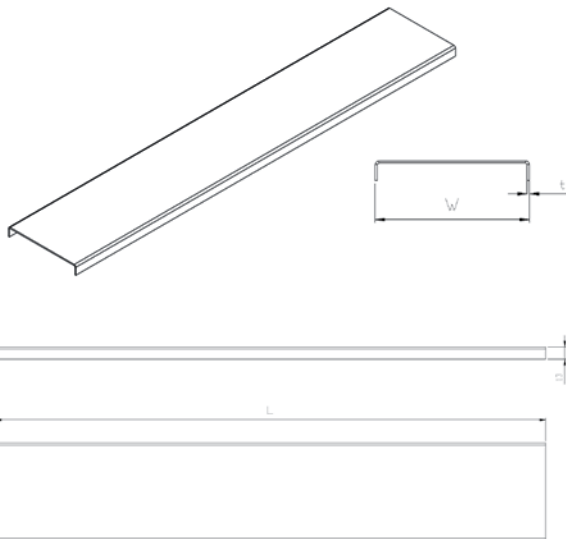
\* Available in 2440 mm length.

\*\* Available in 40 mm, 60 mm height.

Order details: KRC/Width/A/Height/Thickness/Finish

Sample order details: KRC075A7510PG

## Heavy Duty Cable Tray Cover



## Heavy Duty Cable Tray Cover

No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC075AKK1310	75	3000	13	1.0	0.80
2.	KRC100AKK1310	100	3000	13	1.0	1.00
3.	KRC150AKK1310	150	3000	13	1.0	1.39
4.	KRC200AKK1312	200	3000	13	1.2	2.14
5.	KRC300AKK1312	300	3000	13	1.2	3.09
6.	KRC400AKK1315	400	3000	13	1.5	5.00
7.	KRC500AKK1315	500	3000	13	1.5	6.23
8.	KRC600AKK1315	600	3000	13	1.5	7.41
9.	KRC750AKK1320	750	3000	13	2.0	12.25
10.	KRC900AKK1320	900	3000	13	2.0	14.61

## Heavy Duty Cable Tray Cover A/KK

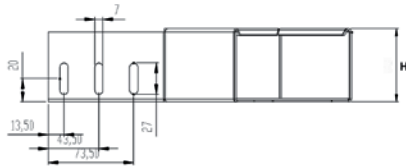
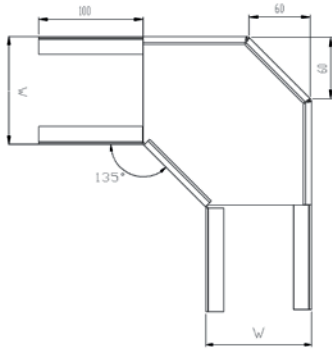
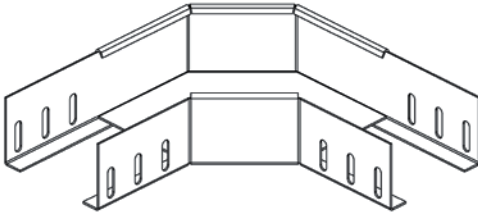
Cable Tray Cover is used to cover the top of the tray, providing mechanical and environmental protection for installed cables in cable tray system. Range of widths from 75 mm to 900 mm, standard height is 13 mm and length 3000 mm. For each cover, 6 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

\* Available in 2440 mm length.

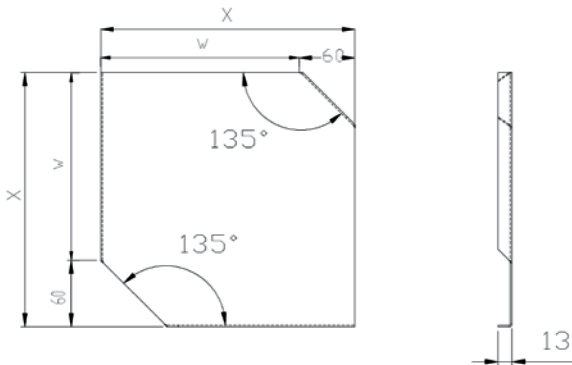
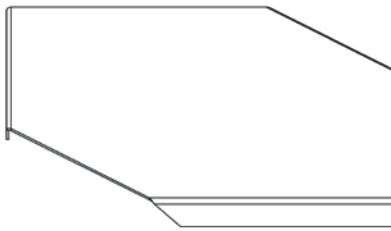
Order details: KRC/Width/AKK/Height/Thickness/Finish

Sample order details: KRC075AKK1310PG

### ■ Heavy Duty Horizontal Bend 90°



### ■ Heavy Duty Horizontal Bend 90°Cover



### Heavy Duty Horizontal Bend 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075AKD7510	75	75	1.0	0.63
2.	KRC100AKD7510	100	75	1.0	0.72
3.	KRC150AKD7510	150	75	1.0	0.94
4.	KRC200AKD7512	200	75	1.2	1.43
5.	KRC300AKD7512	300	75	1.2	2.22
6.	KRC400AKD7515	400	75	1.5	3.97
7.	KRC500AKD7515	500	75	1.5	5.41
8.	KRC600AKD7515	600	75	1.5	7.08
9.	KRC750AKD7520	750	75	2.0	13.37
10.	KRC900AKD7520	900	75	2.0	18.00

### Heavy Duty Horizontal Bend 90° A/KD

Used to make a smooth, 90° horizontal change in cable tray direction to turn the tray system on the right or on the left on the same plane. Range of widths from 75 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with horizontal bend use 12 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AKD/Height/Thickness/Finish

**Sample order details:** KRC075AKD7510PG

### Heavy Duty Horizontal Bend 90°Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075AKDK1310	75	13	1.0	0.14
2.	KRC100AKDK1310	100	13	1.0	0.21
3.	KRC150AKDK1310	150	13	1.0	0.37
4.	KRC200AKDK1312	200	13	1.2	0.68
5.	KRC300AKDK1312	300	13	1.2	1.29
6.	KRC400AKDK1315	400	13	1.5	2.62
7.	KRC500AKDK1315	500	13	1.5	3.86
8.	KRC600AKDK1315	600	13	1.5	5.33
9.	KRC750AKDK1320	750	13	2.0	10.65
10.	KRC900AKDK1320	900	13	2.0	14.95

### Heavy Duty Horizontal Bend 90° Cover A/KDK

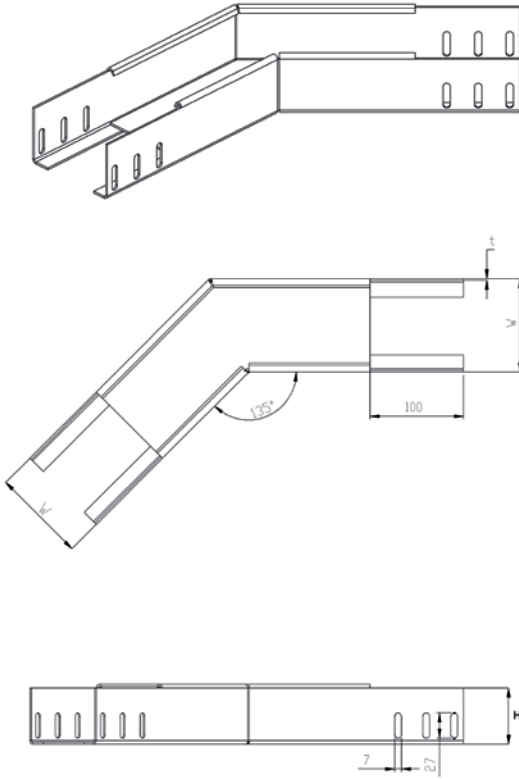
Bend cover is used to cover the top of the 90° bend. Range of widths from 75 mm to 900 mm, standard height is 13 mm. For each cover, 3 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/AKDK/Height/Thickness/Finish

**Sample order details:** KRC075AKDK1310PG



■ Heavy Duty Horizontal Bend 45°



Heavy Duty Horizontal Bend 45°					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075AKD7510R45	75	75	1.0	0.87
2.	KRC100AKD7510R45	100	75	1.0	0.96
3.	KRC150AKD7510R45	150	75	1.0	1.13
4.	KRC200AKD7512R45	200	75	1.2	1.60
5.	KRC300AKD7512R45	300	75	1.2	2.10
6.	KRC400AKD7515R45	400	75	1.5	3.36
7.	KRC500AKD7515R46	500	75	1.5	4.20
8.	KRC600AKD7515R45	600	75	1.5	5.15
9.	KRC750AKD7520R45	750	75	2.0	8.96
10.	KRC900AKD7520R45	900	75	2.0	11.40

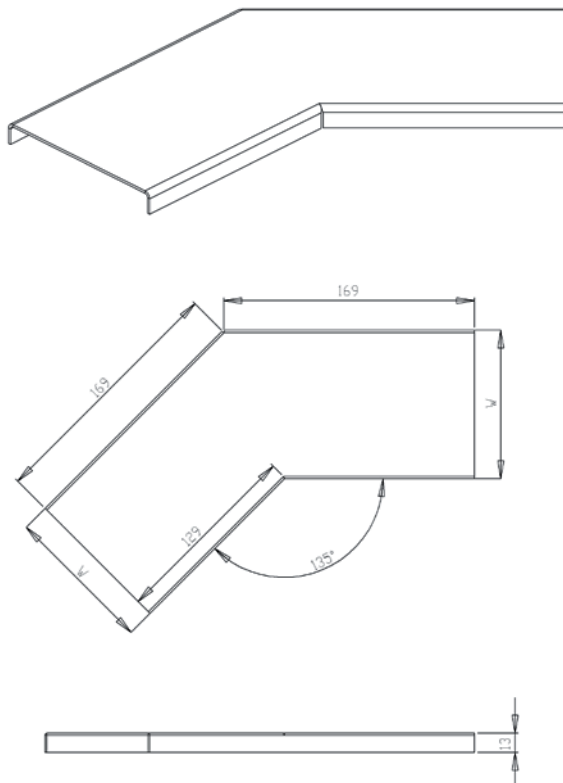
**Heavy Duty Horizontal Bend 45° A/KD**

Used to make a 45° horizontal change in cable tray direction to turn the tray system on the right or on the left on the same plane. Range of widths from 75 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with horizontal bend use 12 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AKD/Height/Thickness/R45/Finish  
**Sample order details:** KRC075AKD7510R45PG

■ Heavy Duty Horizontal Bend 45° Cover



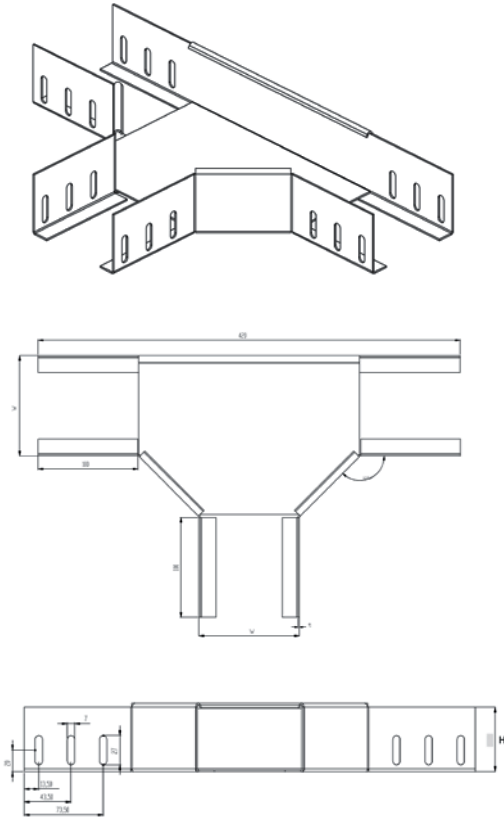
Heavy Duty Horizontal Bend 45° Cover					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075AKDK1310R45	75	13	1.0	0.24
2.	KRC100AKDK1310R45	100	13	1.0	0.31
3.	KRC150AKDK1310R45	150	13	1.0	0.46
4.	KRC200AKDK1312R45	200	13	1.2	0.75
5.	KRC300AKDK1312R45	300	13	1.2	1.20
6.	KRC400AKDK1315R45	400	13	1.5	2.17
7.	KRC500AKDK1315R46	500	13	1.5	2.93
8.	KRC600AKDK1315R45	600	13	1.5	3.79
9.	KRC750AKDK1320R45	750	13	2.0	7.01
10.	KRC900AKDK1320R45	900	13	2.0	9.26

**Heavy Duty Horizontal Bend 45° Cover A/KDK**

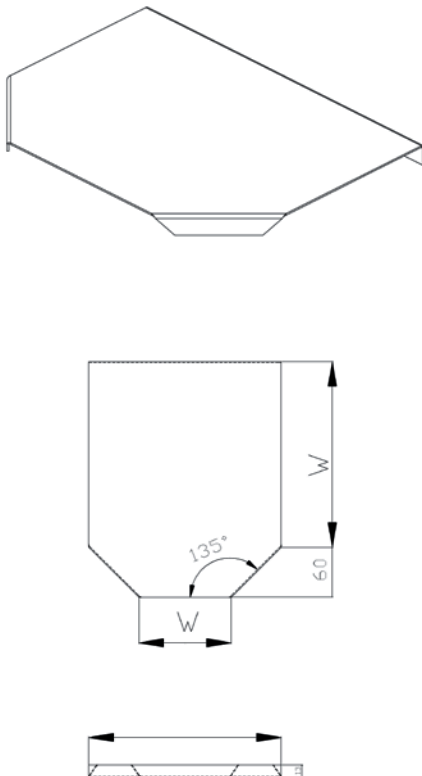
Bend cover is used to cover the top of the 45° bend. Range of widths from 75 mm to 900 mm, standard height is 13mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/AKDK/Height/Thickness/R45/Finish  
**Sample order details:** KRC075AKDK1310R45PG

### ■ Heavy Duty Tee Bend



### ■ Heavy Duty Tee Bend Cover



#### Heavy Duty Tee Bend

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075ATD7510	75	75	1.0	0.84
2.	KRC100ATD7510	100	75	1.0	0.93
3.	KRC150ATD7510	150	75	1.0	1.14
4.	KRC200ATD7512	200	75	1.2	1.69
5.	KRC300ATD7512	300	75	1.2	2.40
6.	KRC400ATD7515	400	75	1.5	4.13
7.	KRC500ATD7515	500	75	1.5	5.52
8.	KRC600ATD7515	600	75	1.5	7.13
9.	KRC750ATD7520	750	75	2.0	13.33
10.	KRC900ATD7520	900	75	2.0	17.87

#### Heavy Duty Tee Bend A/TD

Tee bend is used to turn the tray system on the other way on the same plane. Range of widths from 75 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with tee bend use 18 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/ATD/Height/Thickness/Finish

**Sample order details:** KRC075ATD7510PG

#### Heavy Duty Tee Bend Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075ATDK1310	75	13	1.0	0.22
2.	KRC100ATDK1310	100	13	1.0	0.30
3.	KRC150ATDK1310	150	13	1.0	0.47
4.	KRC200ATDK1312	200	13	1.2	0.83
5.	KRC300ATDK1312	300	13	1.2	1.49
6.	KRC400ATDK1315	400	13	1.5	2.91
7.	KRC500ATDK1315	500	13	1.5	4.21
8.	KRC600ATDK1315	600	13	1.5	5.74
9.	KRC750ATDK1320	750	13	2.0	11.30
10.	KRC900ATDK1320	900	13	2.0	15.67

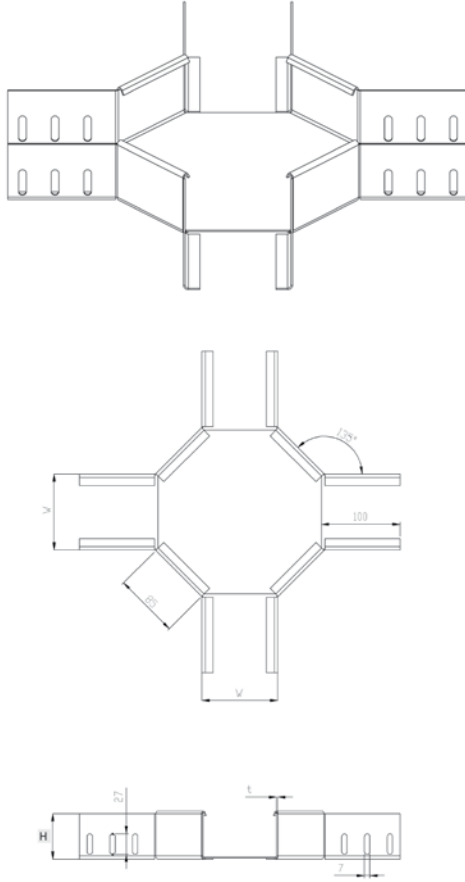
#### Heavy Duty Tee Bend Cover A/TDK

Tee bend cover is used to cover the top of the tee bend. Range of widths from 75 mm to 900 mm, standard height is 13 mm. For each cover, 3 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

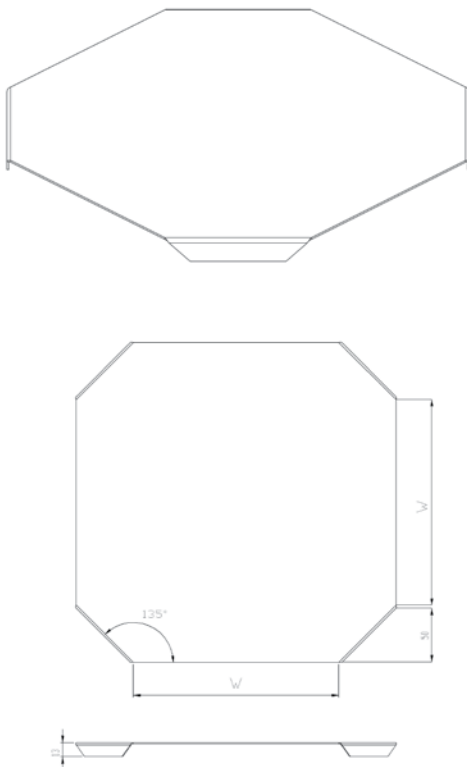
**Order details:** KRC/Width/ATDK/Height/Thickness/Finish

**Sample order details:** KRC075ATDK1310PG

### Heavy Duty Crossover



### Heavy Duty Crossover Cover



#### Heavy Duty Crossover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075ADD7510	75	75	1.0	1.02
2.	KRC100ADD7510	100	75	1.0	1.10
3.	KRC150ADD7510	150	75	1.0	1.29
4.	KRC200ADD7512	200	75	1.2	1.82
5.	KRC300ADD7512	300	75	1.2	2.52
6.	KRC400ADD7515	400	75	1.5	4.26
7.	KRC500ADD7515	500	75	1.5	5.61
8.	KRC600ADD7515	600	75	1.5	7.19
9.	KRC750ADD7520	750	75	2.0	13.34
10.	KRC900ADD7520	900	75	2.0	17.80

#### Heavy Duty Crossover A/DD

Crossover is used to turn the tray system on the other way on the same plane. Range of widths from 75 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with crossover use 24 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/ADD/Height/Thickness/Finish

**Sample order details:** KRC075ADD7510PG

#### Heavy Duty Crossover Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075ADDK1310	75	13	1.0	0.28
2.	KRC100ADDK1310	100	13	1.0	0.36
3.	KRC150ADDK1312	150	13	1.0	0.55
4.	KRC200ADDK1312	200	13	1.2	0.95
5.	KRC300ADDK1315	300	13	1.2	1.65
6.	KRC400ADDK1315	400	13	1.5	3.18
7.	KRC500ADDK1315	500	13	1.5	4.52
8.	KRC600ADDK1320	600	13	1.5	6.11
9.	KRC750ADDK1320	750	13	2.0	11.90
10.	KRC900ADDK1320	900	13	2.0	16.40

#### Heavy Duty Crossover Cover A/DDK

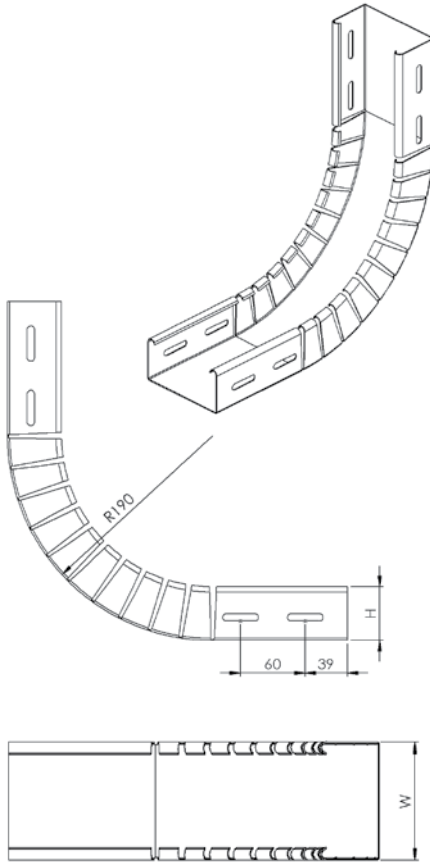
Crossover cover is used to cover the top of the crossover. Range of widths from 75 mm to 900 mm, standard height is 13mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width/ADDK/Height/Thickness/Finish

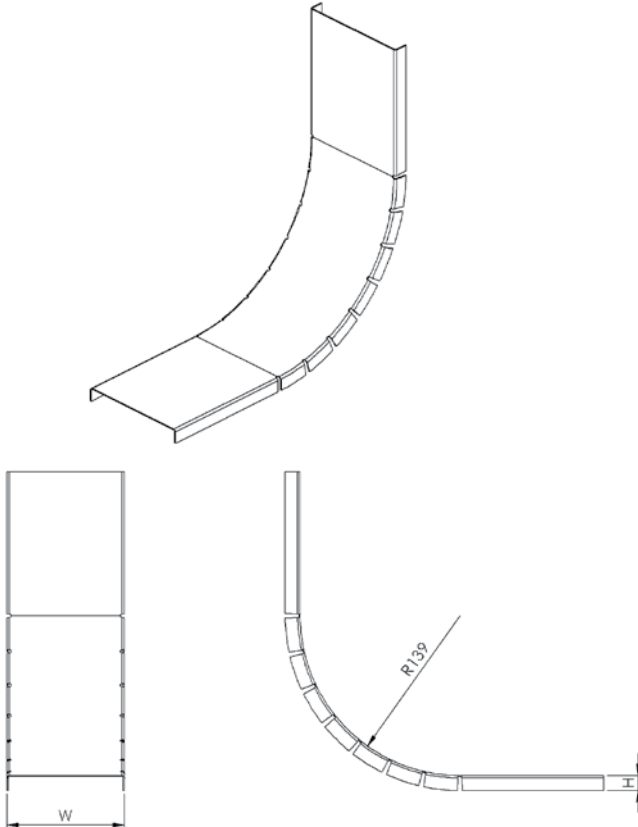
**Sample order details:** KRC075ADDK1310PG



### ■ Heavy Duty Internal Riser 90°



### ■ Heavy Duty Internal Riser 90° Cover



#### Heavy Duty Internal Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075AID7510	75	75	1.0	0.86
2.	KRC100AID7510	100	75	1.0	0.97
3.	KRC150AID7510	150	75	1.0	1.18
4.	KRC200AID7512	200	75	1.2	1.67
5.	KRC300AID7512	300	75	1.2	2.19
6.	KRC400AID7515	400	75	1.5	3.37
7.	KRC500AID7515	500	75	1.5	4.01
8.	KRC600AID7515	600	75	1.5	4.66
9.	KRC750AID7520	750	75	2.0	7.48
10.	KRC900AID7520	900	75	2.0	8.77

#### Heavy Duty Internal Riser 90° A/ID

Internal riser is used to change the direction upward from the horizontal plane. Range of widths from 75 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with riser use 4 straight connectors KRC075AEK10 and 8pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AID/Height/Thickness/Finish

**Sample order details:** KRC075AID7510PG

#### Heavy Duty Internal Riser 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075AIDK1310	75	13	1.0	0.33
2.	KRC100AIDK1310	100	13	1.0	0.42
3.	KRC150AIDK1310	150	13	1.0	0.60
4.	KRC200AIDK1312	200	13	1.2	0.90
5.	KRC300AIDK1312	300	13	1.2	1.31
6.	KRC400AIDK1315	400	13	1.5	2.14
7.	KRC500AIDK1315	500	13	1.5	2.65
8.	KRC600AIDK1315	600	13	1.5	3.15
9.	KRC750AIDK1320	750	13	2.0	5.21
10.	KRC900AIDK1320	900	13	2.0	6.23

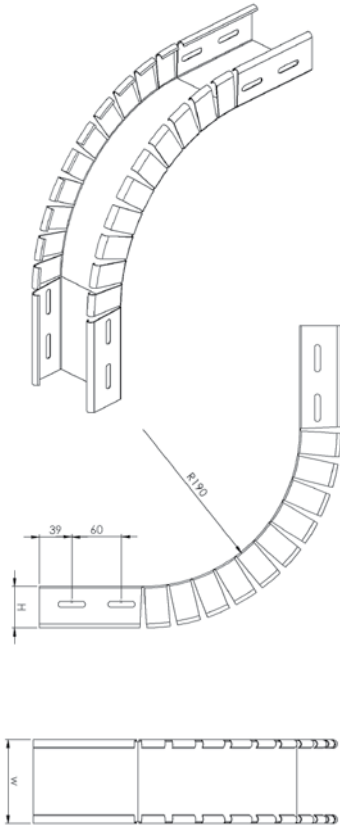
#### Heavy Duty Internal Riser 90° Cover A/IDK

Internal riser cover is used to cover the top of the riser. Range of widths from 75 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

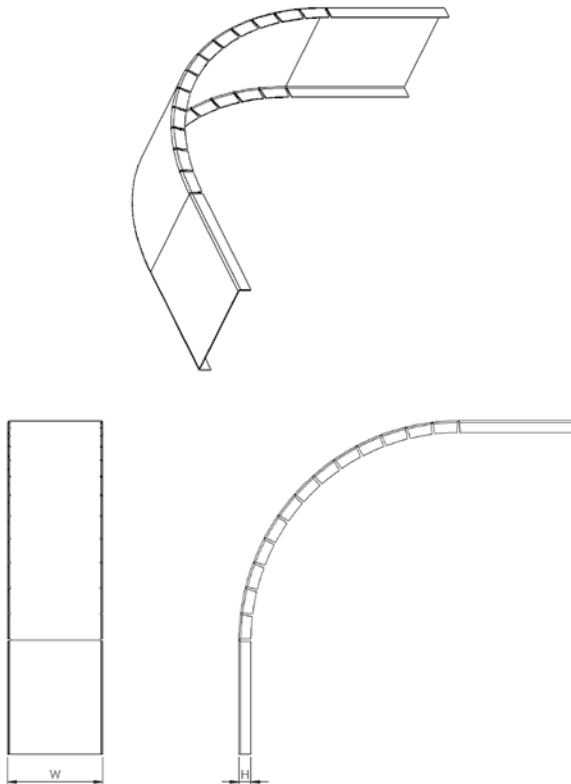
**Order details:** KRC/Width/AIDK/Height/Thickness/Finish

**Sample order details:** KRC075AIDK1310PG

### Heavy Duty External Riser 90°



### Heavy Duty External Riser 90° Cover



#### Heavy Duty External Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075AID7510	75	75	1.0	0.86
2.	KRC100AID7510	100	75	1.0	0.97
3.	KRC150AID7510	150	75	1.0	1.18
4.	KRC200AID7512	200	75	1.2	1.67
5.	KRC300AID7512	300	75	1.2	2.19
6.	KRC400AID7515	400	75	1.5	3.37
7.	KRC500AID7515	500	75	1.5	4.01
8.	KRC600AID7515	600	75	1.5	4.66
9.	KRC750AID7520	750	75	2.0	7.48
10.	KRC900AID7520	900	75	2.0	8.47

#### Heavy Duty External Riser 90° A/ID

External riser is used to change the direction upward from the horizontal plane. Range of widths from 75 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with riser use 4 straight connectors KRC075AEK10 and 8pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AID/Height/Thickness/Finish

**Sample order details:** KRC075AID7510PG

#### Heavy Duty External Riser 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075AIDK1310	75	13	1.0	0.52
2.	KRC100AIDK1310	100	13	1.0	0.65
3.	KRC150AIDK1310	150	13	1.0	0.91
4.	KRC200AIDK1312	200	13	1.2	1.41
5.	KRC300AIDK1312	300	13	1.2	2.04
6.	KRC400AIDK1315	400	13	1.5	3.34
7.	KRC500AIDK1315	500	13	1.5	4.12
8.	KRC600AIDK1315	600	13	1.5	4.91
9.	KRC750AIDK1320	750	13	2.0	8.12
10.	KRC900AIDK1320	900	13	2.0	9.69

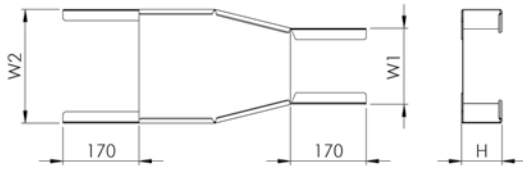
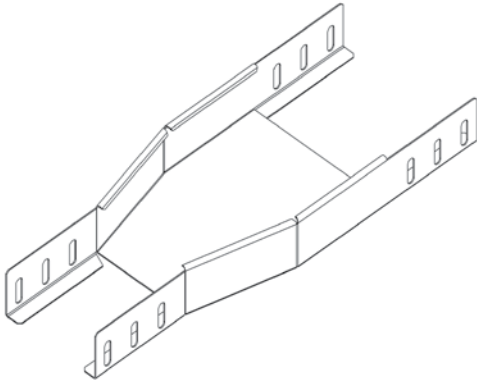
#### Heavy Duty External Riser 90° Cover A/IDK

External riser cover is used to cover the top of the riser. Range of widths from 75 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

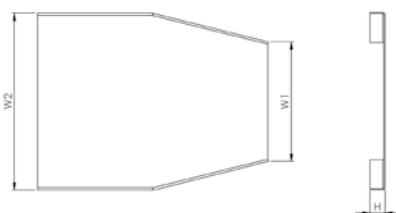
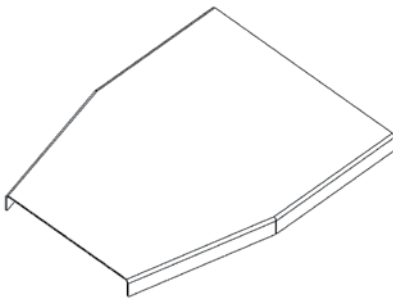
**Order details:** KRC/Width/AIDK/Height/Thickness/Finish

**Sample order details:** KRC075AIDK1310PG

### Heavy Duty Reducer



### Heavy Duty Reducer Cover



#### Heavy Duty Reducer

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075100ARD7510	75	100	75	1.0	0.70
2.	KRC100150ARD7510	100	150	75	1.0	0.78
3.	KRC150200ARD7510	150	200	75	1.0	0.86
4.	KRC200300ARD7512	200	300	75	1.2	1.20
5.	KRC300400ARD7512	300	400	75	1.2	1.39
6.	KRC400500ARD7515	400	500	75	1.5	1.97
7.	KRC500600ARD7515	500	600	75	1.5	2.20
8.	KRC600750ARD7515	600	750	75	2.0	3.40
9.	KRC750900ARD7520	750	900	75	2.0	3.87

#### Heavy Duty Reducer A/RD

Standard reducer is used to reduce the width of the trays, keeping an equal width reduction along both sides in cable tray systems. Range of widths from 75 mm to 900 mm. Left hand reducers and right hand reducers are available. Please specify the dimensions of W1,W2 with your order. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with reducer use 12 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width1/Width2/ARD/Height/Thickness/Finish

**Sample order details:** KRC075100ARD7510PG

#### Heavy Duty Reducer Cover

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075100ARDK1310	75	100	13	1.0	0.19
2.	KRC100150ARDK1310	100	150	13	1.0	0.26
3.	KRC150200ARDK1310	150	200	13	1.0	0.34
4.	KRC200300ARDK1312	200	300	13	1.2	0.57
5.	KRC300400ARDK1312	300	400	13	1.2	0.76
6.	KRC400500ARDK1315	400	500	13	1.5	1.19
7.	KRC500600ARDK1315	500	600	13	1.5	1.42
8.	KRC600750ARDK1315	600	750	13	2.0	2.34
9.	KRC750900ARDK1320	750	900	13	2.0	2.80

#### Heavy Duty Reducer Cover A/RDK

Reducer cover is used to cover the top of the reducer. Range of widths from 75 mm to 900 mm, standard height is 13 mm. For each cover, 2 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width1/Width2/ARDK/Height/Thickness/Finish

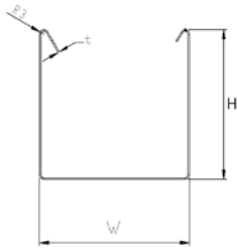
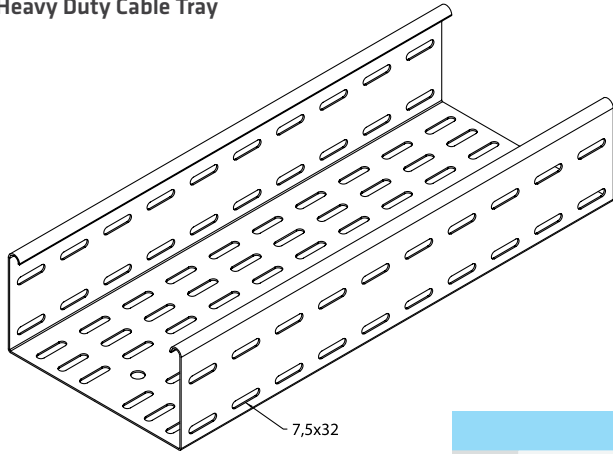
**Sample order details:** KRC075100ARDK1310PG



# 100 mm KRC HEAVY DUTY CABLE TRAY

KRC WIDTH [mm] A HEIGHT [mm] THICKNESS [mm] FINISH code explanation

## Heavy Duty Cable Tray



Heavy Duty Cable Tray						
No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)**	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC100A10012	100	3000	100	1.2	2.67
2.	KRC150A10012	150	3000	100	1.2	3.06
3.	KRC200A10012	200	3000	100	1.2	3.47
4.	KRC300A10015	300	3000	100	1.5	5.27
5.	KRC400A10015	400	3000	100	1.5	6.27
6.	KRC500A10015	500	3000	100	1.5	7.25
7.	KRC600A10015	600	3000	100	1.5	8.25
8.	KRC750A10020	750	3000	100	2.0	13.00
9.	KRC900A10020	900	3000	100	2.0	14.93

## Heavy Duty Cable Tray A

For each cable tray, 2 straight connectors KRC100AEK10/KRC100AEK40 must be ordered separately. M6 x 15 bolt and M6 flanged nut are used.

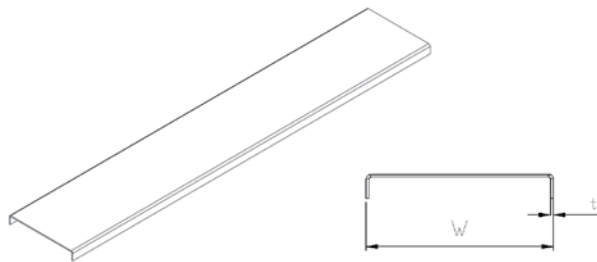
\*Available in 2440 mm length.

\*\*Available in 40 mm, 60 mm height.

Order details: KRC/Width/A/Height/Thickness/Finish

Sample order details: KRC100A10012PG

## Heavy Duty Cable Tray Cover



Heavy Duty Cable Tray Cover						
No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC100AKK1312	100	3000	13	1.2	1.17
2.	KRC150AKK1312	150	3000	13	1.2	1.65
3.	KRC200AKK1312	200	3000	13	1.2	2.14
4.	KRC300AKK1315	300	3000	13	1.5	3.82
5.	KRC400AKK1315	400	3000	13	1.5	5.00
6.	KRC500AKK1315	500	3000	13	1.5	6.23
7.	KRC600AKK1315	600	3000	13	1.5	7.41
8.	KRC750AKK1320	750	3000	13	2.0	12.25
9.	KRC900AKK1320	900	3000	13	2.0	14.61

## Heavy Duty Cable Tray Cover A/KK

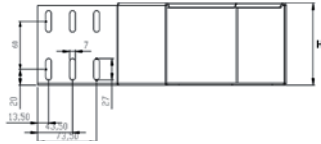
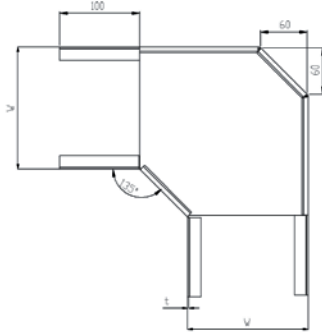
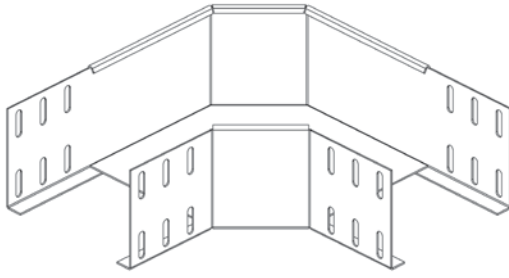
Cable Tray Cover is used to cover the top of the tray, providing mechanical and environmental protection for installed cables in cable tray system. Range of widths from 100 mm to 900 mm, standard height is 13 mm and length 3000 mm. For each cover, 6 pcs. KRC100KLP cover clips are required. M6 x 15 head round bolt is used. Cover clips are not provided and should be ordered separately.

\*Available in 2440 mm length.

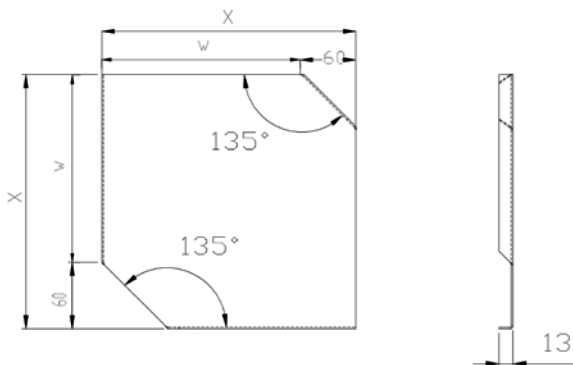
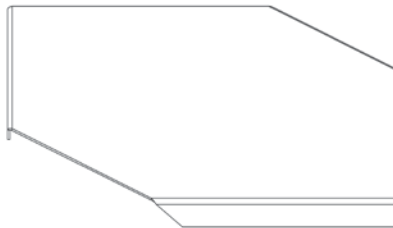
Order details: KRC/Width/AKK/Height/Thickness/Finish

Sample order details: KRC100AKK1312PG

### ■ Heavy Duty Horizontal Bend 90°



### ■ Heavy Duty Horizontal Bend 90° Cover



#### Heavy Duty Horizontal Bend 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100AKD10012	100	100	1.2	1.03
2.	KRC150AKD10012	150	100	1.2	1.32
3.	KRC200AKD10012	200	100	1.2	1.66
4.	KRC300AKD10015	300	100	1.5	3.10
5.	KRC400AKD10015	400	100	1.5	4.35
6.	KRC500AKD10015	500	100	1.5	5.85
7.	KRC600AKD10015	600	100	1.5	7.58
8.	KRC750AKD10020	750	100	2.0	14.00
9.	KRC900AKD10020	900	100	2.0	18.92

#### Heavy Duty Horizontal Bend 90° A/KD

Used to make a smooth, 90° horizontal change in cable tray direction to turn the tray system on the right or on the left on the same plane. Range of widths from 100mm to 900mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with horizontal bend use 24 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AKD/Height/Thickness/Finish

**Sample order details:** KRC100AKD10012PG

#### Heavy Duty Horizontal Bend 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100AKDK1312	100	13	1.2	0.25
2.	KRC150AKDK1312	150	13	1.2	0.45
3.	KRC200AKDK1312	200	13	1.2	0.68
4.	KRC300AKDK1315	300	13	1.5	1.61
5.	KRC400AKDK1315	400	13	1.5	2.62
6.	KRC500AKDK1315	500	13	1.5	3.86
7.	KRC600AKDK1315	600	13	1.5	5.33
8.	KRC750AKDK1320	750	13	2.0	10.65
9.	KRC900AKDK1320	900	13	2.0	15.00

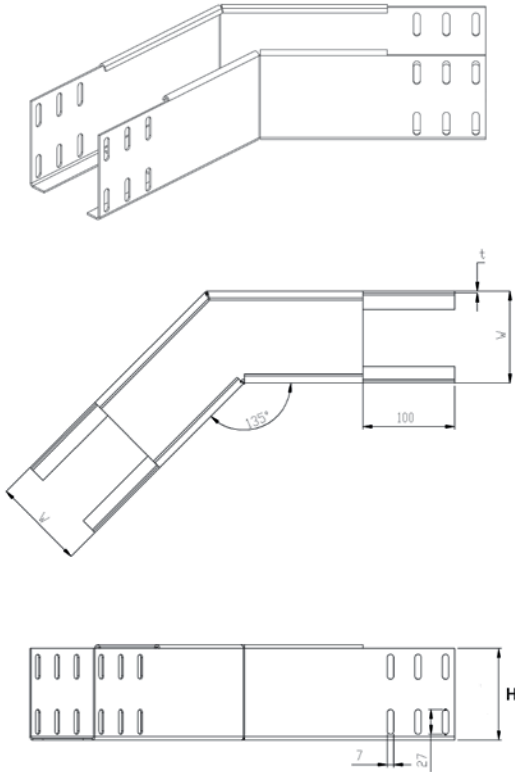
#### Heavy Duty Horizontal Bend 90° Cover A/KDK

Bend cover is used to cover the top of the 90° bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 3 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

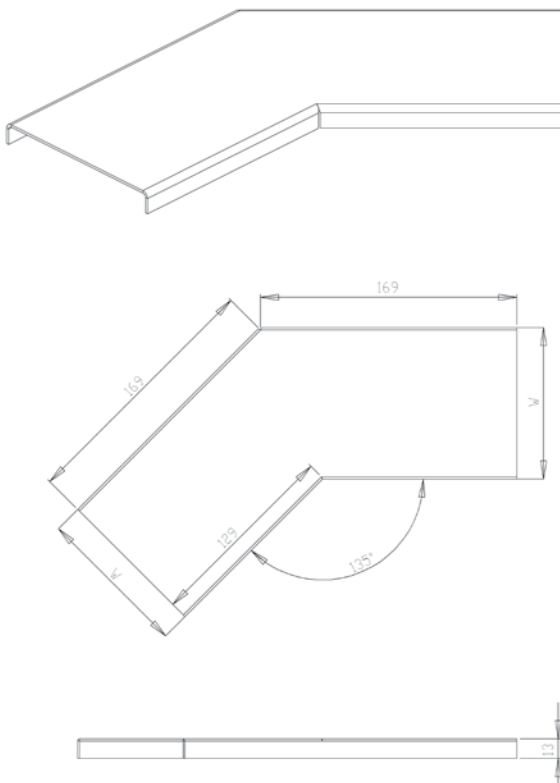
**Order details:** KRC/Width/AKDK/Height/Thickness/Finish

**Sample order details:** KRC100AKDK1312PG

### Heavy Duty Horizontal Bend 45°



### Heavy Duty Horizontal Bend 45° Cover



### Heavy Duty Horizontal Bend 45°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100AKD10012R45	100	100	1.2	1.36
2.	KRC150AKD10012R45	150	100	1.2	1.50
3.	KRC200AKD10012R45	200	100	1.2	1.82
4.	KRC300AKD10015R45	300	100	1.5	2.95
5.	KRC400AKD10015R45	400	100	1.5	3.70
6.	KRC500AKD10015R45	500	100	1.5	4.60
7.	KRC600AKD10015R45	600	100	1.5	5.40
8.	KRC750AKD10020R45	750	100	2.0	9.54
9.	KRC900AKD10020R45	900	100	2.0	12.00

### Heavy Duty Horizontal Bend 45° A/KD

Used to make a 45° horizontal change in cable tray direction to turn the tray system on the right or on the left on the same plane. Range of widths from 100 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with horizontal bend use 24 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AKD/Height/Thickness/R45/Finish

**Sample order details:** KRC100AKD10012R45PG

### Heavy Duty Horizontal Bend 45° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100AKDK1312R45	100	13	1.2	0.37
2.	KRC150AKDK1312R45	150	13	1.2	0.55
3.	KRC200AKDK1312R45	200	13	1.2	0.75
4.	KRC300AKDK1315R45	300	13	1.5	1.49
5.	KRC400AKDK1315R45	400	13	1.5	2.17
6.	KRC500AKDK1315R45	500	13	1.5	2.93
7.	KRC600AKDK1315R45	600	13	1.5	3.79
8.	KRC750AKDK1320R45	750	13	2.0	7.01
9.	KRC900AKDK1320R45	900	13	2.0	9.26

### Heavy Duty Horizontal Bend 45° Cover A/KDK

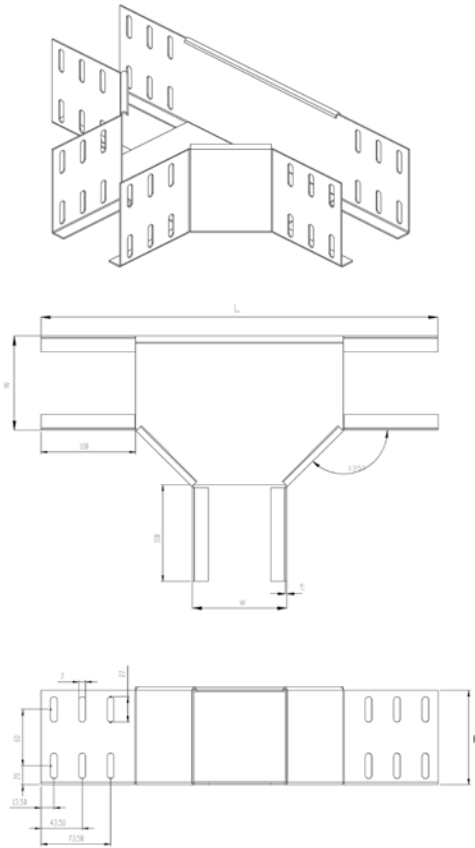
Bend cover is used to cover the top of the 45° bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/AKDK/Height/Thickness/R45/Finish

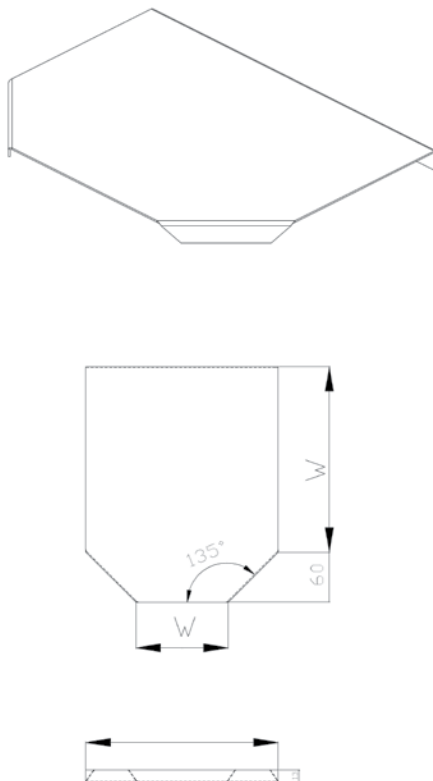
**Sample order details:** KRC100AKDK1312R45PG



### ■ Heavy Duty Tee Bend



### ■ Heavy Duty Tee Bend Cover



**Heavy Duty Tee Bend**

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100ATD10012	100	100	1.2	1.35
2.	KRC150ATD10012	150	100	1.2	1.61
3.	KRC200ATD10012	200	100	1.2	1.92
4.	KRC300ATD10015	300	100	1.5	3.30
5.	KRC400ATD10015	400	100	1.5	4.50
6.	KRC500ATD10015	500	100	1.5	5.95
7.	KRC600ATD10015	600	100	1.5	7.60
8.	KRC750ATD10020	750	100	2.0	14.00
9.	KRC900ATD10020	900	100	2.0	18.60

#### Heavy Duty Tee Bend A/TD

Tee bend is used to turn the tray system on the other way on the same plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with tee bend use 36 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/ATD/Height/Thickness/Finish

**Sample order details:** KRC100ATD10012PG

**Heavy Duty Tee Bend Cover**

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100ATDK1312	100	13	1.2	0.35
2.	KRC150ATDK1312	150	13	1.2	0.57
3.	KRC200ATDK1312	200	13	1.2	0.83
4.	KRC300ATDK1315	300	13	1.5	1.89
5.	KRC400ATDK1315	400	13	1.5	2.91
6.	KRC500ATDK1315	500	13	1.5	4.21
7.	KRC600ATDK1315	600	13	1.5	5.74
8.	KRC750ATDK1320	750	13	2.0	11.30
9.	KRC900ATDK1320	900	13	2.0	15.67

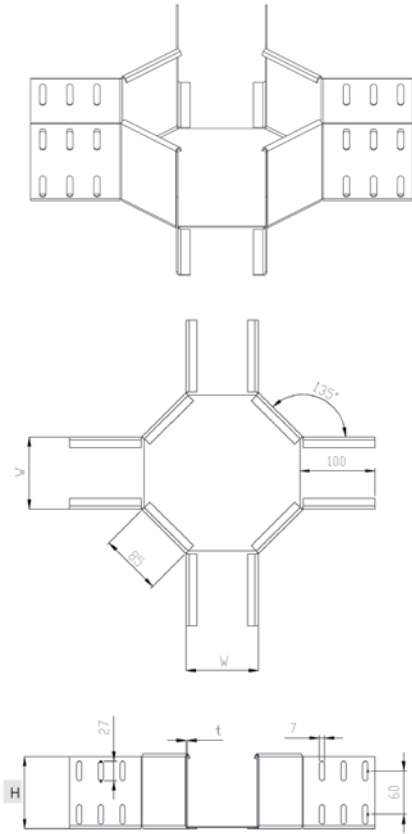
#### Heavy Duty Tee Bend Cover A/TDK

Tee bend cover is used to cover the top of the tee bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 3 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

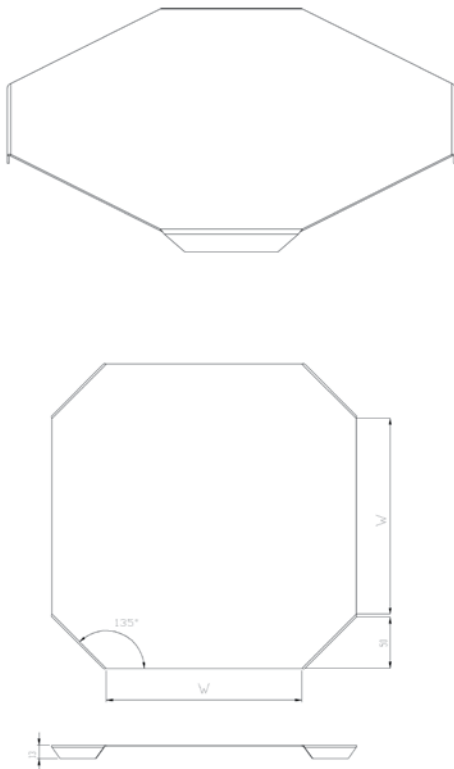
**Order details:** KRC/Width/ATDK/Height/Thickness/Finish

**Sample order details:** KRC100ATDK1312PG

### ■ Heavy Duty Crossover



### ■ Heavy Duty Crossover Cover



#### Heavy Duty Crossover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100ADD10012	100	100	1.2	1.55
2.	KRC150ADD10012	150	100	1.2	1.78
3.	KRC200ADD10012	200	100	1.2	2.06
4.	KRC300ADD10015	300	100	1.5	3.44
5.	KRC450ADD10015	400	100	1.5	4.55
6.	KRC500ADD10015	500	100	1.5	5.90
7.	KRC600ADD10015	600	100	1.5	7.48
8.	KRC750ADD10020	750	100	2.0	13.72
9.	KRC900ADD10020	900	100	2.0	18.18

#### Heavy Duty Crossover A/DD

Crossover is used to turn the tray system on the other way on the same plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with crossover use 48 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/ADD/Height/Thickness/Finish

**Sample order details:** KRC100ADD10012PG

#### Heavy Duty Crossover Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100ADDK1312	100	13	1.2	0.43
2.	KRC150ADDK1312	150	13	1.2	0.67
3.	KRC200ADDK1312	200	13	1.2	0.95
4.	KRC300ADDK1315	300	13	1.5	1.65
5.	KRC400ADDK1315	400	13	1.5	3.18
6.	KRC500ADDK1315	500	13	1.5	4.52
7.	KRC600ADDK1320	600	13	1.5	6.11
8.	KRC750ADDK1320	750	13	2.0	11.90
9.	KRC900ADDK1320	900	13	2.0	16.40

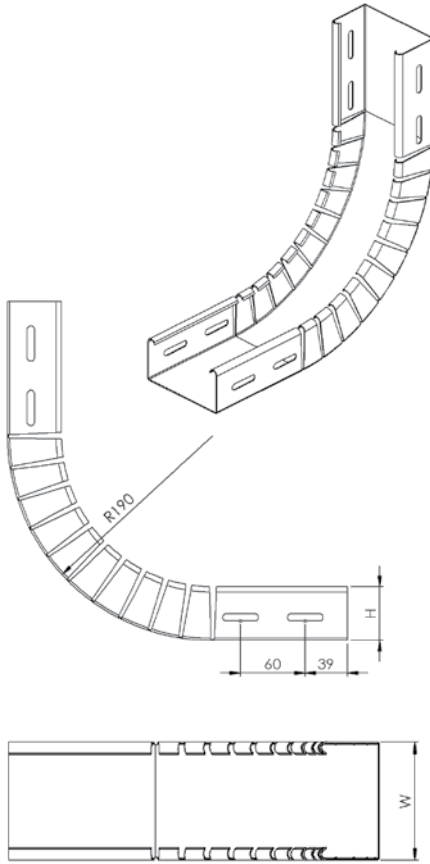
#### Heavy Duty Crossover Cover A/DDK

Crossover cover is used to cover the top of the crossover. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width/ADDK/Height/Thickness/Finish

**Sample order details:** KRC100ADDK1312PG

■ Heavy Duty Internal Riser 90°



Heavy Duty Internal Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100AID10012	100	100	1.2	1.29
2.	KRC150AID10012	150	100	1.2	1.55
3.	KRC200AID10012	200	100	1.2	1.81
4.	KRC300AID10015	300	100	1.5	2.90
5.	KRC400AID10015	400	100	1.5	3.55
6.	KRC500AID10015	500	100	1.5	4.19
7.	KRC600AID10015	600	100	1.5	4.84
8.	KRC750AID10020	750	100	2.0	7.71
9.	KRC900AID10020	900	100	2.0	9.00

**Heavy Duty Internal Riser 90° A/ID**

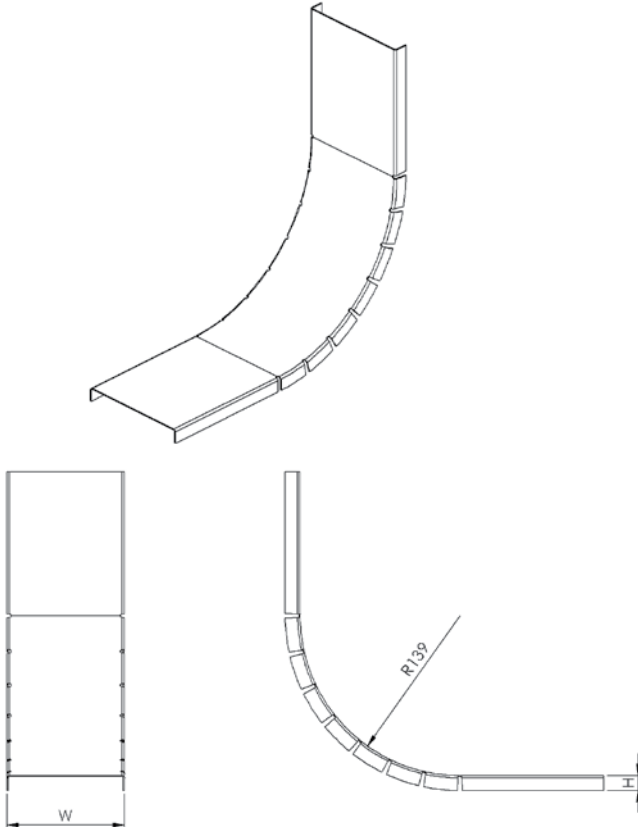
Internal riser is used to change the direction upward from the horizontal plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with riser use 4 straight connectors KRC100AEK10 and 16pcs. M6 x 16 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AID/Height/Thickness/Finish

**Sample order details:** KRC100AID10012PG

■ Heavy Duty Internal Riser 90° Cover



Heavy Duty Internal Riser 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100AIDK1312	100	13	1.2	0.45
2.	KRC150AIDK1312	150	13	1.2	0.64
3.	KRC200AIDK1312	200	13	1.2	0.82
4.	KRC300AIDK1315	300	13	1.5	1.48
5.	KRC400AIDK1315	400	13	1.5	1.94
6.	KRC500AIDK1315	500	13	1.5	2.40
7.	KRC600AIDK1315	600	13	1.5	2.87
8.	KRC750AIDK1320	750	13	2.0	4.74
9.	KRC900AIDK1320	900	13	2.0	5.66

**Heavy Duty Internal Riser 90° Cover A/IDK**

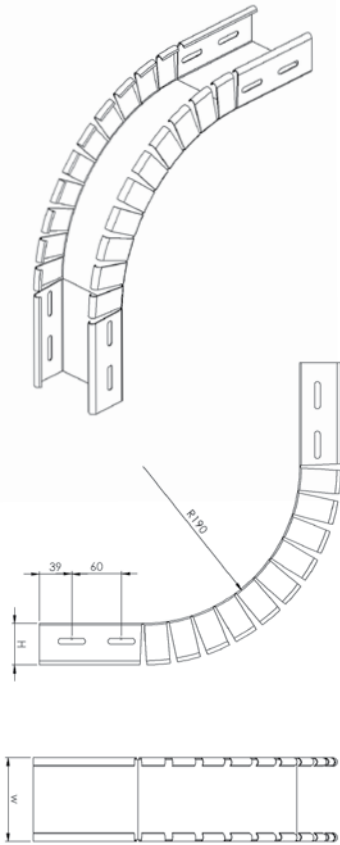
Internal riser cover is used to cover the top of the riser. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/AIDK/Height/Thickness/Finish

**Sample order details:** KRC100AIDK1312PG



■ Heavy Duty External Riser 90°



Heavy Duty External Riser 90°					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100AID10012	100	100	1.2	1.29
2.	KRC150AID10012	150	100	1.2	1.55
3.	KRC200AID10012	200	100	1.2	1.81
4.	KRC300AID10015	300	100	1.5	2.90
5.	KRC400AID10015	400	100	1.5	3.55
6.	KRC500AID10015	500	100	1.5	4.19
7.	KRC600AID10015	600	100	1.5	4.84
8.	KRC750AID10020	750	100	2.0	7.71
9.	KRC900AID10020	900	100	2.0	9.00

**Heavy Duty External Riser 90° A/ID**

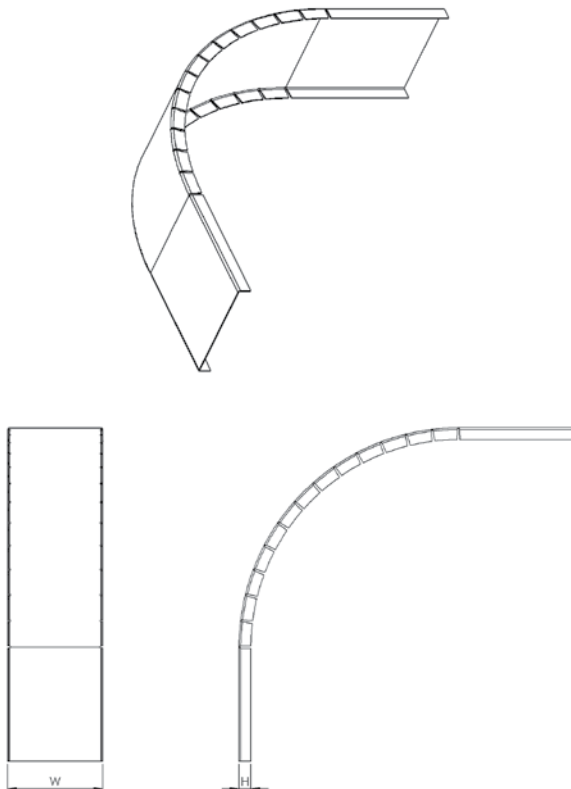
External riser is used to change the direction upward from the horizontal plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the heavy duty tray with riser use 4 straight connectors KRC100AEK10 and 16 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/AID/Height/Thickness/Finish

**Sample order details:** KRC100AID10012PG

■ Heavy Duty External Riser 90° Cover



Heavy Duty External Riser 90° Cover					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100AIDK1312	100	13	1.2	0.69
2.	KRC150AIDK1312	150	13	1.2	0.95
3.	KRC200AIDK1312	200	13	1.2	1.49
4.	KRC300AIDK1315	300	13	1.5	2.16
5.	KRC400AIDK1315	400	13	1.5	3.54
6.	KRC500AIDK1315	500	13	1.5	4.37
7.	KRC600AIDK1315	600	13	1.5	5.20
8.	KRC750AIDK1320	750	13	2.0	8.60
9.	KRC900AIDK1320	900	13	2.0	10.27

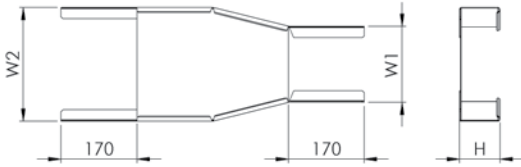
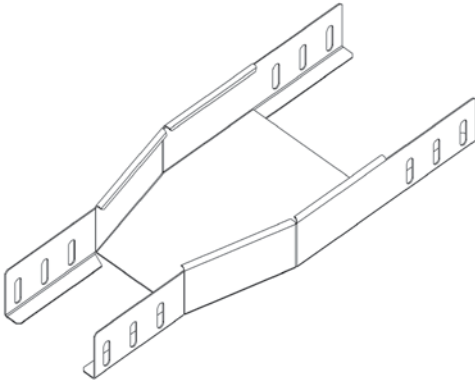
**Heavy Duty External Riser 90° Cover A/IDK**

Internal riser cover is used to cover the top of the riser. Range of widths from 50 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

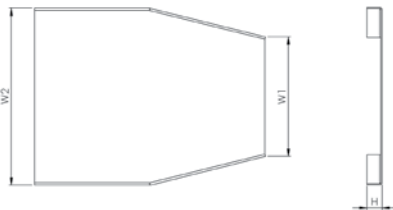
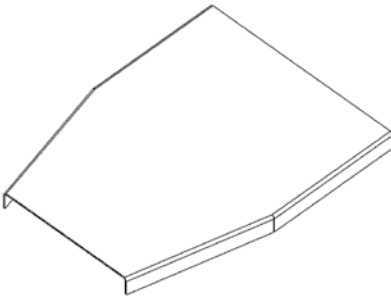
**Order details:** KRC/Width/AIDK/Height/Thickness/Finish

**Sample order details:** KRC100AIDK1312PG

### Heavy Duty Reducer



### Heavy Duty Reducer Cover



#### Heavy Duty Reducer

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100150ARD10012	100	150	100	1.2	1.10
2.	KRC150200ARD10012	150	200	100	1.2	1.20
3.	KRC200300ARD10012	200	300	100	1.2	1.38
4.	KRC300400ARD10015	300	400	100	1.5	1.96
5.	KRC400500ARD10015	400	500	100	1.5	2.20
6.	KRC500600ARD10015	500	600	100	1.5	2.43
7.	KRC600750ARD10015	600	750	100	2.0	3.70
8.	KRC750900ARD10020	750	900	100	2.0	4.17

#### Heavy Duty Reducer A/RD

Standard reducer is used to reduce the width of the trays, keeping an equal width reduction along both sides in cable tray systems. Range of widths from 100 mm to 900 mm. Left hand reducers and right hand reducers are available. Please specify the dimensions of W1, W2 with your order. For more details please contact our Sales Team.

**Mounting:** To connect the heavy duty tray with reduce use 24 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width1/Width2/ARD/Height/Thickness/Finish  
**Sample order details:** KRC100150ARD10012PG

#### Heavy Duty Reducer Cover

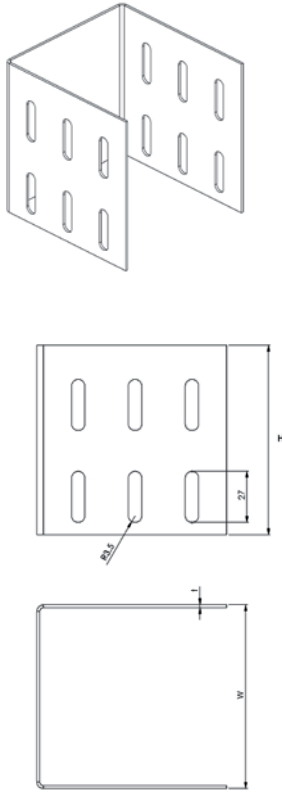
No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100150ARDK1312	100	150	13	1.2	0.32
2.	KRC150200ARDK1312	150	200	13	1.2	0.40
3.	KRC200300ARDK1312	200	300	13	1.2	0.57
4.	KRC300400ARDK1315	300	400	13	1.5	0.76
5.	KRC400500ARDK1315	400	500	13	1.5	1.19
6.	KRC500600ARDK1315	500	600	13	1.5	1.42
7.	KRC600750ARDK1315	600	750	13	2.0	2.34
8.	KRC750900ARDK1320	750	900	13	2.0	2.80

#### Heavy Duty Reducer Cover A/RDK

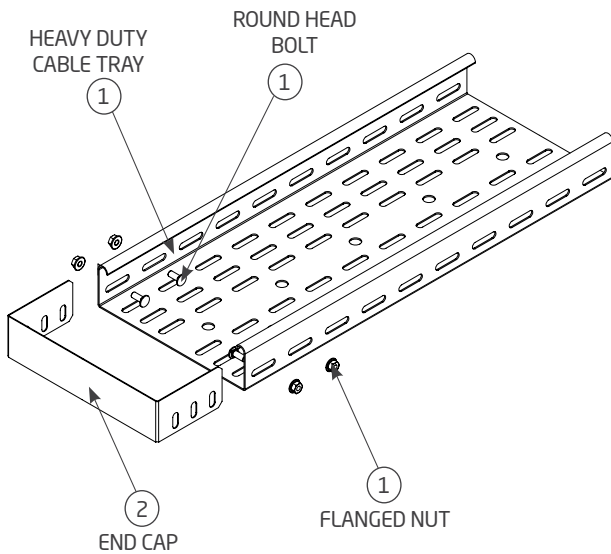
Reducer cover is used to cover the top of the reducer. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 2 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width1/Width2/ARDK/Height/Thickness/Finish  
**Sample order details:** KRC100150ARDK1312PG

### ■ Heavy Duty End Cap



### ■ Installation Overview



#### Heavy Duty End Cap H:50 mm

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050KS5010	50	50	1.0	0.08
2.	KRC075KS5010	75	50	1.0	0.09
3.	KRC100KS5010	100	50	1.0	0.10
4.	KRC150KS5010	150	50	1.0	0.12
5.	KRC200KS5010	200	50	1.0	0.14
6.	KRC300KS5015	300	50	1.5	0.26
7.	KRC400KS5015	400	50	1.5	0.32
8.	KRC500KS5015	500	50	1.5	0.37
9.	KRC600KS5015	600	50	1.5	0.43
10.	KRC750KS5020	750	50	2.0	0.68
11.	KRC900KS5020	900	50	2.0	0.79

#### Heavy Duty End Cap H:75 mm

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075KS7510	75	75	1.0	0.14
2.	KRC100KS7510	100	75	1.0	0.16
3.	KRC150KS7510	150	75	1.0	0.19
4.	KRC200KS7510	200	75	1.0	0.21
5.	KRC300KS7515	300	75	1.5	0.40
6.	KRC400KS7515	400	75	1.5	0.49
7.	KRC500KS7515	500	75	1.5	0.57
8.	KRC600KS7515	600	75	1.5	0.66
9.	KRC750KS7520	750	75	2.0	1.05
10.	KRC900KS7520	900	75	2.0	1.22

#### Heavy Duty End Cap H:100 mm

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100KS10010	100	100	1.0	0.20
2.	KRC150KS10010	150	100	1.0	0.25
3.	KRC200KS10010	200	100	1.0	0.28
4.	KRC300KS10015	300	100	1.5	0.54
5.	KRC400KS10015	400	100	1.5	0.65
6.	KRC500KS10015	500	100	1.5	0.71
7.	KRC600KS10015	600	100	1.5	0.88
8.	KRC750KS10020	750	100	2.0	1.40
9.	KRC900KS10020	900	100	2.0	1.63

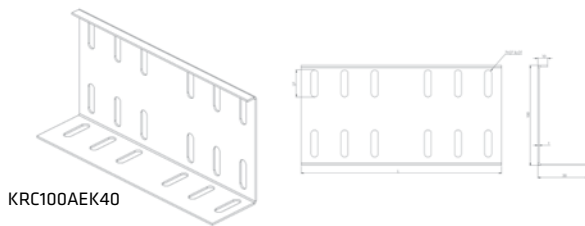
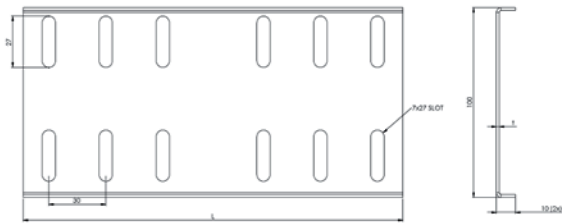
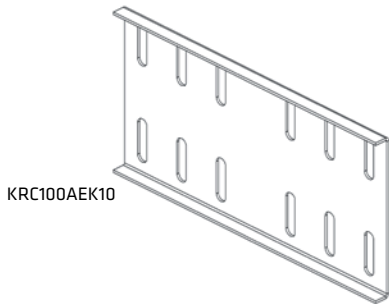
#### Heavy Duty End Cap KS

End Caps provide an excellent termination of opening end of the tray. Available for all cable trays and cable ladders. For moutage M6x15 round head bolts and M6 flanged nuts are used.

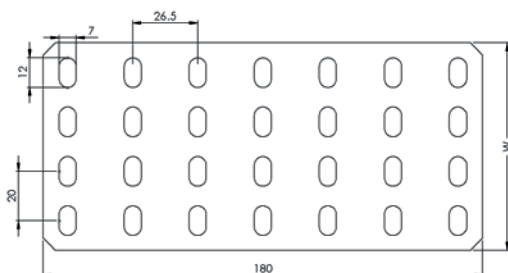
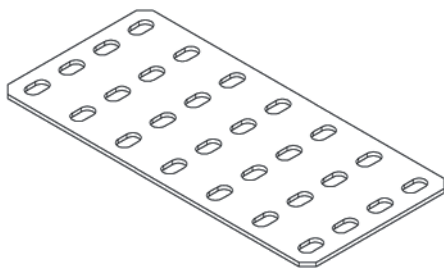
Order details: KRC/Widht/KS/Height/Thickness/Finish

Sample order details: KRC050KS5010PG

### ■ Heavy Duty Coupler



### ■ Fish Plate



### Heavy Duty Coupler

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AEK10	180	50	1.5	0.14
2.	KRC050AEK40	180	50	1.5	0.22
3.	KRC075AEK10	180	75	1.5	0.20
4.	KRC075AEK40	180	75	1.5	0.28
5.	KRC100AEK10	180	100	1.5	0.25
6.	KRC100AEK40	180	100	1.5	0.33

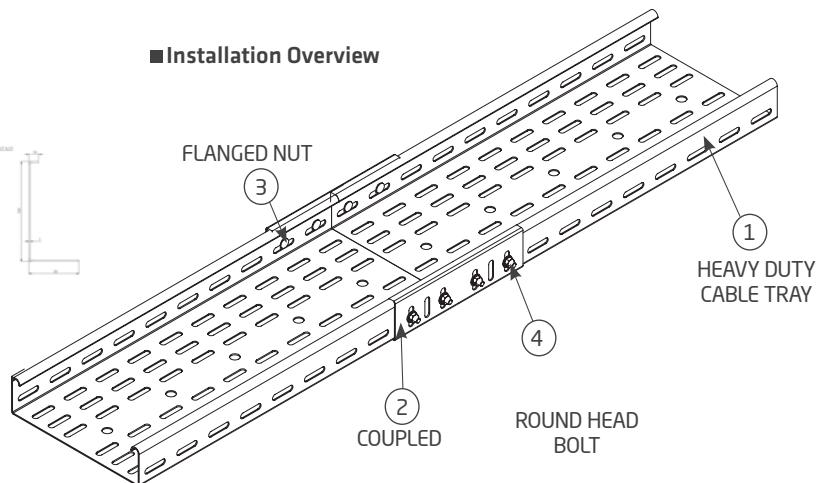
### Heavy Duty Coupler A/EK

Couplers are used to connect the tray with tray or tray with internal/external raiser. All Heavy Duty Cable Tray couplers are supplied separately, already completed with required fasteners (M6x15 round head bolt and M6 flanged nut). For wider widths (300 mm, 400 mm, 500 mm, 600 mm, 750 mm, 900 mm) to support the base, fishplate couplers can be used.

Order details: KRC/AEK/Height/Finish

Sample order details: KRC100AEK10PG

### ■ Installation Overview



### Fish Plate

No	PRODUCT CODE	WIDTH (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050AFP10	50	1.0	0.05
2.	KRC075AFP10	75	1.0	0.08
3.	KRC100AFP10	100	1.0	0.10
4.	KRC150AFP10	150	1.0	0.16
5.	KRC200AFP12	200	1.2	0.26
6.	KRC300AFP12	300	1.2	0.39
7.	KRC400AFP15	400	1.5	0.66
8.	KRC500AFP15	500	1.5	0.83
9.	KRC600AFP15	600	1.5	1.00
10.	KRC750AFP20	750	2.0	1.68
11.	KRC900AFP20	900	2.0	2.00

### Fish Plate A/FP

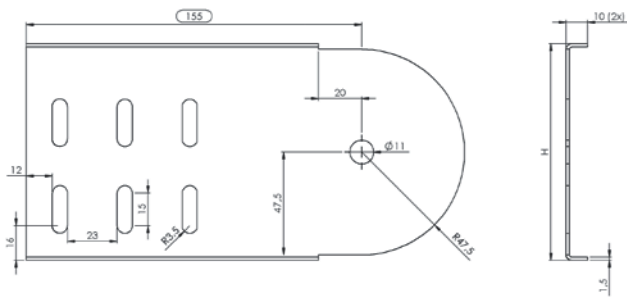
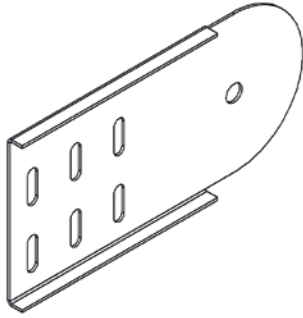
Fish Plate is used to support the base of the tray.

Order details: KRC/Width/A/FP/Thickness/Finish

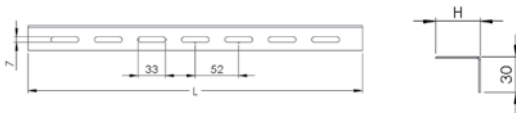
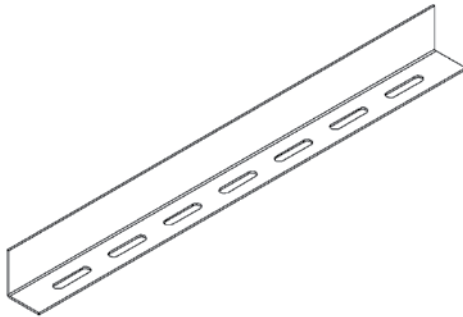
Sample order details: KRC050AFP10PG



### Heavy Duty Adjustable Coupler



### Separator



#### Heavy Duty Adjustable Coupler

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050SDE	50	1.5	0.10
2.	KRC075SDE	75	1.5	0.14
3.	KRC100SDE	100	1.5	0.18

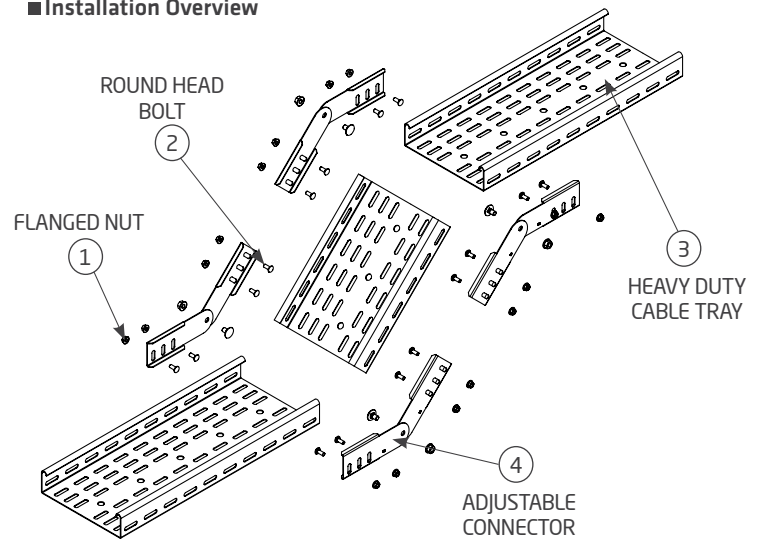
#### Adjustable Coupler SDE

Adjustable Couplers are used to make random-angle connections between sections of tray. A grounding strap is recommended for electrical continuity.

Order details: KRC/Height/SDE/Finish

Sample order details: KRC050SDEPG

#### Installation Overview



#### Separator

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCASEP5015	50	1.5	2.60
2.	KRCASEP7515	75	1.5	3.50
3.	KRCASEP10015	100	1.5	4.50

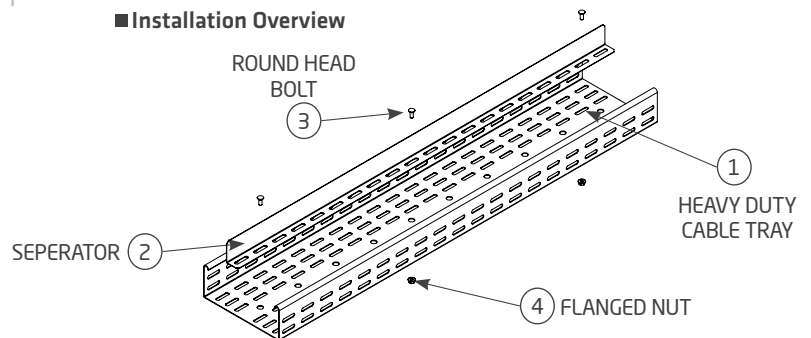
#### Cable Tray Separator A/SEP

Tray Separators are mostly used for separation purposes / cables ect. The standard length of separator is 3000 mm. For fixing M6x15 round head bolts and M6 flanged nut are used (min. 3 fixings required per fitting separator).

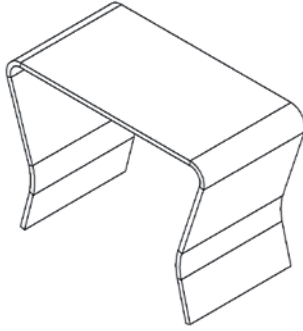
Order details: KRC/A/SEP/Height/Thickness/Finish

Sample order details: KRCASEP5015PG

#### Installation Overview



### ■ Heavy Duty Cover Clips



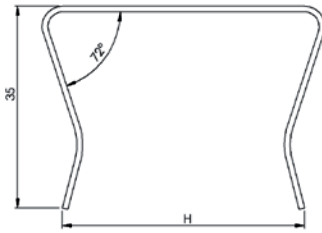
Heavy Duty Cover Clips				
No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050KLP	50	1.2	0.06
2.	KRC075KLP	75	1.2	0.07
3.	KRC100KLP	100	1.2	0.08

#### Heavy Duty Cover Clips KLP

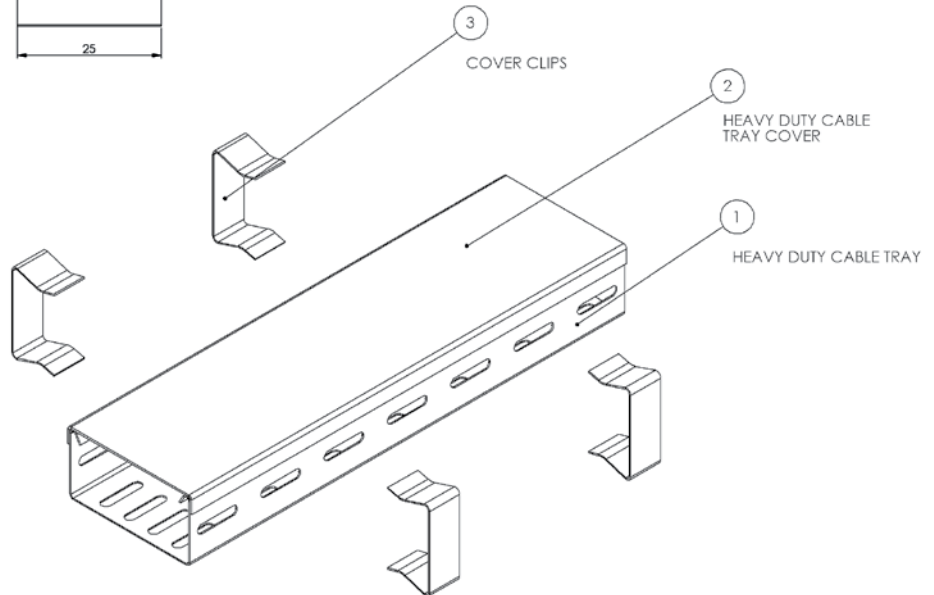
Cover clips are used to attached the cover to the tray.

Order details: KRC/Height/KLP/Finish

Sample order details: KRC100KLPPG



### ■ Installation Overview



## PRODUCT INFORMATION

Cable Ladder is used for installation of power cables into heavy cable distributions of power station and main power station of buildings. The standard length of cable ladder is 3000 mm, available in 100 mm to 900 mm widths, with the side height of 50 mm, 75 mm, 100 mm. Cable Ladders are suited for application where heavy cable loads are to be supported over medium to heavy spans.

### DIMENSIONS:

**Width:** 100 mm, 150 mm, 200 mm, 300 mm, 400 mm, 500 mm, 600mm, 750 mm, 900 mm

**Height:** 50 mm, 75 mm, 100 mm

**Length:** 3000 mm (*Available in 2440 mm length*)

**Thickness:** 1.5 mm to 2.0 mm (All Cable Ladders are available in the following thicknesses: 1.0 mm, 1.2 mm, 1.5 mm, 2.00 mm)

*\*special sizes upon request.*

## FINISHES

### STANDARD FINISHES:

PG Pre-Galvanized steel to BS EN 10327 grade DX51D+Z100 finish  
HDG Hot Dip Galvanized after manufacturer to BS EN ISO 1461

### ADDITIONAL FINISHES (*upon request*):

SL Stainless Steel to BS EN 10088 No. 1:4301 (grade: SSL 304),  
No. 1.4404 (grade:SSL316).

PC Electrostatic Powder Coated followed by RAL color specification.

The powder coated finishes are very tough and durable that's why they provide relatively high corrosion protection. Special paint coatings are available on request.

*For more details please refer to our Sales Team.*



# CABLE LADDER

## SELECTION RANGE:

Cable Ladder  
Cable Ladder Cover  
Connector  
Horizontal Bend 45°  
Horizontal Bend 90°  
Reducer

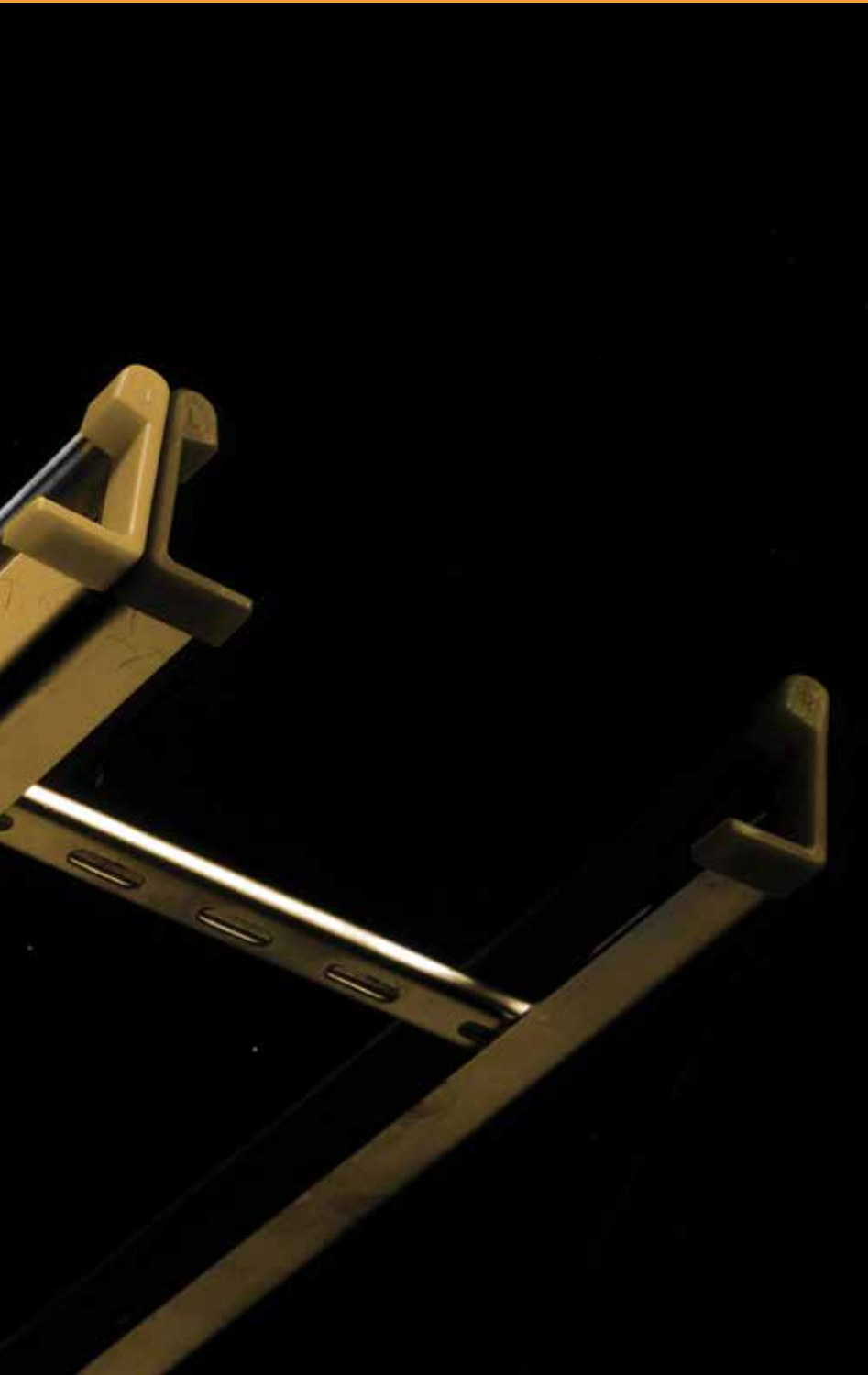
Tee Bend  
Crossover  
Internal Riser  
External Risers  
End Cap

*All Cable Ladders are available with accessories and covers*

**Cable Ladder H:50 mm p.54**

**Cable Ladder H:75 mm p.62**

**Cable Ladder H:100 mm p.70**





# CABLE LADDER SPECIFICATIONS

## A - Cable Ladder Design

- Cable Ladders should be made of straight sections, accessories and fitting as defined in BS 61537 and IEC 61537 standards.
- The cable ladders shall be supplied fully assembled with preparations for connections to straight sections or accessories.
  - The cable ladders shall be smooth free from all sharp edges.
  - Tray accessories are accurately formed to close tolerances and all edges rounded.
  - The rail sections of the cable ladder shall be parallel and continuous. The wall thickness shall not be less than 1.5mm thick.
  - Rung shall be spaced at 300 mm nominal centers welded to the rail sections by approved procedures.
  - Ladder accessories shall be made of the same material as the cable tray whenever possible.
  - The cable ladders system shall be manufactured according to the following standards: Pre-Galvanized finishes to BS EN 10327, Hot Dip Galvanized finishes to BS EN 1461

## B - Cable Ladder Dimensions

Cable Ladder is used for installation of power cables into heavy cable distributions of power station and main power station of buildings. The standard length of cable ladder is 3000 mm, available in 100 mm to 900 mm widths, with the side height of 50 mm to 100 mm. Cable Ladders are suited for application where heavy cable loads are to be supported over medium to heavy spans.

**Width:** 100 mm, 150 mm, 200 mm, 300 mm, 400 mm, 500 mm, 600 mm, 750 mm, 900 mm

**Height:** 50 mm, 75 mm, 100 mm

**Length:** 3000 mm (Available in 2440 mm length)

**Thickness:** The cable ladders shall have the minimum thickness as follows: 1.5mm for ladders of widths 100 mm to 200 mm; 2.0 mm for ladder of widths 300 mm and 900 mm.

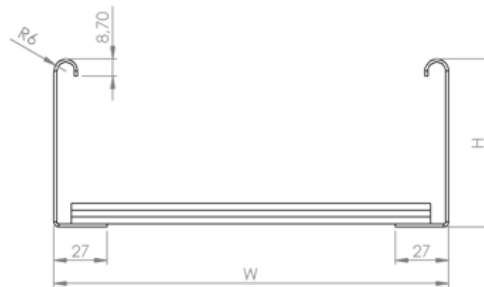
Special sizes are upon request. All Cable Ladders are available with accessories and covers. For more details please consult our Sales Team.

## C- Side Heights

Kıraç Metal cable ladders are available in the following side wall heights: 50 mm, 75 mm, 100 mm. Additional wall heights are upon request. For more details please contact our Sales Team.

## D - Profiles

Cable Ladders H: 50 mm, 75 mm, 100 mm



## E - Cable Ladder Accessories Radius

Accessories are available in the following standard radiuses: 45° and 90°. Other radiuses 300°, 450° and 600° are available upon request. For more details please consult our Sales Team.

## F-Material Thicknesses

The standard range of material thickness for all Kıraç Metal cable ladders and accessories was determined by providing the most cost effective thickness for each material type. The following table shows the standard material thickness for each cable ladder type. *The cable ladder shall have a minimum thickness as follows:*

### Cable Ladders

1.5 mm for ladder of widths 100 mm to 200 mm  
2.0 mm for ladder of widths 300 mm and 900 mm

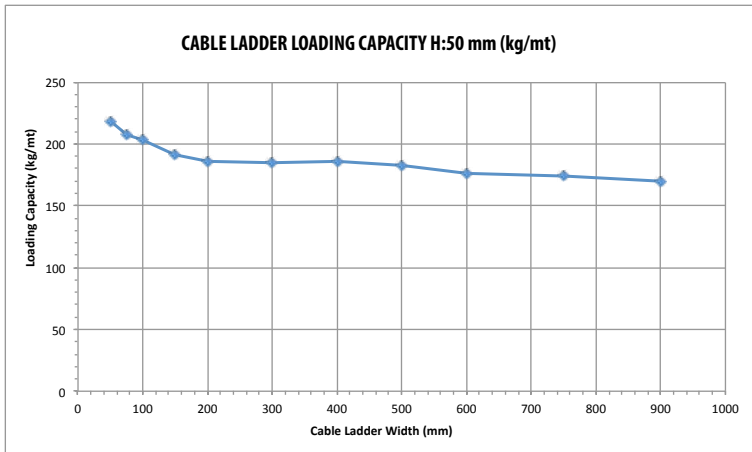
Product Name	Width (mm)	Material Thickness	
		GI Mild Steel (mm)	Hot Dip Galvanized Mild Steel (mm)
Cable Ladder & Accessories	100 150 200	1.5	1.5
	H:50 mm H:75 mm H:100 mm 300 400 500 600 750 900	2.0	2.0

## G- Fixings for Cable Ladders and Accessories

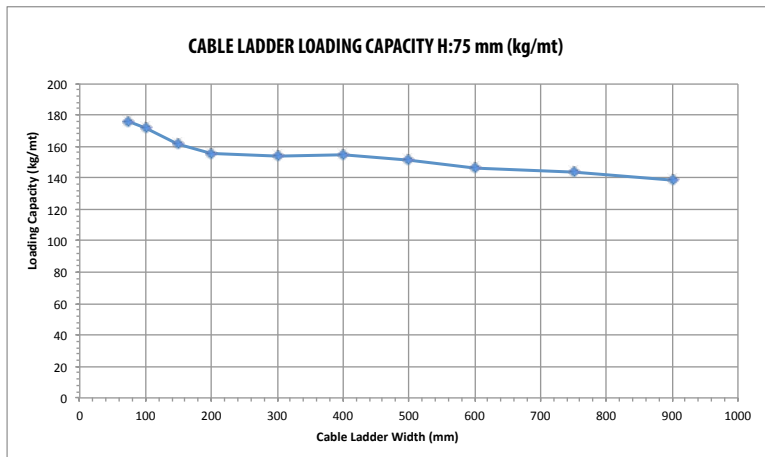
The standard cable ladder fixing elements comprise of M6x15 round head bolts and M6 flanged nut.

## H - Loading Capabilities

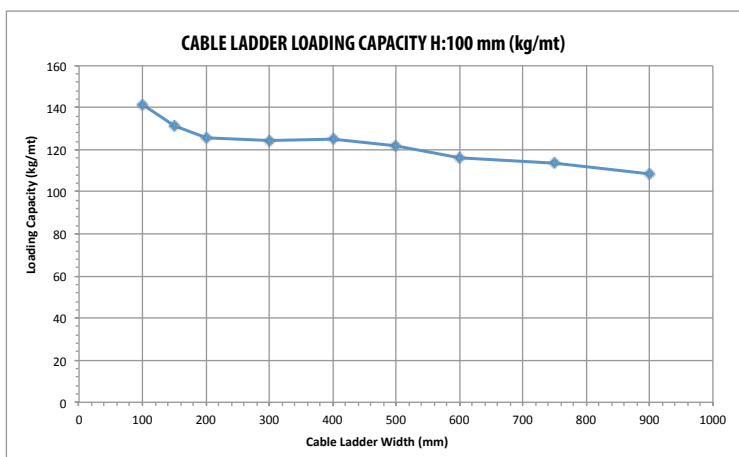
Cable Ladders shall meet the load / span designation in accordance with IEC 61537



CABLE LADDER H:50 mm			
WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LOADING CAPACITY (kg/mt)
100	50	1.5	202.7
150	50	1.5	191.4
200	50	1.5	185.9
300	50	2.0	184.3
400	50	2.0	186.2
500	50	2.0	182.6
600	50	2.0	176.1
750	50	2.0	174.5
900	50	2.0	169.9
900	75	2.0	98.7



CABLE LADDER H:75 mm			
WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LOADING CAPACITY (kg/mt)
100	75	1.5	171.7
150	75	1.5	161.5
200	75	1.5	155.8
300	75	2.0	154.2
400	75	2.0	155.1
500	75	2.0	151.7
600	75	2.0	145.9
750	75	2.0	143.6
900	75	2.0	138.4
750	75	2.0	110.4
900	75	2.0	98.7



CABLE LADDER H:100 mm			
WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LOADING CAPACITY (kg/mt)
100	100	1.5	141.7
150	100	1.5	131.5
200	100	1.5	125.8
300	100	2.0	124.2
400	100	2.0	125.1
500	100	2.0	121.7
600	100	2.0	115.9
750	100	2.0	113.6
900	100	2.0	108.4
900	75	2.0	138.4
750	75	2.0	110.4
900	75	2.0	98.7

## Installation System Overview

Kıraç Metal offers a wide variety of wall brackets, cantilevers, profiles and hangers with various weight bearing capabilities depending on the type and size of the tray system.



Ceiling L Support System  
*See details p. 106*



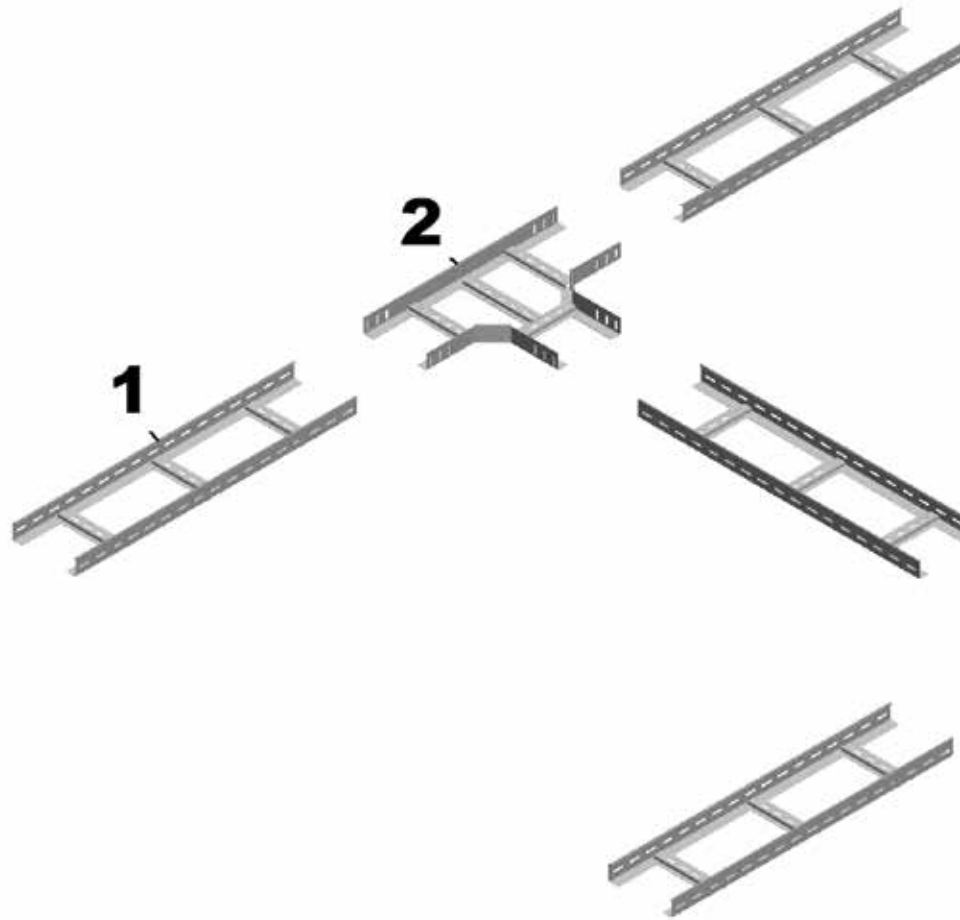
Ceiling U Support System  
*See details p. 108*



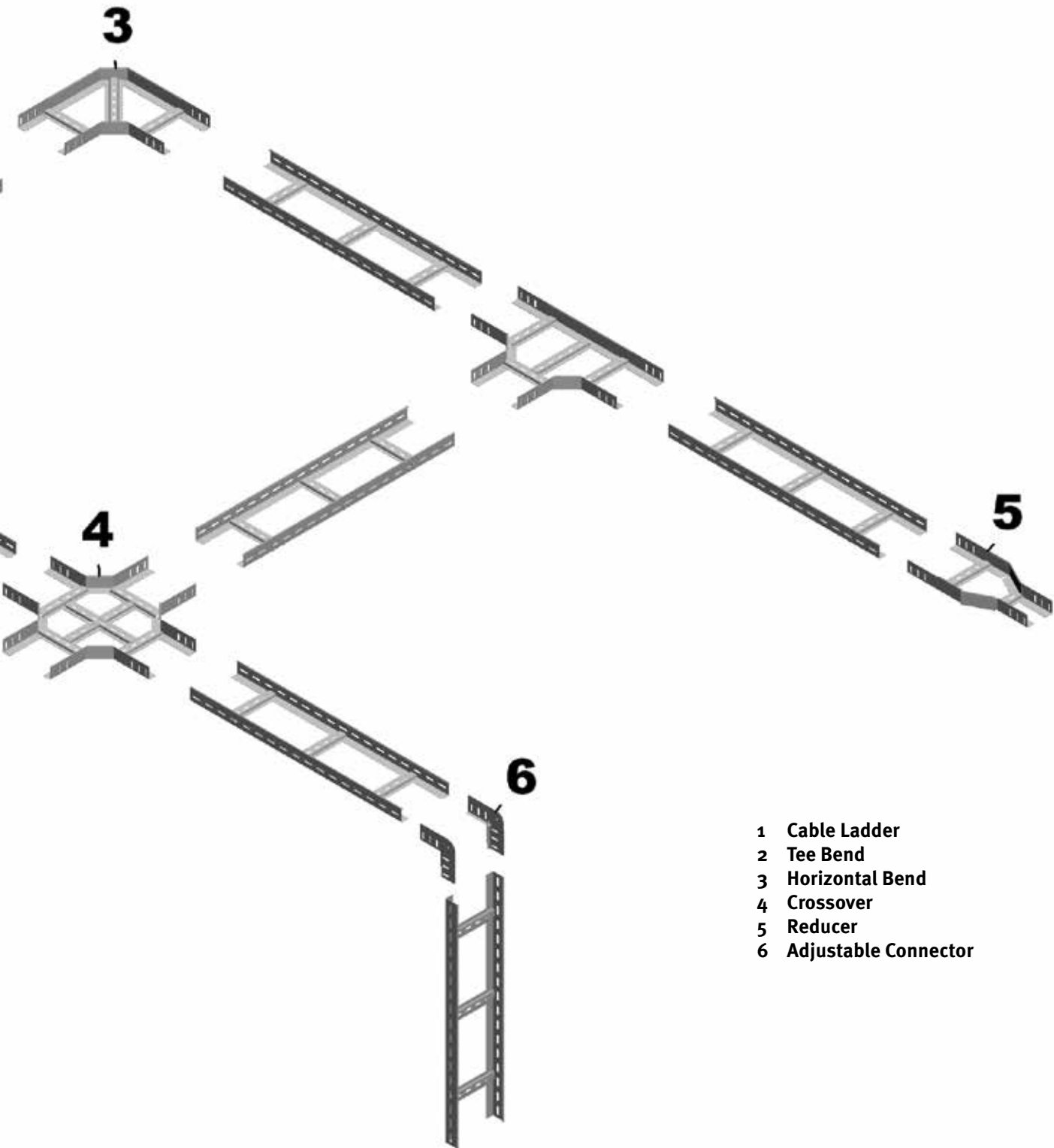
Wall Support System  
*See details p. 110*



I80 Support System  
*See details p. 116*



## Cable Ladders



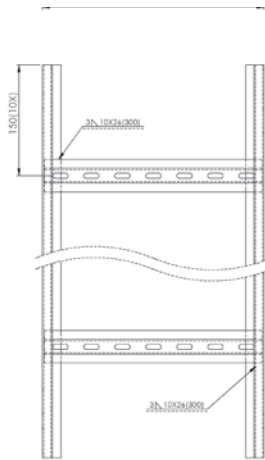
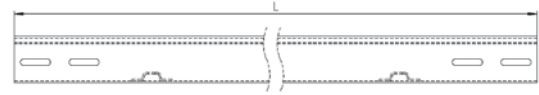
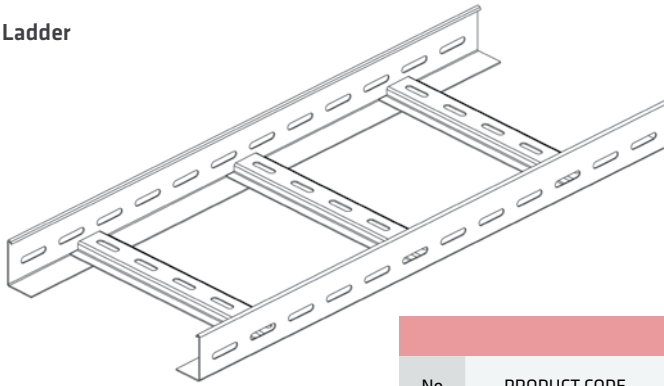
- 1 Cable Ladder
- 2 Tee Bend
- 3 Horizontal Bend
- 4 Crossover
- 5 Reducer
- 6 Adjustable Connector



## 50 mm KRC CABLE LADDER

KRC WIDTH [mm] MK HEIGHT [mm] THICKNESS [mm] FINISH code explanation

### ■ Cable Ladder



Cable Ladder						
No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC100MK5015	100	3000	50	1.5	1.88
2.	KRC150MK5015	150	3000	50	1.5	1.97
3.	KRC200MK5015	200	3000	50	1.5	2.06
4.	KRC300MK5020	300	3000	50	2.0	3.00
5.	KRC400MK5020	400	3000	50	2.0	3.25
6.	KRC500MK5020	500	3000	50	2.0	3.50
7.	KRC600MK5020	600	3000	50	2.0	3.75
8.	KRC750MK5020	750	3000	50	2.0	4.12
9.	KRC900MK5020	900	3000	50	2.0	4.48

### Cable Ladder MK

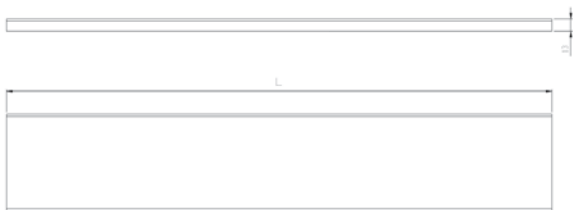
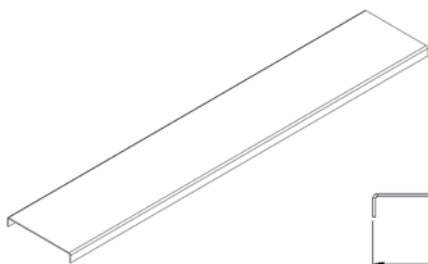
For each cable ladder, 2 straight connectors KRC050MEK10 must be ordered separately, 8 pcs. M6x15 round head bolt and M6 flanged nut are used.

\*Available in 2440 mm length.

Order details: KRC/Width/MK/Height/Thickness/Finish

Sample order details: KRC100MK5015PG

### ■ Cable Ladder Cover



Cable Ladder Cover						
No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC100MCK1310	100	3000	13	1.0	1.00
2.	KRC150MCK1310	150	3000	13	1.0	1.39
3.	KRC200MCK1312	200	3000	13	1.2	2.14
4.	KRC300MCK1312	300	3000	13	1.2	3.09
5.	KRC400MCK1315	400	3000	13	1.5	5.00
6.	KRC500MCK1315	500	3000	13	1.5	6.23
7.	KRC600MCK1315	600	3000	13	1.5	7.41
8.	KRC750MCK1320	750	3000	13	2.0	12.25
9.	KRC900MCK1320	900	3000	13	2.0	14.61

### Cable Ladder Cover MKK

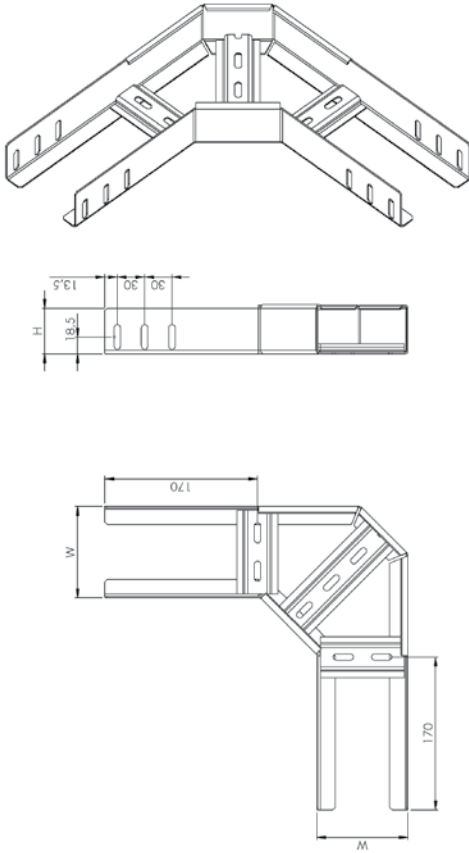
Cable Ladder Cover is used to cover the top of the ladder, providing mechanical and environmental protection for installed cables in cable ladder system. Range of widths from 100 mm to 900 mm, standard height is 13mm and length 3000 mm. For each cover, 6 pcs. KRC050KLP cover clips are required. M6 x 15 round head round bolt is used. Cover clips are not provided and should be ordered separately.

\*Available in 2440 mm length.

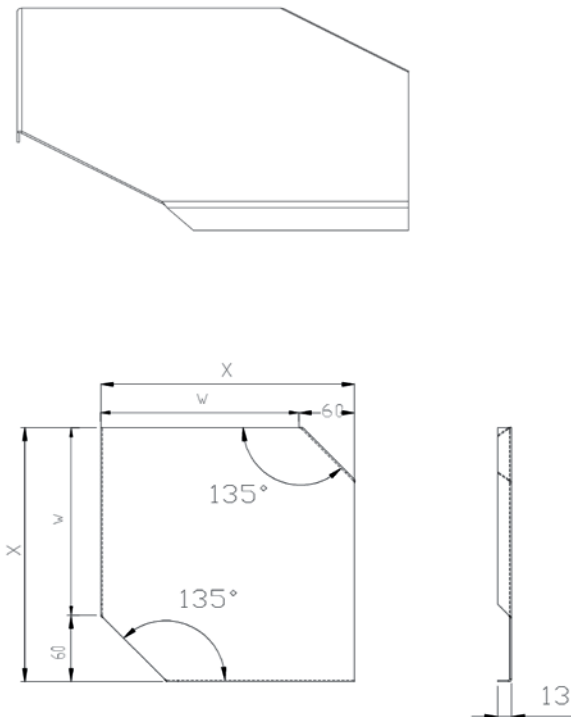
Order details: KRC/Width/MKK/Height/Thickness/Finish

Sample order details: KRC100MCK1310PG

### ■ Cable Ladder Horizontal Bend 90°



### ■ Cable Ladder Horizontal Bend 90° Cover



### Cable Ladder Horizontal Bend 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKD5015	100	50	1.5	1.06
2.	KRC150MKD5015	150	50	1.5	1.26
3.	KRC200MKD5015	200	50	1.5	1.46
4.	KRC300MKD5020	300	50	2.0	2.48
5.	KRC400MKD5020	400	50	2.0	3.00
6.	KRC500MKD5020	500	50	2.0	3.54
7.	KRC600MKD5020	600	50	2.0	4.07
8.	KRC750MKD5020	750	50	2.0	4.87
9.	KRC900MKD5020	900	50	2.0	5.65

### Cable Ladder Horizontal Bend 90° M/KD

Used to make a smooth, 90° horizontal change in cable ladder direction to turn the ladder system on the right or on the left on the same plane. Range of widths from 100 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with horizontal bend use 12 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MKD/Height/Thickness/Finish

**Sample order details:** KRC100MKD5015PG

### Cable Ladder Horizontal Bend 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKDK1310	100	13	1.0	0.21
2.	KRC150MKDK1310	150	13	1.0	0.37
3.	KRC200MKDK1312	200	13	1.2	0.68
4.	KRC300MKDK1312	300	13	1.2	1.29
5.	KRC400MKDK1315	400	13	1.5	2.62
6.	KRC500MKDK1315	500	13	1.5	3.86
7.	KRC600MKDK1315	600	13	1.5	5.33
8.	KRC750MKDK1320	750	13	2.0	10.65
9.	KRC900MKDK1320	900	13	2.0	14.95

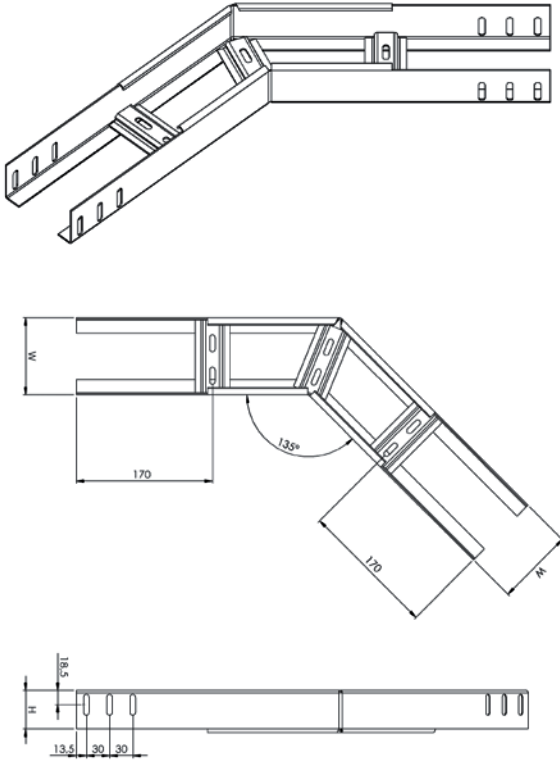
### Cable Ladder Horizontal Bend 90° Cover M/KDK

Bend cover is used to cover the top of the 90° bend. Range of widths from 100 mm to 900 mm, standard height is 13mm. For each cover, 4 pcs. KRC050KLPcover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MKDK/Height/Thickness/Finish

**Sample order details:** KRC100MKDK1310PG

### ■ Cable Ladder Horizontal Bend 45°



#### Cable Ladder Horizontal Bend 45°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKD5015R45	100	50	1.5	1.26
2.	KRC150MKD5015R45	150	50	1.5	1.39
3.	KRC200MKD5015R45	200	50	1.5	1.52
4.	KRC300MKD5020R45	300	50	2.0	2.40
5.	KRC400MKD5020R45	400	50	2.0	2.76
6.	KRC500MKD5020R45	500	50	2.0	3.12
7.	KRC600MKD5020R45	600	50	2.0	3.48
8.	KRC750MKD5020R45	750	50	2.0	4.00
9.	KRC900MKD5020R45	900	50	2.0	4.55

#### Cable Ladder Horizontal Bend 45° M/KD

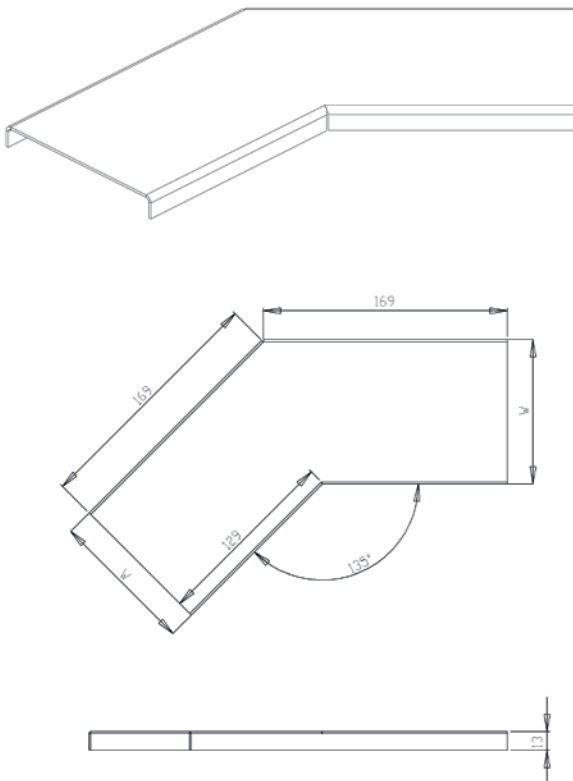
Used to make a 45° horizontal change in cable ladder direction to turn the ladder system on the right or on the left on the same plane. Range of widths from 100 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with horizontal bend use 12 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MKD/Height/Thickness/R45/Finish

**Sample order details:** KRC100MKD5015R45PG

### ■ Cable Ladder Horizontal Bend 45° Cover



#### Cable Ladder Horizontal Bend 45° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKDK1310R45	100	13	1.0	0.31
2.	KRC150MKDK1310R45	150	13	1.0	0.46
3.	KRC200MKDK1312R45	200	13	1.2	0.75
4.	KRC300MKDK1312R45	300	13	1.2	1.20
5.	KRC400MKDK1315R45	400	13	1.5	2.17
6.	KRC500MKDK1315R46	500	13	1.5	2.93
7.	KRC600MKDK1315R45	600	13	1.5	3.79
8.	KRC750MKDK1320R45	750	13	2.0	7.01
9.	KRC900MKDK1320R45	900	13	2.0	9.26

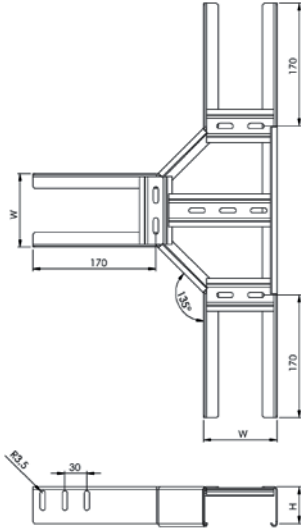
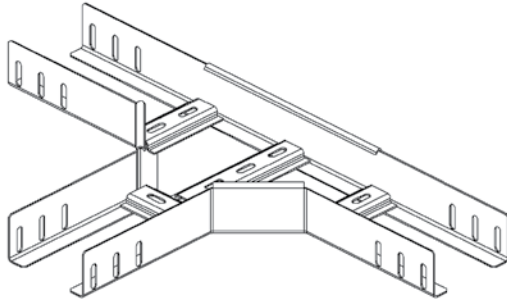
#### Cable Ladder Horizontal Bend 45° Cover M/KDK

Bend cover is used to cover the top of the 45° bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC050KLPcover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

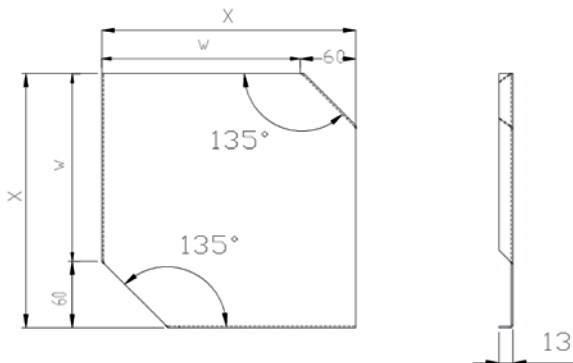
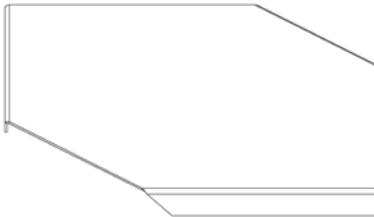
**Order details:** KRC/Width/MKDK/Height/Thickness/R45/Finish

**Sample order details:** KRC100MKDK1310R45PG

### ■ Cable Ladder Tee Bend



### ■ Cable Ladder Tee Bend Cover



#### Cable Ladder Tee Bend

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MTD5015	100	50	1.5	1.40
2.	KRC150MTD5015	150	50	1.5	1.57
3.	KRC200MTD5015	200	50	1.5	1.75
4.	KRC300MTD5020	300	50	2.0	2.77
5.	KRC400MTD5020	400	50	2.0	3.22
6.	KRC500MTD5020	500	50	2.0	3.68
7.	KRC600MTD5020	600	50	2.0	4.14
8.	KRC750MTD5020	750	50	2.0	4.82
9.	KRC900MTD5020	900	50	2.0	5.50

#### Cable Ladder Tee Bend M/TD

Tee bend is used to turn the ladder system on the other way on the same plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with tee bend use 18 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MTD/Height/Thickness/Finish

**Sample order details:** KRC100MTD5015PG

#### Cable Ladder Tee Bend Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MTDK1310	100	13	1.0	0.30
2.	KRC150MTDK1310	150	13	1.0	0.47
3.	KRC200MTDK1312	200	13	1.2	0.83
4.	KRC300MTDK1312	300	13	1.2	1.49
5.	KRC400MTDK1315	400	13	1.5	2.91
6.	KRC500MTDK1315	500	13	1.5	4.21
7.	KRC600MTDK1315	600	13	1.5	5.74
8.	KRC750MTDK1320	750	13	2.0	11.30
9.	KRC900MTDK1320	900	13	2.0	15.67

#### Cable Ladder Tee Bend Cover M/TK

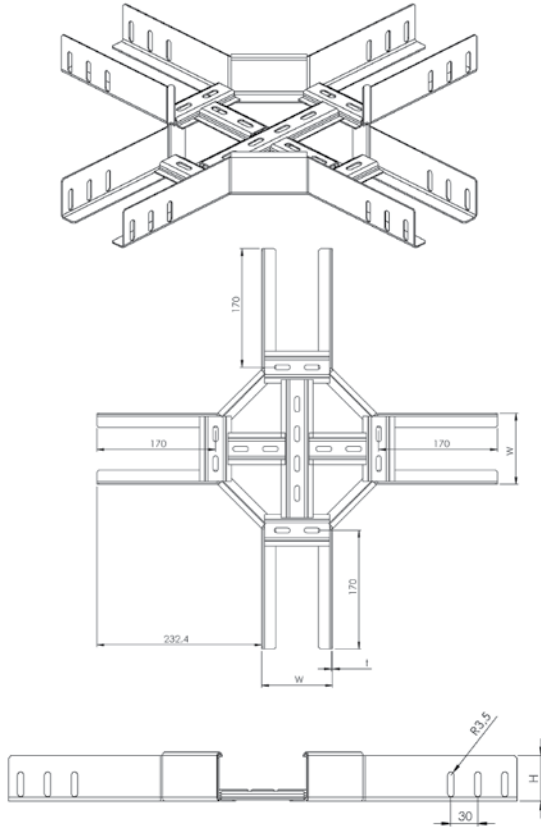
Tee bend cover is used to cover the top of the tee bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 3 pcs. KRC050KLPcover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MTDK/Height/Thickness/Finish

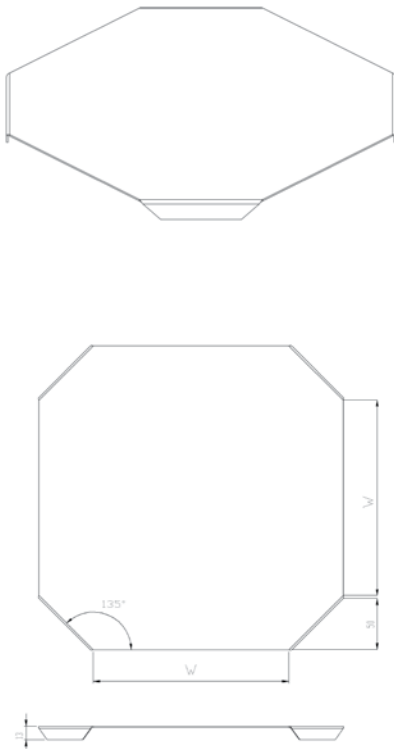
**Sample order details:** KRC100MTDK1310PG



### ■ Cable Ladder Crossover



### ■ Cable Ladder Crossover Cover



### Cable Ladder Crossover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MDD5015	100	50	1.5	1.80
2.	KRC150MDD5015	150	50	1.5	1.99
3.	KRC200MDD5015	200	50	1.5	2.18
4.	KRC300MDD5020	300	50	2.0	3.40
5.	KRC400MDD5020	400	50	2.0	3.90
6.	KRC500MDD5020	500	50	2.0	4.40
7.	KRC600MDD5020	600	50	2.0	4.90
8.	KRC750MDD5020	750	50	2.0	5.65
9.	KRC900MDD5020	900	50	2.0	6.40

### Cable Ladder Crossover MDD

Crossover is used to turn the ladder system on the other way on the same plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with crossover use 24 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MDD/Height/Thickness/Finish

**Sample order details:** KRC100MDD5015PG

### Cable Ladder Crossover Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MDDK1310	100	13	1.0	0.36
2.	KRC150MDDK1312	150	13	1.2	0.55
3.	KRC200MDDK1312	200	13	1.2	0.95
4.	KRC300MDDK1315	300	13	1.5	1.65
5.	KRC400MDDK1315	400	13	1.5	3.18
6.	KRC500MDDK1315	500	13	1.5	4.52
7.	KRC600MDDK1320	600	13	2.0	6.11
8.	KRC750MDDK1320	750	13	2.0	11.90
9.	KRC900MDDK1320	900	13	2.0	16.40

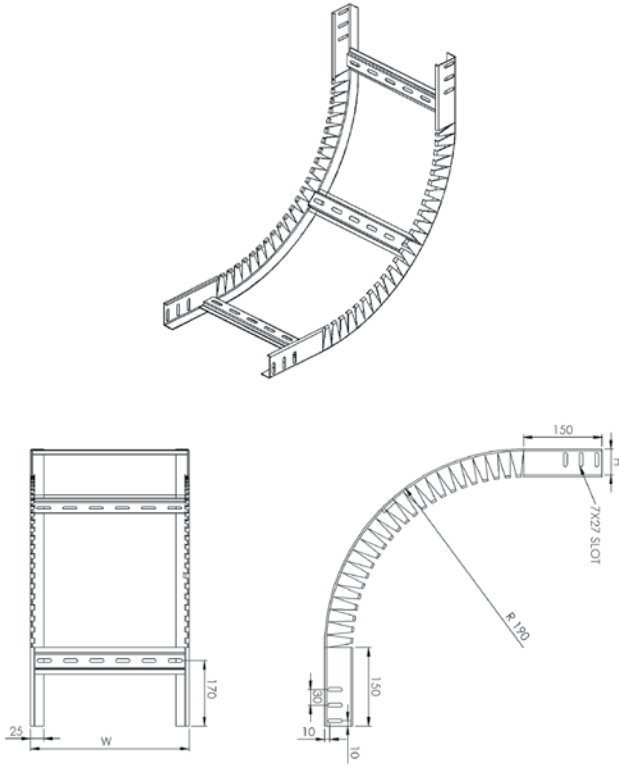
### Cable Tray Crossover Cover MDDK

Crossover cover is used to cover the top of the crossover. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MDDK/Height/Thickness/Finish

**Sample order details:** KRC100MDDK1310PG

### ■ Cable Ladder Internal Riser 90°



#### Cable Ladder Internal Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MID5015	100	50	1.5	1.26
2.	KRC150MID5015	150	50	1.5	1.35
3.	KRC200MID5015	200	50	1.5	1.45
4.	KRC300MID5020	300	50	2.0	2.14
5.	KRC400MID5020	400	50	2.0	2.38
6.	KRC500MID5020	500	50	2.0	2.63
7.	KRC600MID5020	600	50	2.0	2.88
8.	KRC750MID5020	750	50	2.0	3.25
9.	KRC900MID5020	900	50	2.0	3.62

### Cable Ladder Heavy Duty Internal Riser 90° M/ID

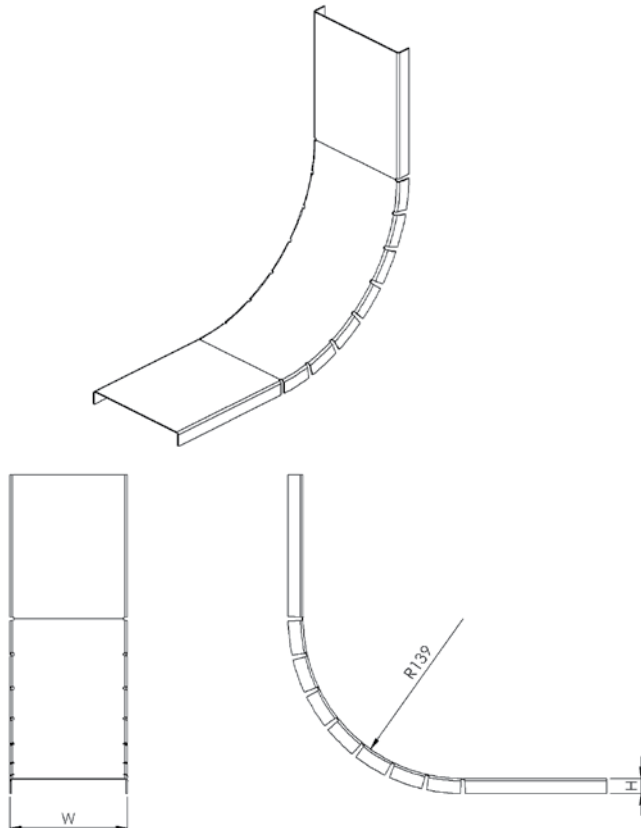
Internal riser is used to change the direction upward from the horizontal plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with riser use 4 straight connectors KRC050MEK10 and 8pcs. M6x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MID/Height/Thickness/Finish

**Sample order details:** KRC100MID5015PG

### ■ Cable Ladder Internal Riser 90°Cover



#### Cable Ladder Internal Riser 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MIDK1310	100	13	1.0	0.45
2.	KRC150MIDK1310	150	13	1.0	0.64
3.	KRC200MIDK1312	225	13	1.2	0.99
4.	KRC300MIDK1312	300	13	1.2	1.43
5.	KRC400MIDK1315	400	13	1.5	1.76
6.	KRC500MIDK1315	500	13	1.5	2.90
7.	KRC600MIDK1315	600	13	1.5	3.44
8.	KRC750MIDK1320	750	13	2.0	5.70
9.	KRC900MIDK1320	900	13	2.0	6.80

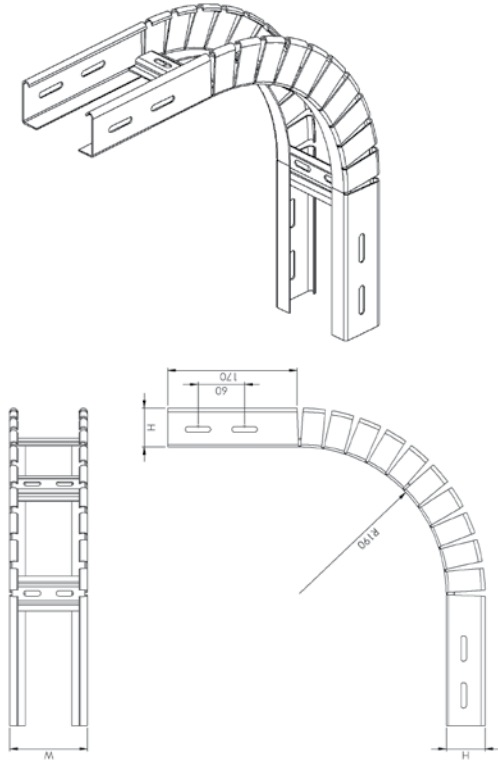
### Cable Ladder Internal Riser 90 Degree Cover M/IDK

Internal riser cover is used to cover the top of the riser. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC050KLPcover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MIDK/Height/Thickness/Finish

**Sample order details:** KRC100MIDK1310PG

■ Cable Ladder External Riser 90°



Cable Ladder External Riser 90°					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MID5015	100	50	1.5	1.26
2.	KRC150MID5015	150	50	1.5	1.35
3.	KRC200MID5015	200	50	1.5	1.45
4.	KRC300MID5020	300	50	2.0	2.14
5.	KRC400MID5020	400	50	2.0	2.38
6.	KRC500MID5020	500	50	2.0	2.63
7.	KRC600MID5020	600	50	2.0	2.88
8.	KRC750MID5020	750	50	2.0	3.25
9.	KRC900MID5020	900	50	2.0	3.62

**Cable Ladder External Riser 90° M/ID**

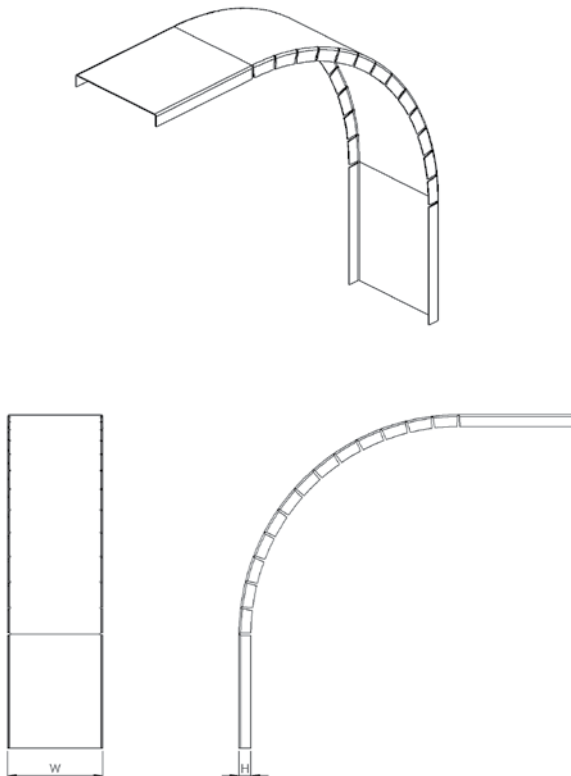
External riser is used to change the direction upward from the horizontal plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with riser use 4 straight connectors KRC050MEK10 and 8 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MID/Height/Thickness/Finish

**Sample order details:** KRC100MID5015PG

■ Cable Ladder External Riser 90° Cover



Cable Ladder External Riser 90° Cover					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MIDK1310	100	13	1.0	0.61
2.	KRC150MIDK1310	150	13	1.0	0.86
3.	KRC200MIDK1312	200	13	1.2	1.33
4.	KRC300MIDK1312	300	13	1.2	1.92
5.	KRC400MIDK1315	400	13	1.5	3.14
6.	KRC500MIDK1315	500	13	1.5	3.88
7.	KRC600MIDK1315	600	13	1.5	4.62
8.	KRC750MIDK1320	750	13	2.0	7.64
9.	KRC900MIDK1320	900	13	2.0	9.12

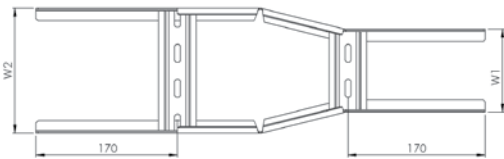
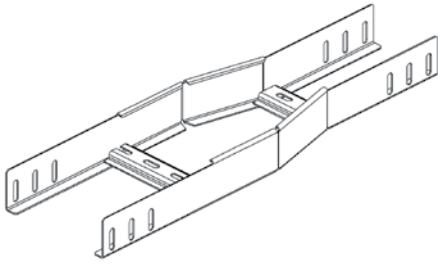
**Cable Ladder External Riser 90° Cover M/IDK**

External riser cover is used to cover the top of the riser. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC050KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

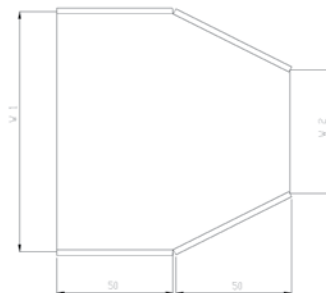
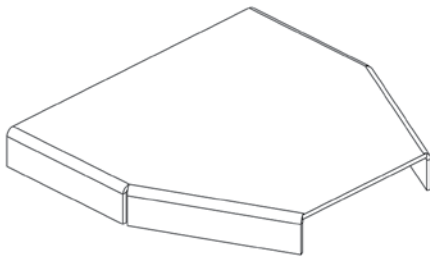
**Order details:** KRC/Width/MIDK/Height/Thickness/Finish

**Sample order details:** KRC100MIDK1310PG

### ■ Cable Ladder Reducer



### ■ Cable Ladder Reducer Cover



**Cable Ladder Reducer**

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100150MRD5015	100	150	50	1.5	0.96
2.	KRC150200MRD5015	150	200	50	1.5	1.00
3.	KRC200300MRD5015	200	300	50	1.5	1.14
4.	KRC300400MRD5020	300	400	50	2.0	1.66
5.	KRC400500MRD5020	400	500	50	2.0	1.80
6.	KRC500600MRD5020	500	600	50	2.0	2.00
7.	KRC600750MRD5020	600	750	50	2.0	2.34
8.	KRC750900MRD5020	750	900	50	2.0	2.50

#### Cable Ladder Reducer M/RD

Standard reducer is used to reduce the width of the ladders, keeping an equal width reduction along both sides in cable ladder systems. Range of widths from 100 mm to 900 mm. Left hand reducers and right hand reducers are available. Please specify the dimensions of W1, W2 with your order. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with reduce use 12 pcs. M6 x 15 head round bolt and M6 flanged nut.

**Order details:** KRC/Width1/Width2/MRD/Height/Thickness/Finish

**Sample order details:** KRC100MRD5015PG

**Cable Ladder Reducer Cover**

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100150MRDK1310	100	150	13	1.0	0.26
2.	KRC150200MRDK1310	150	200	13	1.0	0.34
3.	KRC200300MRDK1312	200	300	13	1.2	0.57
4.	KRC300400MRDK1312	300	400	13	1.2	0.76
5.	KRC400500MRDK1315	400	500	13	1.5	1.19
6.	KRC500600MRDK1315	500	600	13	1.5	1.42
7.	KRC600750MRDK1315	600	750	13	2.0	2.34
8.	KRC750900MRDK1320	750	900	13	2.0	2.80

#### Cable Ladder Reducer Cover M/RDK

Reducer cover is used to cover the top of the reducer. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 2 pcs. KRC050KLPcover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width1/Width2/MRDK/Height/Thickness/Finish

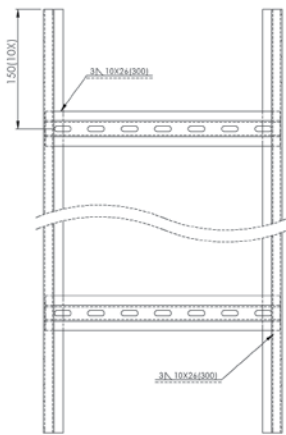
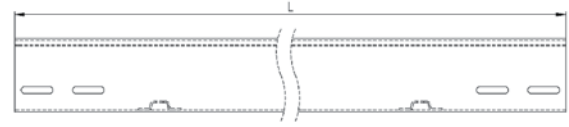
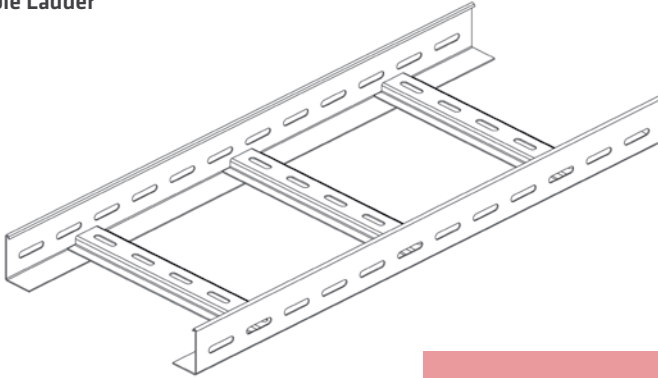
**Sample order details:** KRC100MRDK1310PG



75 mm  
**KRC CABLE LADDER**

KRC WIDTH [mm] MK HEIGHT [mm] THICKNESS [mm] FINISH code explanation

■ Cable Ladder



Cable Ladder

No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC100MK7515	100	3000	75	1.5	2.47
2.	KRC150MK7515	150	3000	75	1.5	2.56
3.	KRC200MK7515	200	3000	75	1.5	2.65
4.	KRC300MK7520	300	3000	75	2.0	3.78
5.	KRC400MK7520	400	3000	75	2.0	4.00
6.	KRC500MK7520	500	3000	75	2.0	4.28
7.	KRC600MK7520	600	3000	75	2.0	4.53
8.	KRC750MK7520	750	3000	75	2.0	4.90
9.	KRC900MK7520	900	3000	75	2.0	5.27

**Cable Ladder MK**

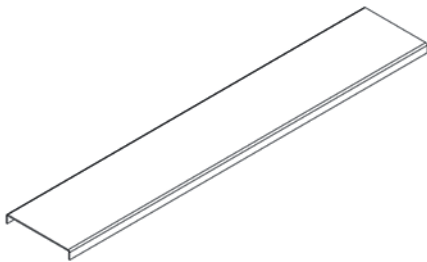
For each cable ladder, 2 straight connectors KRC075MEK10 must be ordered separately, 8 pcs. M6x15 head round bolt and M6 flanged nut are used.

*\*Available in 2440 mm length.*

Order details: KRC/Width/MK/Height/Thickness/Finish

Sample order details: KRC100MK7515PG

■ Cable Ladder Cover



Cable Ladder Cover

No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC100MCK1310	100	3000	13	1.0	1.00
2.	KRC150MCK1310	150	3000	13	1.0	1.39
3.	KRC200MCK1312	200	3000	13	1.2	2.14
4.	KRC300MCK1312	300	3000	13	1.2	3.09
5.	KRC400MCK1315	400	3000	13	1.5	5.00
6.	KRC500MCK1315	500	3000	13	1.5	6.23
7.	KRC600MCK1315	600	3000	13	1.5	7.41
8.	KRC750MCK1320	750	3000	13	2.0	12.25
9.	KRC900MCK1320	900	3000	13	2.0	14.61

**Cable Ladder Cover MKK**

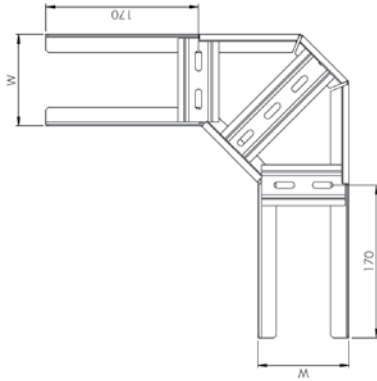
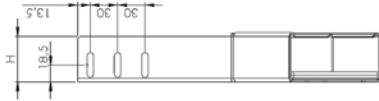
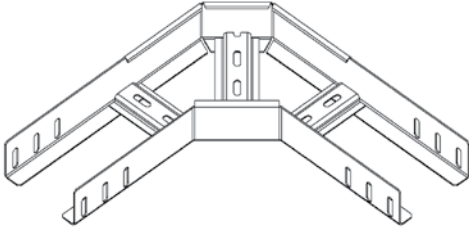
Cable Ladder Cover is used to cover the top of the ladder, providing mechanical and environmental protection for installed cables in cable ladder system. Range of widths from 100 mm to 900 mm, standard height is 13 mm and length 3000 mm. For each cover, 6 pcs. KRC075KLP cover clips are required. M6 x 15 head round bolt is used. Cover clips are not provided and should be ordered separately.

*\*Available in 2440 mm length.*

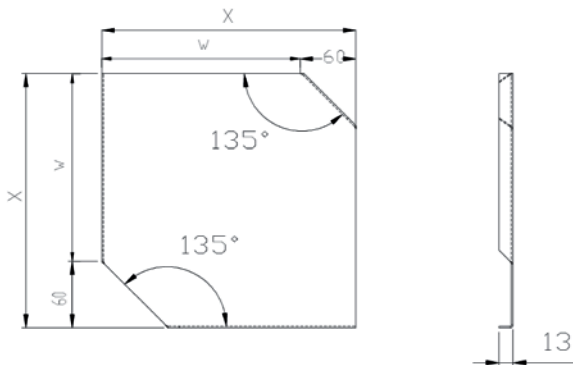
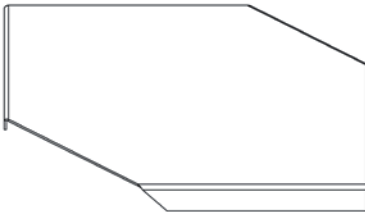
Order details: KRC/Width/MKK/Height/Thickness/Finish

Sample order details: KRC100MCK1310PG

### ■ Cable Ladder Horizontal Bend 90°



### ■ Cable Ladder Horizontal Bend 90° Cover



### Cable Ladder Horizontal Bend 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKD7515	100	75	1.5	1.37
2.	KRC150MKD7515	150	75	1.5	1.60
3.	KRC200MKD7515	200	75	1.5	1.83
4.	KRC300MKD7520	300	75	2.0	3.05
5.	KRC400MKD7520	400	75	2.0	3.66
6.	KRC500MKD7520	500	75	2.0	4.27
7.	KRC600MKD7520	600	75	2.0	4.88
8.	KRC750MKD7520	750	75	2.0	5.80
9.	KRC900MKD7520	900	75	2.0	6.71

### Cable Ladder Horizontal Bend 90° M/KD

Used to make a smooth, 90° horizontal change in cable ladder direction to turn the ladder system on the right or on the left on the same plane. Range of widths from 100 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with horizontal bend use 12 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MKD/Height/Thickness/Finish

**Sample order details:** KRC100MKD7515PG

### Cable Ladder Horizontal Bend 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKDK1310	100	13	1.0	0.21
2.	KRC150MKDK1310	150	13	1.0	0.37
3.	KRC200MKDK1312	200	13	1.2	0.68
4.	KRC300MKDK1312	300	13	1.2	1.29
5.	KRC400MKDK1315	400	13	1.5	2.62
6.	KRC500MKDK1315	500	13	1.5	3.86
7.	KRC600MKDK1315	600	13	1.5	5.33
8.	KRC750MKDK1320	750	13	2.0	10.65
9.	KRC900MKDK1320	900	13	2.0	14.95

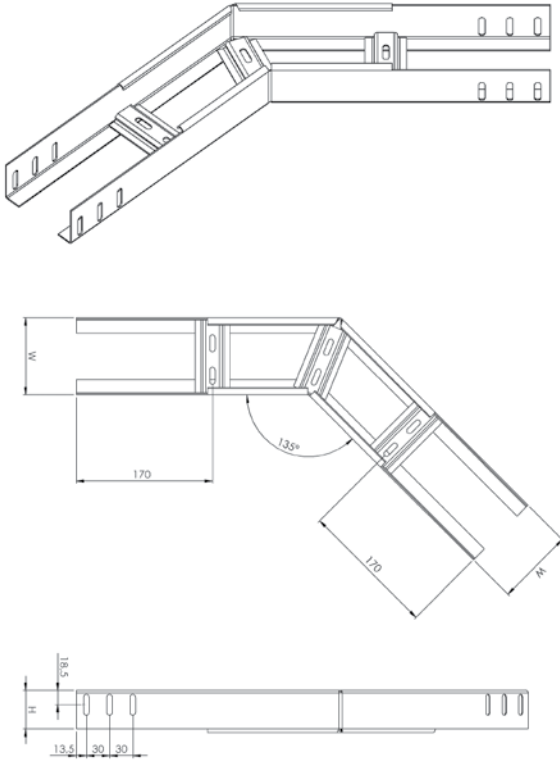
### Cable Ladder Horizontal Bend 90° Cover M/KDK

Bend cover is used to cover the top of the 90° bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MKDK/Height/Thickness/Finish

**Sample order details:** KRC100MKDK1310PG

■ Cable Ladder Horizontal Bend 45°



Cable Ladder Horizontal Bend 45°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKD7515R45	100	75	1.5	1.64
2.	KRC150MKD7515R45	150	75	1.5	1.74
3.	KRC200MKD7515R45	200	75	1.5	1.93
4.	KRC300MKD7520R45	300	75	2.0	2.97
5.	KRC400MKD7520R45	400	75	2.0	3.36
6.	KRC500MKD7520R45	500	75	2.0	3.75
7.	KRC600MKD7520R45	600	75	2.0	4.15
8.	KRC750MKD7520R45	750	75	2.0	4.73
9.	KRC900MKD7520R45	900	75	2.0	5.32

Cable Ladder Horizontal Bend 45° M/KD

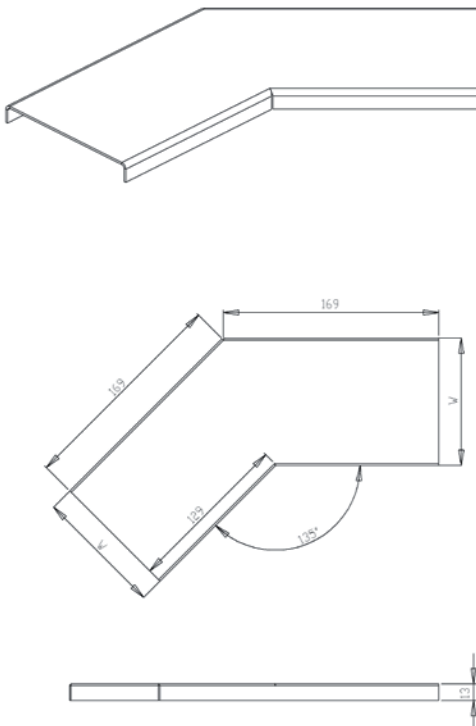
Used to make a 45° horizontal change in cable ladder direction to turn the ladder system on the right or on the left on the same plane. Range of widths from 100 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with horizontal bend use 12 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MKD/Height/Thickness/R45/Finish

**Sample order details:** KRC100MKD7515R45PG

■ Cable Ladder Horizontal Bend 45° Cover



Cable Ladder Horizontal Bend 45° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKDK1310R45	100	13	1.0	0.31
2.	KRC150MKDK1310R45	150	13	1.0	0.46
3.	KRC200MKDK1312R45	200	13	1.2	0.75
4.	KRC300MKDK1312R45	300	13	1.2	1.20
5.	KRC400MKDK1315R45	400	13	1.5	2.17
6.	KRC500MKDK1315R46	500	13	1.5	2.93
7.	KRC600MKDK1315R45	600	13	1.5	3.79
8.	KRC750MKDK1320R45	750	13	2.0	7.01
9.	KRC900MKDK1320R45	900	13	2.0	9.26

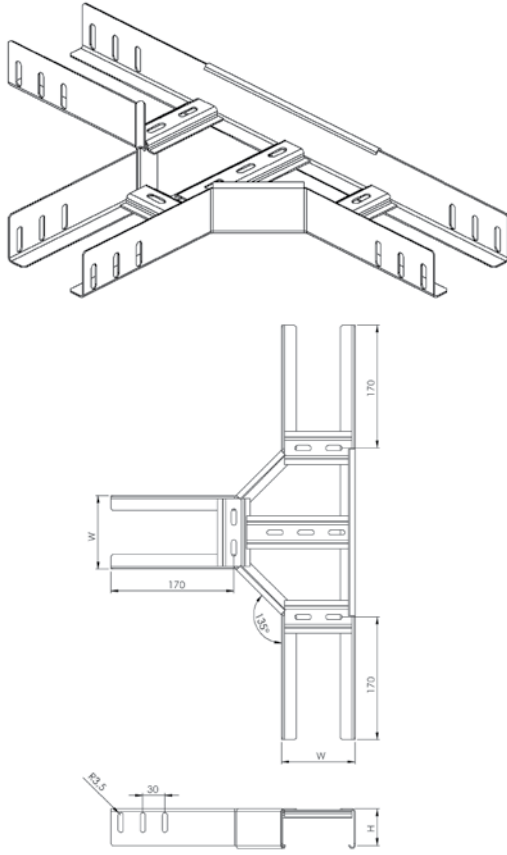
Cable Ladder Horizontal Bend 45° Cover M/KDK

Bend cover is used to cover the top of the 45° bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

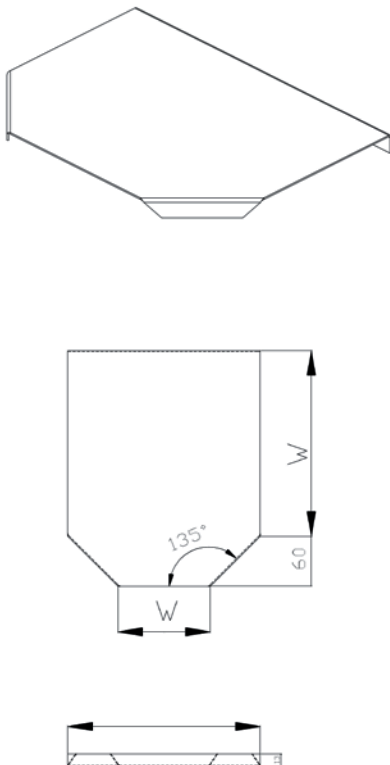
**Order details:** KRC/Width/MKDK/Height/Thickness/R45/Finish

**Sample order details:** KRC100MKDK1310R45PG

### ■ Cable Ladder Tee Bend



### ■ Cable Ladder Tee Bend Cover



#### Cable Ladder Tee Bend

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MTD7515	100	75	1.5	1.82
2.	KRC150MTD7515	150	75	1.5	2.00
3.	KRC200MTD7515	200	75	1.5	2.18
4.	KRC300MTD7520	300	75	2.0	3.40
5.	KRC400MTD7520	400	75	2.0	3.90
6.	KRC500MTD7520	500	75	2.0	4.40
7.	KRC600MTD7520	600	75	2.0	4.90
8.	KRC750MTD7520	750	75	2.0	5.63
9.	KRC900MTD7520	900	75	2.0	6.38

#### Cable Ladder Tee Bend M/TD

Tee bend is used to turn the ladder system on the other way on the same plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with tee bend use 18 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MTD/Height/Thickness/Finish

**Sample order details:** KRC100MTD7515PG

#### Cable Ladder Tee Bend Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MTDK1310	100	13	1.0	0.30
2.	KRC150MTDK1310	150	13	1.0	0.47
3.	KRC200MTDK1312	200	13	1.2	0.83
4.	KRC300MTDK1312	300	13	1.2	1.49
5.	KRC400MTDK1315	400	13	1.5	2.91
6.	KRC500MTDK1315	500	13	1.5	4.21
7.	KRC600MTDK1315	600	13	1.5	5.74
8.	KRC750MTDK1320	750	13	2.0	11.30
9.	KRC900MTDK1320	900	13	2.0	15.67

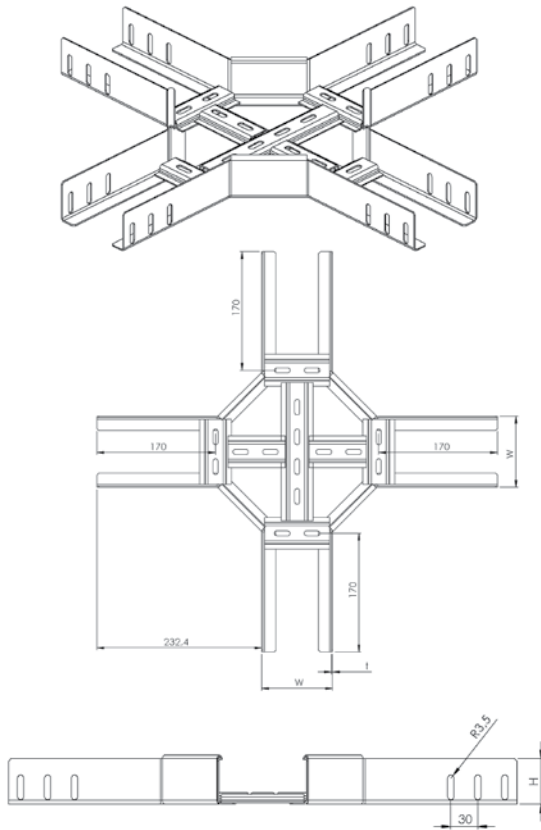
#### Cable Ladder Tee Bend Cover M/TDK

Tee bend cover is used to cover the top of the tee bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 3 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

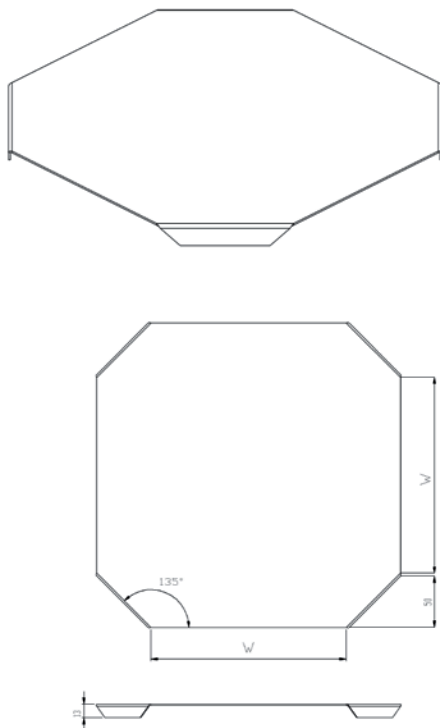
**Order details:** KRC/Width/MTDK/Height/Thickness/Finish

**Sample order details:** KRC100MTDK1310PG

### ■ Cable Ladder Crossover



### ■ Cable Ladder Crossover Cover



#### Cable Ladder Crossover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MDD7515	100	75	1.5	2.30
2.	KRC150MDD7515	150	75	1.5	2.50
3.	KRC200MDD7515	200	75	1.5	2.69
4.	KRC300MDD7520	300	75	2.0	4.10
5.	KRC400MDD7520	400	75	2.0	4.57
6.	KRC500MDD7520	500	75	2.0	5.10
7.	KRC600MDD7520	600	75	2.0	5.58
8.	KRC750MDD7520	750	75	2.0	6.33
9.	KRC900MDD7520	900	75	2.0	7.10

#### Cable Ladder Crossover M/DD

Crossover is used to turn the ladder system on the other way on the same plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with crossover use 24 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MDD/Height/Thickness/Finish

**Sample order details:** KRC100MDD7515PG

#### Cable Ladder Crossover Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MDDK1310	100	13	1.0	0.36
2.	KRC150MDDK1312	150	13	1.2	0.55
3.	KRC200MDDK1312	200	13	1.2	0.95
4.	KRC300MDDK1315	300	13	1.5	1.65
5.	KRC400MDDK1315	400	13	1.5	3.18
6.	KRC500MDDK1315	500	13	1.5	4.52
7.	KRC600MDDK1320	600	13	2.0	6.11
8.	KRC750MDDK1320	750	13	2.0	11.90
9.	KRC900MDDK1320	900	13	2.0	16.40

#### Cable Ladder Crossover Cover M/DDK

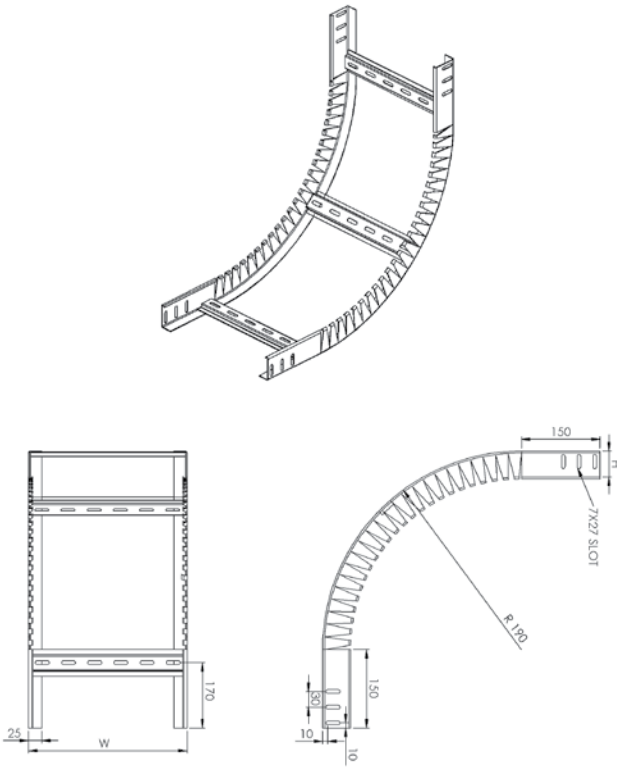
Crossover cover is used to cover the top of the crossover. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MDDK/Height/Thickness/Finish

**Sample order details:** KRC100MDDK1310PG



### ■ Cable Ladder Internal Riser 90°



#### Cable Ladder Internal Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MID7515	100	75	1.5	1.62
2.	KRC150MID7515	150	75	1.5	1.70
3.	KRC200MID7515	200	75	1.5	1.80
4.	KRC300MID7520	300	75	2.0	2.62
5.	KRC400MID7520	400	75	2.0	2.87
6.	KRC500MID7520	500	75	2.0	3.11
7.	KRC600MID7520	600	75	2.0	3.36
8.	KRC750MID7520	750	75	2.0	3.73
9.	KRC900MID7520	900	75	2.0	4.10

#### Cable Ladder Internal Riser 90° M/ID

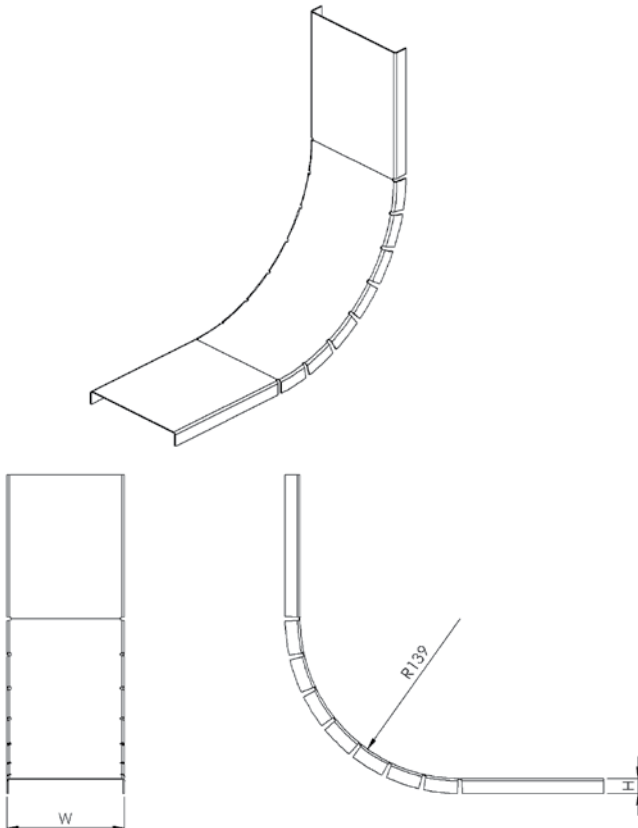
Internal riser is used to change the direction upward from the horizontal plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with riser use 4 straight connectors KRC075MEK10 and 8pcs. M6x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MID/Height/Thickness/Finish

**Sample order details:** KRC100MID7515PG

### ■ Cable Ladder Internal Riser 90° Cover



#### Cable Ladder Internal Riser 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MIDK1310	100	13	1.0	0.42
2.	KRC150MIDK1310	150	13	1.0	0.60
3.	KRC200MIDK1312	225	13	1.2	0.90
4.	KRC300MIDK1312	300	13	1.2	1.31
5.	KRC400MIDK1315	400	13	1.5	2.14
6.	KRC500MIDK1315	500	13	1.5	2.65
7.	KRC600MIDK1315	600	13	1.5	3.15
8.	KRC750MIDK1320	750	13	2.0	5.21
9.	KRC900MIDK1320	900	13	2.0	6.28

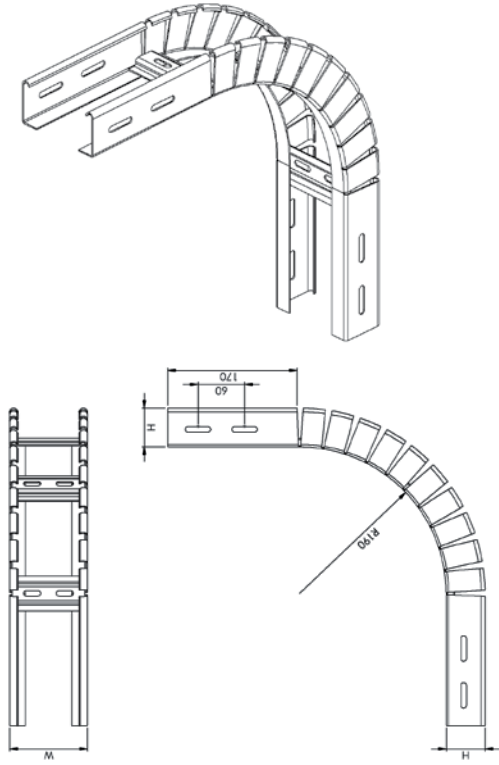
#### Cable Ladder Internal Riser 90° Cover M/IDK

Internal riser cover is used to cover the top of the riser. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 head round bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MIDK/Height/Thickness/Finish

**Sample order details:** KRC100MIDK1310PG

■ Cable Ladder External Riser 90°



Cable Ladder External Riser 90°					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MID7515	100	75	1.5	1.62
2.	KRC150MID7515	150	75	1.5	1.70
3.	KRC200MID7515	200	75	1.5	1.80
4.	KRC300MID7520	300	75	2.0	2.62
5.	KRC400MID7520	400	75	2.0	2.87
6.	KRC500MID7520	500	75	2.0	3.11
7.	KRC600MID7520	600	75	2.0	3.36
8.	KRC750MID7520	750	75	2.0	3.73
9.	KRC900MID7520	900	75	2.0	4.10

**Cable Ladder External Riser 90° M/ID**

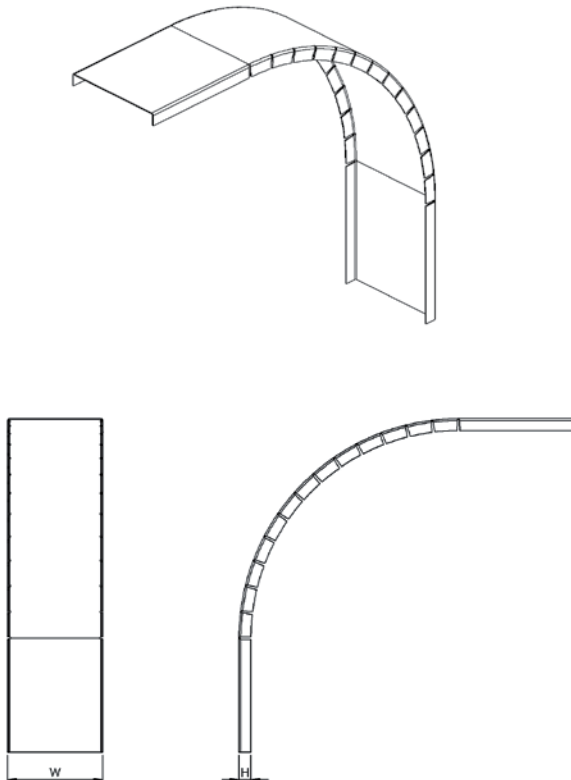
External riser is used to change the direction upward from the horizontal plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with riser use 4 straight connectors KRC075MEK10 and 8pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MID/Height/Thickness/Finish

**Sample order details:** KRC100MID7515PG

■ Cable Ladder External Riser 90° Cover



Cable Ladder External Riser 90° Cover					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MIDK1310	100	13	1.0	0.65
2.	KRC150MIDK1310	150	13	1.0	0.91
3.	KRC200MIDK1312	200	13	1.2	1.41
4.	KRC300MIDK1312	300	13	1.2	2.04
5.	KRC400MIDK1315	400	13	1.5	3.34
6.	KRC500MIDK1315	500	13	1.5	4.12
7.	KRC600MIDK1315	600	13	1.5	4.91
8.	KRC750MIDK1320	750	13	2.0	8.12
9.	KRC900MIDK1320	900	13	2.0	9.69

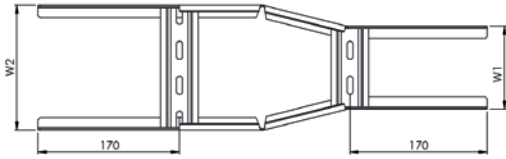
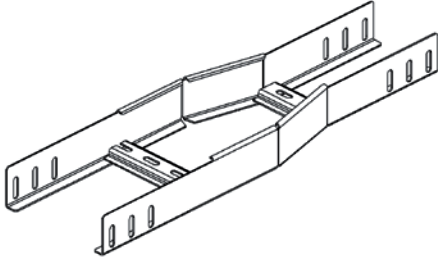
**Cable Ladder External Riser 90° Cover M/IDK**

External riser cover is used to cover the top of the riser. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

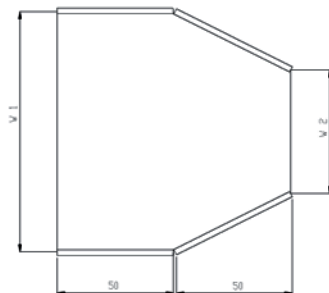
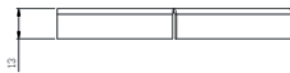
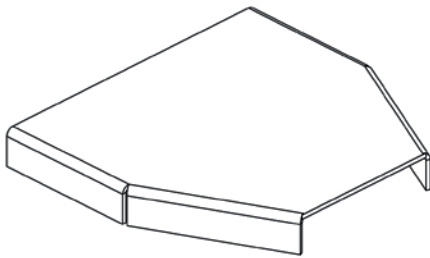
**Order details:** KRC/Width/MIDK/Height/Thickness/Finish

**Sample order details:** KRC100MIDK1310PG

### ■ Cable Ladder Reducer



### ■ Cable Ladder Reducer Cover



#### Cable Ladder Reducer

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100150MRD7515	100	150	75	1.5	1.28
2.	KRC150200MRD7515	150	200	75	1.5	1.35
3.	KRC200300MRD7515	200	300	75	1.5	1.46
4.	KRC300400MRD7520	300	400	75	2.0	2.09
5.	KRC400500MRD7520	400	500	75	2.0	2.26
6.	KRC500600MRD7520	500	600	75	2.0	2.43
7.	KRC600750MRD7520	600	750	75	2.0	2.68
8.	KRC750900MRD7520	750	900	75	2.0	2.93

#### Cable Ladder Reducer M/RD

Standard reducer is used to reduce the width of the ladders, keeping an equal width reduction along both sides in cable ladder systems. Range of widths from 100 mm to 900 mm. Left hand reducers and right hand reducers are available. Please specify the dimensions of W1, W2 with your order. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with reduce use 12 pcs. M6 x 15 head round bolt and M6 flanged nut.

**Order details:** KRC/Width1/Width2/MRD/Height/Thickness/Finish  
**Sample order details:** KRC100150MRD7515PG

#### Cable Ladder Reducer Cover

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100150MRDK1310	100	150	13	1.0	0.26
2.	KRC150200MRDK1310	150	200	13	1.0	0.34
3.	KRC200300MRDK1312	200	300	13	1.2	0.57
4.	KRC300400MRDK1312	300	400	13	1.2	0.76
5.	KRC400500MRDK1315	400	500	13	1.5	1.19
6.	KRC500600MRDK1315	500	600	13	1.5	1.42
7.	KRC600750MRDK1315	600	750	13	1.5	2.34
8.	KRC750900MRDK1320	750	900	13	2.0	2.80

#### Cable Tray Reducer Cover M/RDK

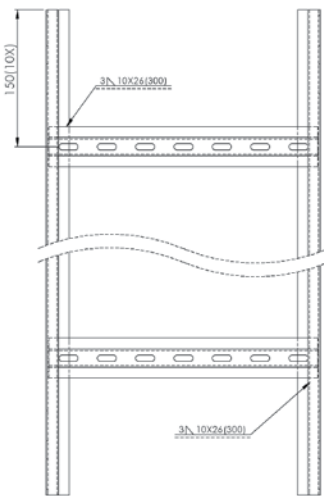
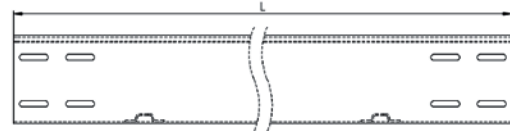
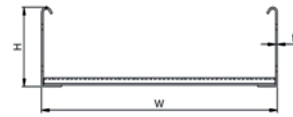
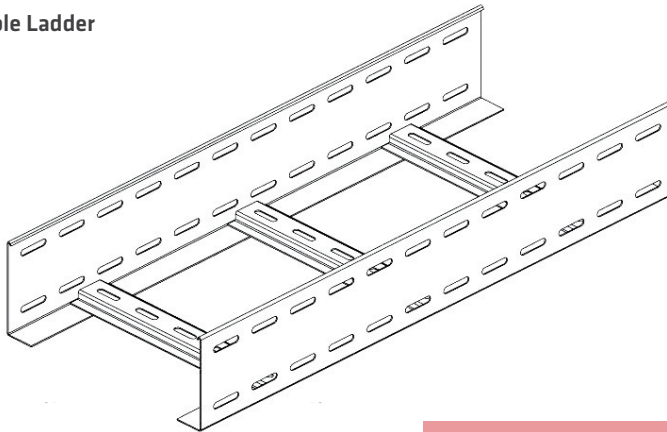
Reducer cover is used to cover the top of the reducer. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 2 pcs. KRC075KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width1/Width2/MRDK/Height/Thickness/Finish  
**Sample order details:** KRC100150MRDK1310PG

## 100 mm KRC CABLE LADDER

KRC WIDTH [mm] MK HEIGHT [mm] THICKNESS [mm] FINISH code explanation

### ■ Cable Ladder



Cable Ladder						
No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC100MK10015	100	3000	100	1.5	2.96
2.	KRC150MK10015	150	3000	100	1.5	3.00
3.	KRC200MK10015	200	3000	100	1.5	3.14
4.	KRC300MK10020	300	3000	100	2.0	4.44
5.	KRC400MK10020	400	3000	100	2.0	4.89
6.	KRC500MK10020	500	3000	100	2.0	4.94
7.	KRC600MK10020	600	3000	100	2.0	5.19
8.	KRC750MK10020	750	3000	100	2.0	5.56
9.	KRC900MK10020	900	3000	100	2.0	5.92

#### Cable Ladder MK

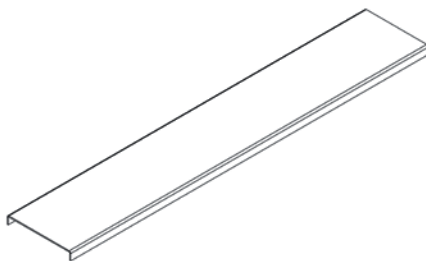
For each cable ladder, 2 straight connectors KRC100MEK10 must be ordered separately, 8 pcs. M6x15 round head bolt and M6 flanged nut are used.

\*Available in 2440 mm length.

Order details: KRC/Width/MK/Height/Thickness/Finish

Sample order details: KRC100MK10015PG

### ■ Cable Ladder Cover



Cable Ladder Cover						
No	PRODUCT CODE	WIDTH (mm)	LENGTH (mm)*	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC100MKK1312	100	3000	13	1.2	1.17
2.	KRC150MKK1312	150	3000	13	1.2	1.65
3.	KRC200MKK1312	200	3000	13	1.2	2.14
4.	KRC300MKK1315	300	3000	13	1.5	3.82
5.	KRC400MKK1315	400	3000	13	1.5	5.00
6.	KRC500MKK1315	500	3000	13	1.5	6.23
7.	KRC600MKK1315	600	3000	13	1.5	7.41
8.	KRC750MKK1320	750	3000	13	2.0	12.25
9.	KRC900MKK1320	900	3000	13	2.0	14.61

#### Cable Ladder Cover MKK

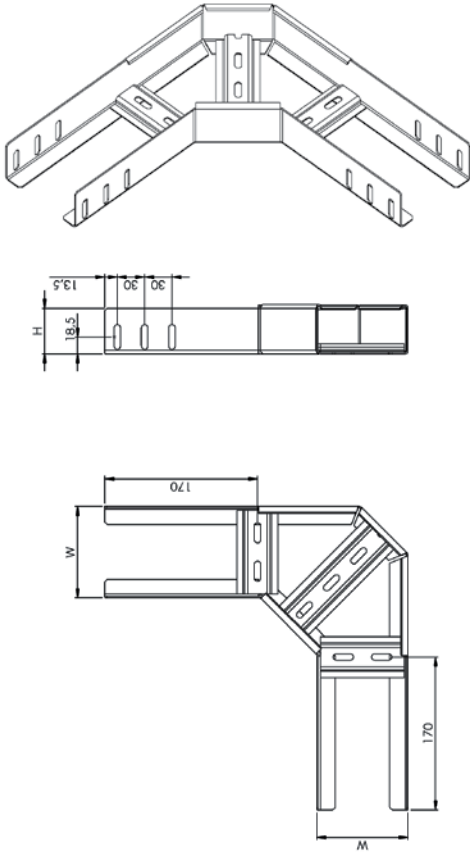
Cable Ladder Cover is used to cover the top of the ladder, providing mechanical and environmental protection for installed cables in cable ladder system. Range of widths from 100 mm to 900 mm, standard height is 13 mm and length 3000 mm. For each cover, 6 pcs.KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

\*Available in 2440 mm length.

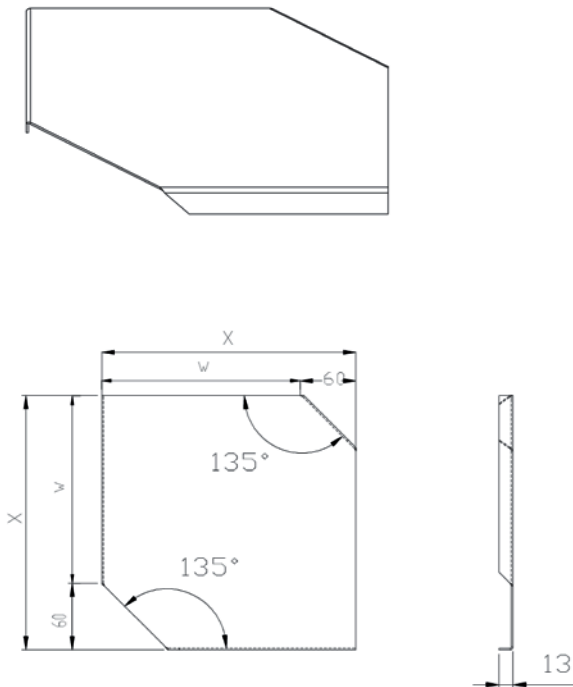
Order details: KRC/Width/MKK/Height/Thickness/Finish

Sample order details: KRC100MKK1312PG

■ Cable Ladder Horizontal Bend 90°



■ Cable Ladder Horizontal Bend 90° Cover



Cable Ladder Horizontal Bend 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKD10015	100	100	1.5	1.66
2.	KRC150MKD10015	150	100	1.5	1.90
3.	KRC200MKD10015	200	100	1.5	2.18
4.	KRC300MKD10020	300	100	2.0	3.59
5.	KRC400MKD10020	400	100	2.0	4.28
6.	KRC500MKD10020	500	100	2.0	4.97
7.	KRC600MKD10020	600	100	2.0	5.65
8.	KRC750MKD10020	750	100	2.0	6.69
9.	KRC900MKD10020	900	100	2.0	7.72

Cable Ladder Horizontal Bend 90° M/KD

Used to make a smooth, 90° horizontal change in cable ladder direction to turn the ladder system on the right or on the left on the same plane. Range of widths from 100 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with horizontal bend use 24 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MKD/Height/Thickness/Finish

**Sample order details:** KRC100MKD10015PG

Cable Ladder Horizontal Bend 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKDK1312	100	13	1.2	0.25
2.	KRC150MKDK1312	150	13	1.2	0.45
3.	KRC200MKDK1312	200	13	1.2	0.68
4.	KRC300MKDK1315	300	13	1.5	1.61
5.	KRC400MKDK1315	400	13	1.5	2.62
6.	KRC500MKDK1315	500	13	1.5	3.86
7.	KRC600MKDK1315	600	13	1.5	5.33
8.	KRC750MKDK1320	750	13	2.0	10.65
9.	KRC900MKDK1320	900	13	2.0	14.91

Cable Ladder Horizontal Bend 90° Cover M/KDK

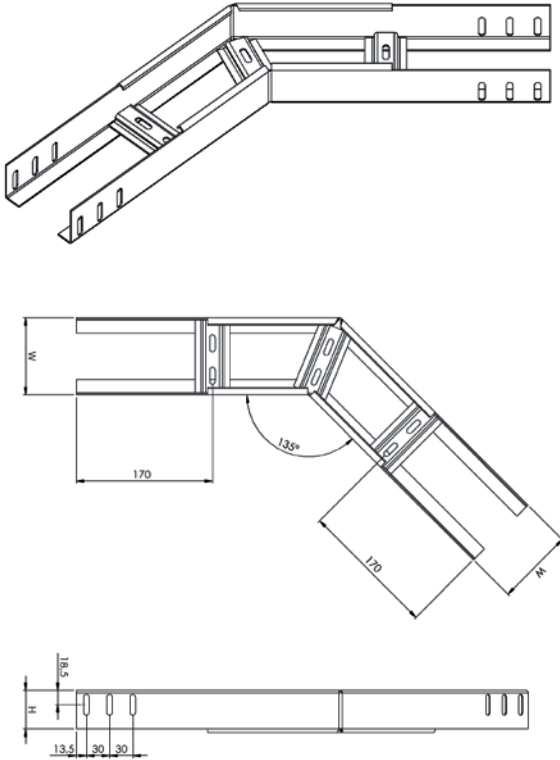
Bend cover is used to cover the top of the 90° bend. Range of widths from 100 mm to 900 mm, standard height is 13mm. For each cover, 3 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MKDK/Height/Thickness/Finish

**Sample order details:** KRC100MKDK1312PG



■ Cable Ladder Horizontal Bend 45°



Cable Ladder Horizontal Bend 45°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKD10015R45	100	100	1.5	1.99
2.	KRC150MKD10015R45	150	100	1.5	2.15
3.	KRC200MKD10015R45	200	100	1.5	2.30
4.	KRC300MKD10020R45	300	100	2.0	3.50
5.	KRC400MKD10020R45	400	100	2.0	3.93
6.	KRC500MKD10020R45	500	100	2.0	4.36
7.	KRC600MKD10020R45	600	100	2.0	4.78
8.	KRC750MKD10020R45	750	100	2.0	5.42
9.	KRC900MKD10020R45	900	100	2.0	6.00

Cable Ladder Horizontal Bend 45° M/KD

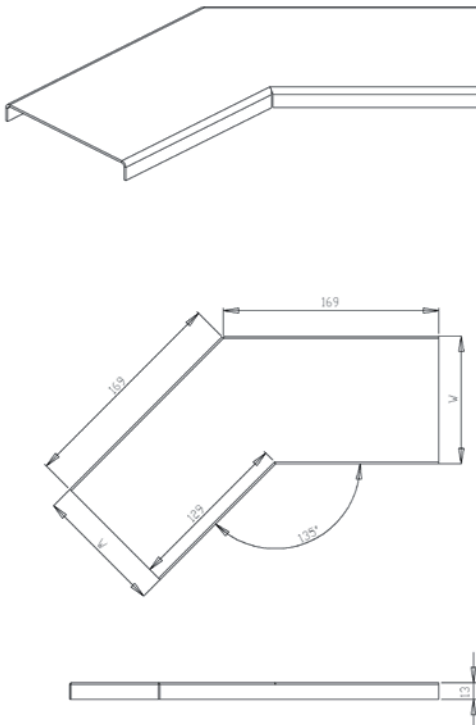
Used to make a 45° horizontal change in cable ladder direction to turn the ladder system on the right or on the left on the same plane. Range of widths from 100 mm to 900 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with horizontal bend use 24 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MKD/Height/Thickness/R45/Finish

**Sample order details:** KRC100MKD10015R45PG

■ Cable Ladder Bend 45° Cover



Cable Ladder Bend 45° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MKDK1312R45	100	13	1.2	0.37
2.	KRC150MKDK1312R45	150	13	1.2	0.55
3.	KRC200MKDK1312R45	200	13	1.2	0.75
4.	KRC300MKDK1315R45	300	13	1.5	1.49
5.	KRC400MKDK1315R45	400	13	1.5	2.17
6.	KRC500MKDK1315R46	500	13	1.5	2.93
7.	KRC600MKDK1315R45	600	13	1.5	3.79
8.	KRC750MKDK1320R45	750	13	2.0	7.01
9.	KRC900MKDK1320R45	900	13	2.0	9.26

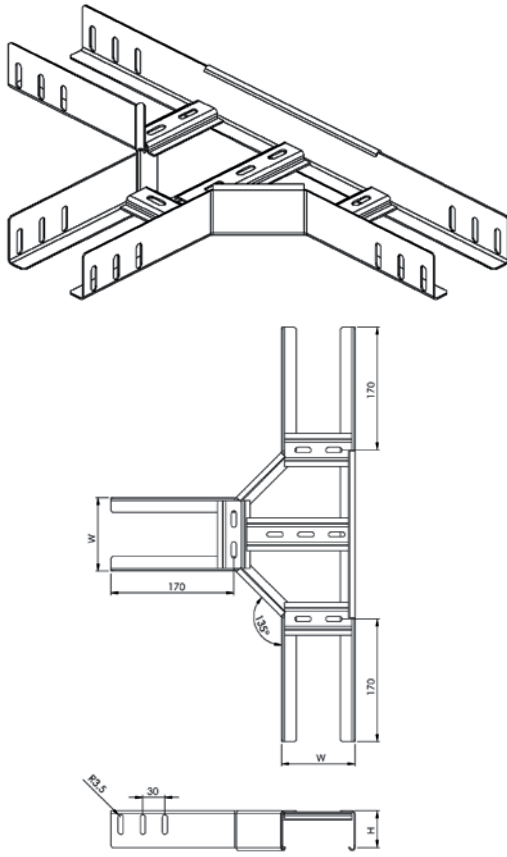
Cable Ladder Horizontal Bend 45° Cover M/KDK

Bend cover is used to cover the top of the 45° bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC100KLP cover clips are required. M6 x 15 head round bolt is used. Cover clips are not provided and should be ordered separately.

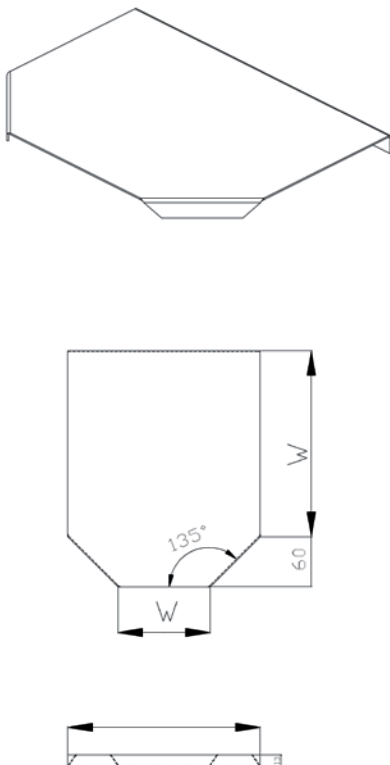
**Order details:** KRC/Width/MKDK/Height/Thickness/R45/Finish

**Sample order details:** KRC100MKDK1312R45PG

### ■ Cable Ladder Tee Bend



### ■ Cable Ladder Tee Bend Cover



#### Cable Ladder Tee Bend

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MTD10015	100	100	1.5	2.20
2.	KRC150MTD10015	150	100	1.5	2.40
3.	KRC200MTD10015	200	100	1.5	2.60
4.	KRC300MTD10020	300	100	2.0	3.99
5.	KRC400MTD10020	400	100	2.0	4.53
6.	KRC500MTD10020	500	100	2.0	5.00
7.	KRC600MTD10020	600	100	2.0	5.60
8.	KRC750MTD10020	750	100	2.0	6.40
9.	KRC900MTD10020	900	100	2.0	7.20

#### Cable Ladder Tee Bend M/TD

Tee bend is used to turn the ladder system on the other way on the same plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with tee bend use 36 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MTD/Height/Thickness/Finish

**Sample order details:** KRC100MTD10015PG

#### Cable Ladder Tee Bend Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MTDK1312	100	13	1.2	0.35
2.	KRC150MTDK1312	150	13	1.2	0.57
3.	KRC200MTDK1312	200	13	1.2	0.83
4.	KRC300MTDK1315	300	13	1.5	1.89
5.	KRC400MTDK1315	400	13	1.5	2.91
6.	KRC500MTDK1315	500	13	1.5	4.21
7.	KRC600MTDK1315	600	13	1.5	5.74
8.	KRC750MTDK1320	750	13	2.0	11.30
9.	KRC900MTDK1320	900	13	2.0	15.67

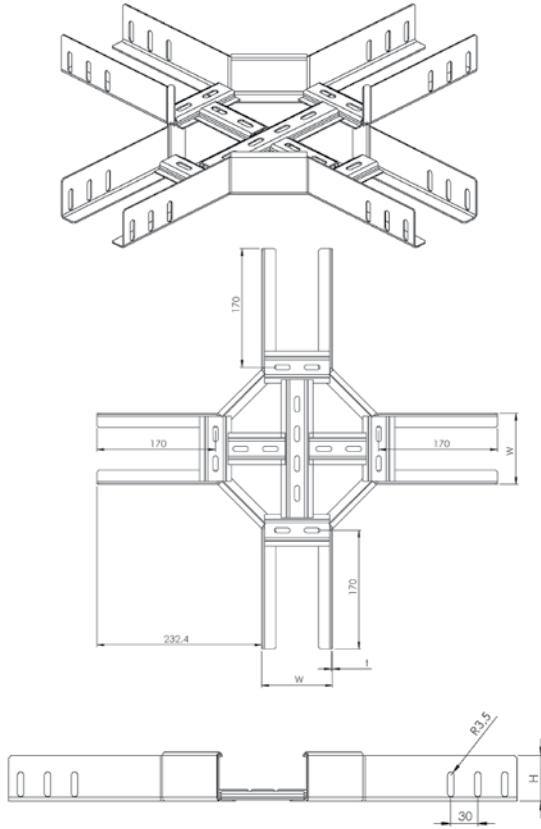
#### Cable Ladder Tee Bend Cover M/TK

Tee bend cover is used to cover the top of the tee bend. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 3 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

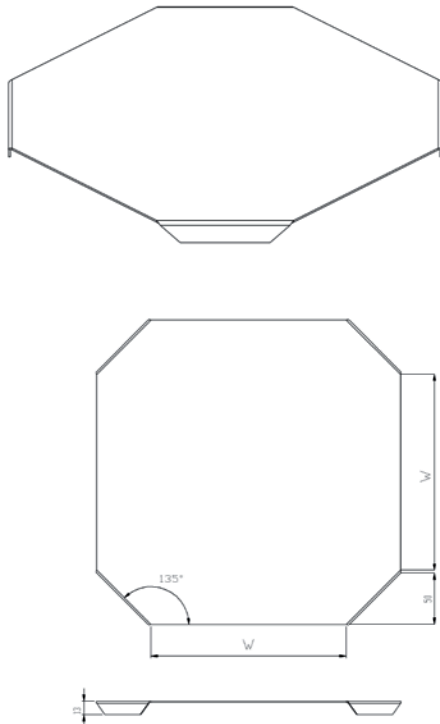
**Order details:** KRC/Width/MTDK/Height/Thickness/Finish

**Sample order details:** KRC100MTDK1312PG

### ■ Cable Ladder Crossover



### ■ Cable Ladder Crossover Cover



#### Cable Ladder Crossover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MDD10015	100	100	1.5	2.77
2.	KRC150MDD10015	150	100	1.5	2.97
3.	KRC200MDD10015	200	100	1.5	3.37
4.	KRC300MDD10020	300	100	2.0	4.68
5.	KRC400MDD10020	400	100	2.0	5.20
6.	KRC500MDD10020	500	100	2.0	5.70
7.	KRC600MDD10020	600	100	2.0	6.20
8.	KRC750MDD10020	750	100	2.0	6.94
9.	KRC900MDD10020	900	100	2.0	7.70

#### Cable Ladder Crossover M/DD

Crossover is used to turn the ladder system on the other way on the same plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with crossover use 48 pcs. M6x15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MDD/Height/Thickness/Finish

**Sample order details:** KRC100MDD10015PG

#### Cable Ladder Crossover Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MDDK1312	100	13	1.2	0.43
2.	KRC150MDDK1312	150	13	1.2	0.67
3.	KRC200MDDK1312	200	13	1.2	0.95
4.	KRC300MDDK1315	300	13	1.5	1.65
5.	KRC400MDDK1315	400	13	1.5	3.18
6.	KRC500MDDK1315	500	13	1.5	4.52
7.	KRC600MDDK1320	600	13	2.0	6.11
8.	KRC750MDDK1320	750	13	2.0	11.90
9.	KRC900MDDK1320	900	13	2.0	16.40

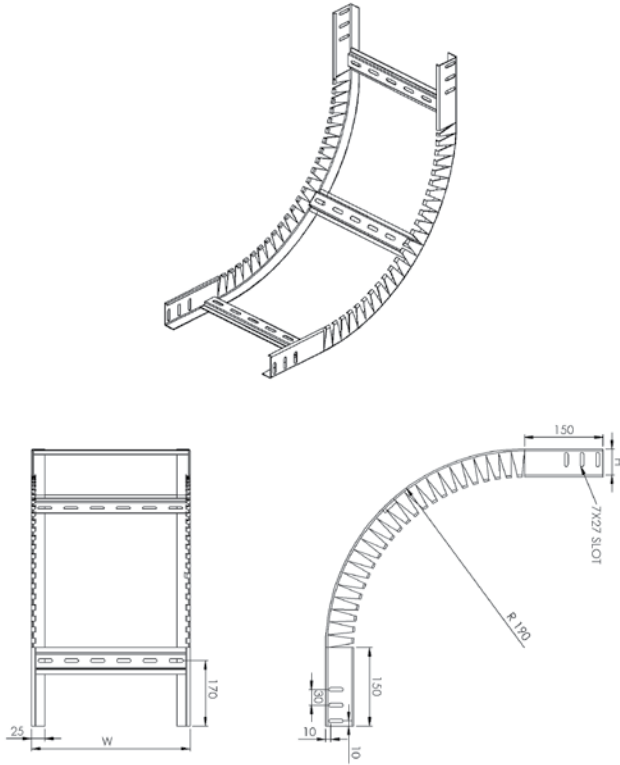
#### Cable Tray Crossover Cover M/DDK

Crossover cover is used to cover the top of the crossover. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MDDK/Height/Thickness/Finish

**Sample order details:** KRC100MDDK1312PG

### ■ Cable Ladder Internal Riser 90°



#### Cable Ladder Internal Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MID10015	100	100	1.5	1.96
2.	KRC150MID10015	150	100	1.5	2.00
3.	KRC200MID10015	200	100	1.5	2.15
4.	KRC300MID10020	300	100	2.0	3.00
5.	KRC400MID10020	400	100	2.0	3.32
6.	KRC500MID10020	500	100	2.0	3.56
7.	KRC600MID10020	600	100	2.0	3.80
8.	KRC750MID10020	750	100	2.0	4.18
9.	KRC900MID10020	900	100	2.0	4.55

#### Cable Ladder Internal Riser 90° M/ID

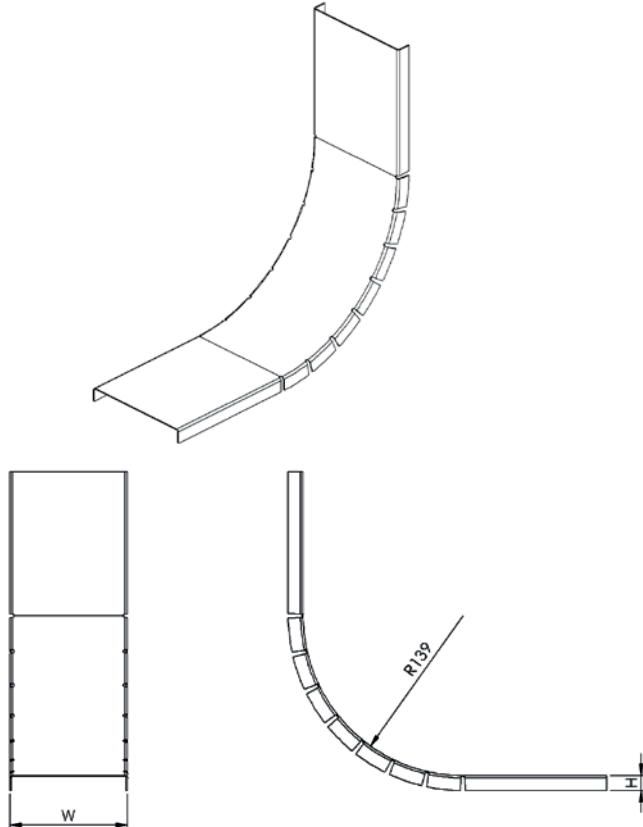
Internal riser is used to change the direction upward from the horizontal plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with riser use 4 straight connectors KRC100MEK10 and 16 pcs. M6x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MID/Height/Thickness/Finish

**Sample order details:** KRC100MID10015PG

### ■ Cable Ladder Internal Riser 90° Cover



#### Cable Ladder Internal Riser 90° Cover

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MIDK1312	100	13	1.2	0.45
2.	KRC150MIDK1312	150	13	1.2	0.64
3.	KRC200MIDK1312	225	13	1.2	0.82
4.	KRC300MIDK1315	300	13	1.5	1.48
5.	KRC400MIDK1315	400	13	1.5	1.94
6.	KRC500MIDK1315	500	13	1.5	2.40
7.	KRC600MIDK1315	600	13	1.5	2.87
8.	KRC750MIDK1320	750	13	2.0	4.74
9.	KRC900MIDK1320	900	13	2.0	5.66

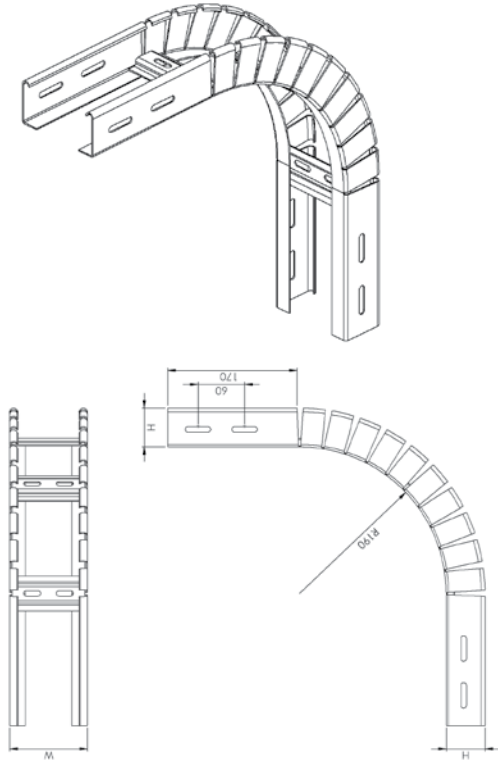
#### Cable Ladder Internal Riser 90° Cover M/IDK

Internal riser cover is used to cover the top of the riser. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MIDK/Height/Thickness/Finish

**Sample order details:** KRC100MIDK1312PG

### ■ Cable Ladder External Riser 90°



Cable Ladder External Riser 90°					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MID10015	100	100	1.5	1.96
2.	KRC150MID10015	150	100	1.5	2.00
3.	KRC200MID10015	200	100	1.5	2.15
4.	KRC300MID10020	300	100	2.0	3.00
5.	KRC400MID10020	400	100	2.0	3.32
6.	KRC500MID10020	500	100	2.0	3.56
7.	KRC600MID10020	600	100	2.0	3.80
8.	KRC750MID10020	750	100	2.0	4.18
9.	KRC900MID10020	900	100	2.0	4.55

#### Cable Ladder External Riser 90° M/ID

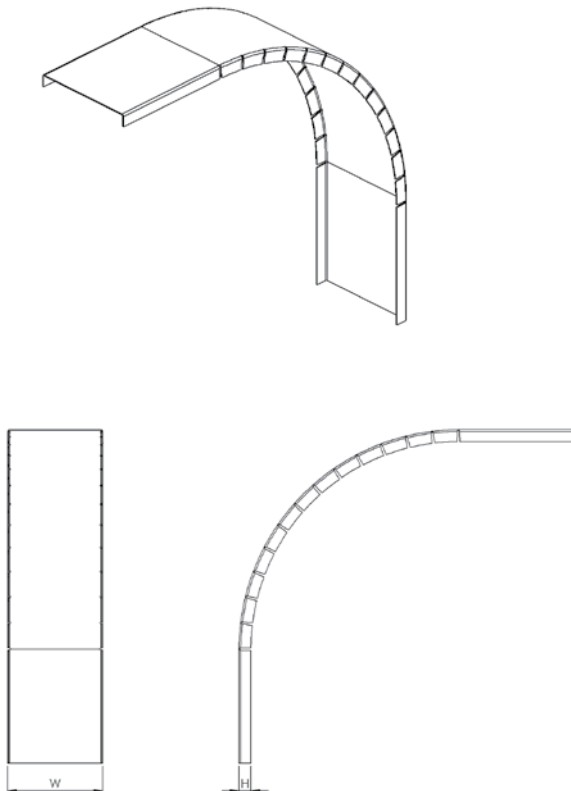
External riser is used to change the direction upward from the horizontal plane. Range of widths from 100 mm to 900 mm.

**Mounting:** To connect the cable ladder with riser use 4 straight connectors KRC100MEK10 and 16 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width/MID/Height/Thickness/Finish

**Sample order details:** KRC100MID10015PG

### ■ Cable Ladder External Riser 90° Cover



Cable Ladder External Riser 90° Cover					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MIDK1310	100	13	1.2	0.69
2.	KRC150MIDK1310	150	13	1.2	0.95
3.	KRC200MIDK1312	200	13	1.2	1.45
4.	KRC300MIDK1312	300	13	1.2	2.16
5.	KRC400MIDK1315	400	13	1.5	3.54
6.	KRC500MIDK1315	500	13	1.5	4.37
7.	KRC600MIDK1315	600	13	1.5	5.20
8.	KRC750MIDK1320	750	13	2.0	8.60
9.	KRC900MIDK1320	900	13	2.0	10.27

#### Cable Ladder External Riser 90° Cover M/IDK

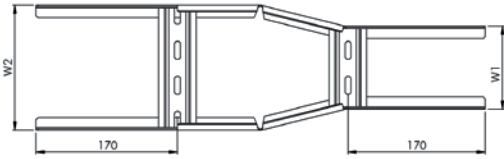
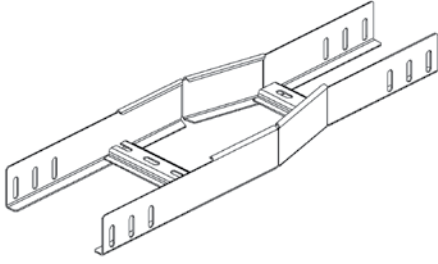
External riser cover is used to cover the top of the riser. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 4 pcs. KRC100KLP cover clips are required. M6 x 15 head round bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width/MIDK/Height/Thickness/Finish

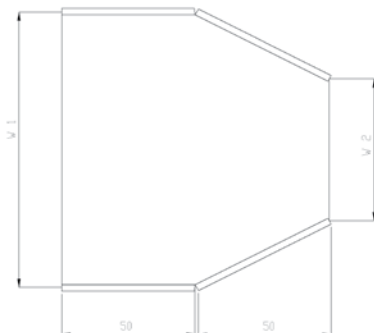
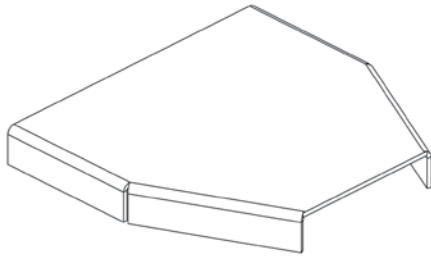
**Sample order details:** KRC100MIDK1312PG



### ■ Cable Ladder Reducer



### ■ Cable Ladder Reducer Cover



#### Cable Ladder Reducer

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100150MRD10015	100	150	100	1.5	1.60
2.	KRC150200MRD10015	150	200	100	1.5	1.64
3.	KRC200300MRD10015	200	300	100	1.5	1.76
4.	KRC300400MRD10020	300	400	100	2.0	2.50
5.	KRC400500MRD10020	400	500	100	2.0	2.66
6.	KRC500600MRD10020	500	600	100	2.0	2.83
7.	KRC600750MRD10020	600	750	100	2.0	3.10
8.	KRC750900MRD10020	750	900	100	2.0	3.34

#### Cable Ladder Reducer M/RD

Standard reducer is used to reduce the width of the ladders, keeping an equal width reduction along both sides in cable ladder systems. Range of widths from 100 mm to 900 mm. Left hand reducers and right hand reducers are available. Please specify the dimensions of W1, W2 with your order. For more details please contact our Sales Team.

**Mounting:** To connect the cable ladder with reduce use 24 pcs. M6 x 15 round head bolt and M6 flanged nut.

**Order details:** KRC/Width1/Width2/MRD/Height/Thickness/Finish

**Sample order details:** KRC100150MRD10015PG

#### Cable Ladder Reducer Cover

No	PRODUCT CODE	WIDTH 1 (mm)	WIDTH 2 (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100MRDK1312	100	150	13	1.2	0.32
2.	KRC150MRDK1312	150	200	13	1.2	0.40
3.	KRC200MRDK1312	200	300	13	1.2	0.57
4.	KRC300MRDK1315	300	400	13	1.5	0.76
5.	KRC400MRDK1315	400	500	13	1.5	1.19
6.	KRC500MRDK1315	500	600	13	1.5	1.42
7.	KRC600MRDK1315	600	750	13	1.5	2.34
8.	KRC750MRDK1320	750	900	13	2.0	2.80

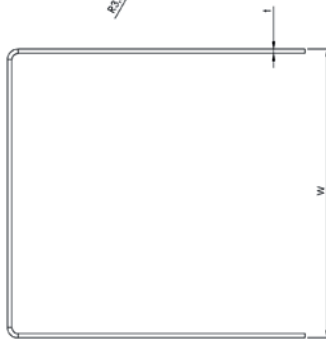
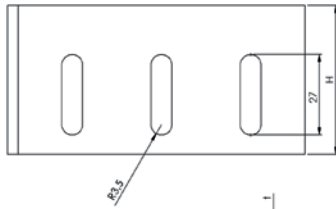
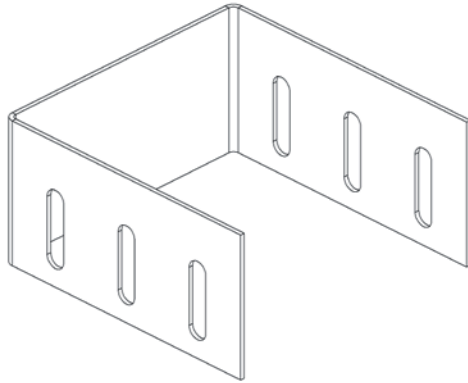
#### Cable Tray Reducer Cover M/RDK

Reducer cover is used to cover the top of the reducer. Range of widths from 100 mm to 900 mm, standard height is 13 mm. For each cover, 2 pcs. KRC100KLP cover clips are required. M6 x 15 round head bolt is used. Cover Clips are not provided and should be ordered separately.

**Order details:** KRC/Width1/Width2/MRDK/Height/Thickness/Finish

**Sample order details:** KRC100150MRDK1312PG

## ■ Cable Ladder End Cap



### Cable Ladder End Cap H:50 mm

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050KS5010	50	50	1.0	0.08
2.	KRC075KS5010	75	50	1.0	0.09
3.	KRC100KS5010	100	50	1.0	0.10
4.	KRC150KS5010	150	50	1.0	0.12
5.	KRC200KS5010	200	50	1.0	0.14
6.	KRC300KS5015	300	50	1.5	0.26
7.	KRC400KS5015	400	50	1.5	0.32
8.	KRC500KS5015	500	50	1.5	0.37
9.	KRC600KS5015	600	50	1.5	0.43
10.	KRC750KS5020	750	50	2.0	0.68
11.	KRC900KS5020	900	50	2.0	0.79

### Cable Ladder End Cap H:75 mm

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC075KS7510	75	75	1.0	0.14
2.	KRC100KS7510	100	75	1.0	0.16
3.	KRC150KS7510	150	75	1.0	0.19
4.	KRC200KS7510	200	75	1.0	0.21
5.	KRC300KS7515	300	75	1.5	0.40
6.	KRC400KS7515	400	75	1.5	0.49
7.	KRC500KS7515	500	75	1.5	0.57
8.	KRC600KS7515	600	75	1.5	0.66
9.	KRC750KS7520	750	75	2.0	1.05
10.	KRC900KS7520	900	75	2.0	1.22

### Cable Ladder End Cap H:100 mm

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC100KS10010	100	100	1.0	0.20
2.	KRC150KS10010	150	100	1.0	0.25
3.	KRC200KS10010	200	100	1.0	0.28
4.	KRC300KS10015	300	100	1.5	0.54
5.	KRC400KS10015	400	100	1.5	0.65
6.	KRC500KS10015	500	100	1.5	0.71
7.	KRC600KS10015	600	100	1.5	0.88
8.	KRC750KS10020	750	100	2.0	1.40
9.	KRC900KS10020	900	100	2.0	1.63

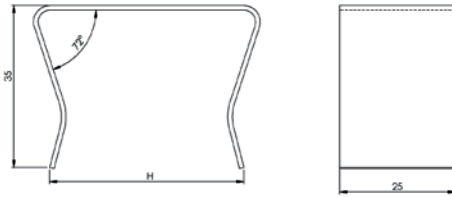
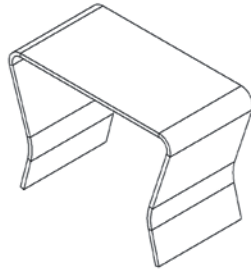
### Cable Ladder End Cap KS

End Caps provide an excellent termination of opening end of the ladder. For mountage M6x15 head round bolts and M6 flanged nuts are used.

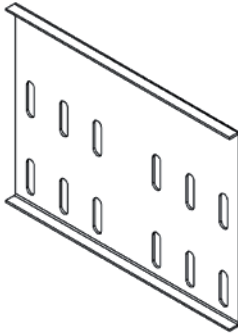
Order details: KRC/Width/KS/Height/Thickness/Finish

Sample order details: KRC050KS5010PG

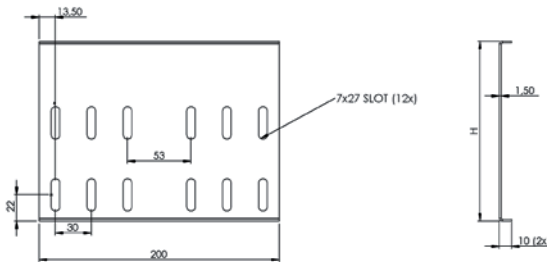
### ■ Cable Ladder Cover Clip



### ■ Cable Ladder Coupler



KRC050MEK10



### Cable Ladder Cover Clip

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050KLP	50	1.2	0.06
2.	KRC075KLP	75	1.2	0.07
3.	KRC100KLP	100	1.2	0.08

### Heavy Duty Cover Clips KLP

Cover clips are used to attached the cover to the ladder.  
Cover clips are supplied separately.

Order details: *KRC/Height/KLP/Finish*

Sample order details: *KRC050KLPPG*

### Cable Ladder Coupler

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050MEK10	180	50	1.5	0.14
2.	KRC075MEK10	180	75	1.5	0.20
3.	KRC100MEK10	180	100	1.5	0.25

### Cable Ladder Cable Ladder Coupler MEK

Coupler are used to connect the ladder with ladder or ladder with internal/external raiser. All cable Ladder couplers are supplied separately, already completed with required fasteners (M6x15 round head bolt and M6 flanged nut). For wider widths (300 mm, 400 mm 500 mm, 600 mm, 750 mm, 900 mm) to support the base, fishplate couplers can be used.

Order details: *KRC/Height/MEK/Finish*

Sample order details: *KRC050MEK10PG*

## PRODUCT INFORMATION

Trunking is an enclosure provided for the protection of cables which is normally square or rectangular in cross-section, having one removable side. Trunking may be thought of as simply a larger and more accessible conduit system. The standard length of trunking is 3000 mm, available in 50 mm to 400 mm widths, with the side height of 50 mm up to 400 mm. Metal trunking is used extensively in engineering premises. It allows a large number of cables to be drawn into one system with relative ease and because of its accessibility enables changes or additions to circuits to be made with the minimum of effort.

## DIMENSIONS:

Width: 50 mm, 75 mm, 100 mm, 150 mm, 200 mm, 300 mm, 400 mm

Height: 50 mm, 75 mm, 100 mm, 150 mm, 200 mm, 300 mm, 400 mm

Length: 3000 mm (Available in 2440 mm length)

Thickness: 1.5 mm. (Available in the following thicknesses: 1.0 mm, 1.2 mm, 1.5 mm, 2.00 mm)

*\*special sizes upon request*

## FINISHES

### STANDARD FINISHES:

PG Pre-Galvanized steel to BS EN 10327 grade  
DX51D+Z100finish



# TRUNKING

## SELECTION RANGE:

Trunking  
Trunking Cover  
Connector  
Horizontal Bend 45°  
Horizontal Bend 90°  
Reducer

Tee Bend  
Crossover  
Internal Riser  
External Risers  
End Cap

*All Trunkings are available with accessories and covers*

**Standard Type Trunking p.86**

**Screw Type Trunking p.87**

**Underfloor Trunking p.100**

**Junction Boxes p.102**





# TRUNKING SPECIFICATIONS

## A - Trunking Design

- Trunking is two piece design with a base and cover. The base might be divided with fixed separators for up to 3 compartments depending on the trunking width.
- The inside of the trunking is a smooth surface which prevent from damages and allows easier cable pulling.
- Trunking accessories are accurately formed to close tolerances and all edges rounded. Flanges have full round smooth edges.
- Trunking accessories shall be made of the same material as the trunking whenever possible.

## B - Trunking Dimensions

Trunking is an enclosure provided for the protection of cables which is normally square or rectangular in cross-section, having one removable side. Trunking may be thought of as simply a larger and more accessible conduit system. The standard length of trunking is 3000 mm, available in 50 mm to 400 mm widths, with the side height of 50 mm up to 400 mm. Metal trunking is used extensively in engineering premises. It allows a large number of cables to be drawn into one system with relative ease and because of its accessibility enables changes or additions to circuits to be made with the minimum of effort.

**Width:** 50 mm, 75 mm, 100 mm, 150 mm, 200 mm, 300 mm, 400 mm

**Height:** 50 mm, 75 mm, 100 mm, 150 mm, 200 mm, 300 mm, 400 mm

**Length:** 3000 mm (*Available in 2440 mm length*)

**Thickness:** 1.5 mm. (Available in the following thicknesses: 1.0 mm, 1.2 mm, 1.5 mm, 2.00 mm)

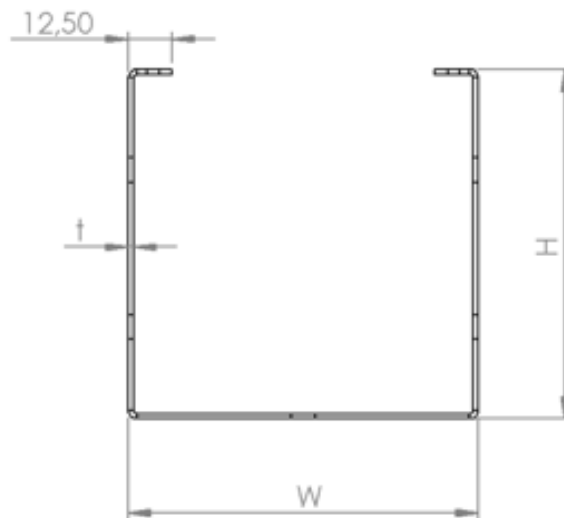
*All trunkings are available with accessories and covers. Special sizes are upon request.*

## C - Side Heights

Kıraç Metal trunkings are available in the following side wall heights: 50 mm, 75 mm, 100 mm and 150 mm, 200 mm, 300 mm, 400 mm. Additional wall heights are upon request. For more details please contact our Sales Team.

## D - Profiles:

Trunking H: 50 mm, 75 mm, 100 mm, 150 mm, 200 mm, 300 mm, 400 mm



### E - Trunking Accessories Radius

Accessories are available in the following standard radiuses: 90° and 135°.

### F - Material Thicknesses

The standard range of material thickness for all Kiraç Metal trunking and accessories was determined by providing the most cost effective thickness for each material type. The following table shows the standard material thickness for each trunking. The trunking shall have a minimum thickness as follows for Pre-Galvanized trunking:

#### Trunking

1.5 mm for trunking of widths 50 mm to 400 mm

Product Name	Width (mm)	GI Mild Steel (mm)
Trunking and Accessories	50	Between 1.0 mm - 2.5 mm
	75	
	100	
	150	
	200	
	300	
	400	

### G - Fixings for Trunking and Accessories

The standard trunking fixing elements comprise of M6x12 round head bolts and M6 flanged nut.

### H - Loading Capabilities

Trunking shall meet the load/span designation in accordance with IEC 61537.

## Installation System Overview

Kıraç Metal offers a wide variety of wall brackets, cantilevers, profiles and hangers with various weight bearing capabilities depending on the type and size of the tray system.



Ceiling L Support System  
*See details p.106*



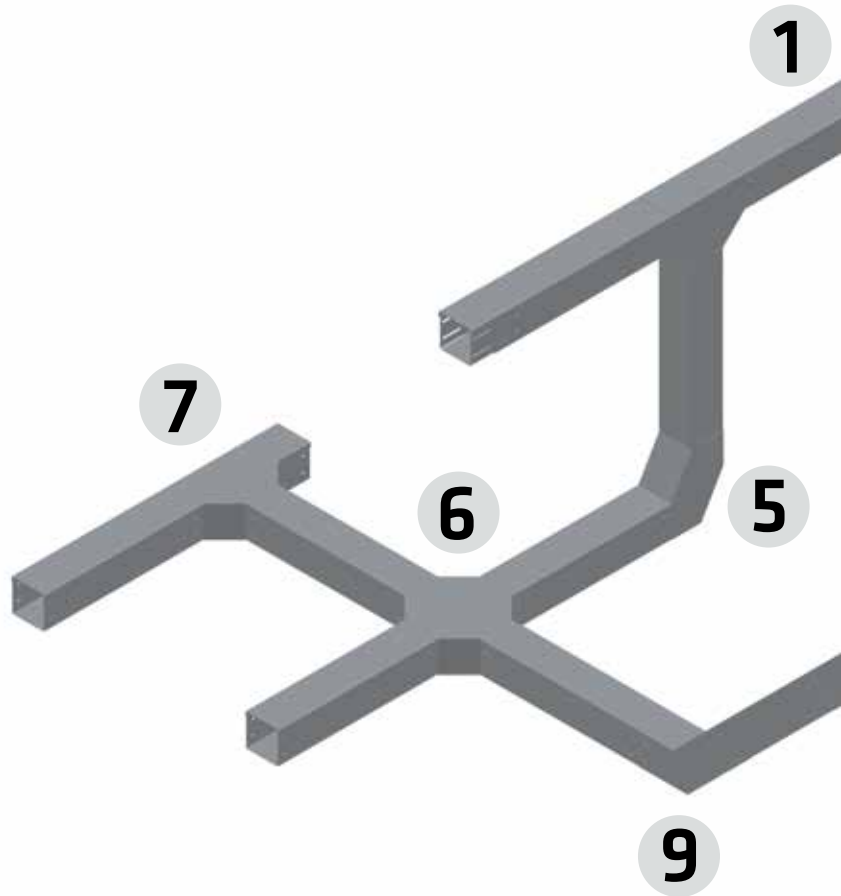
Ceiling U Support System  
*See details p.108*



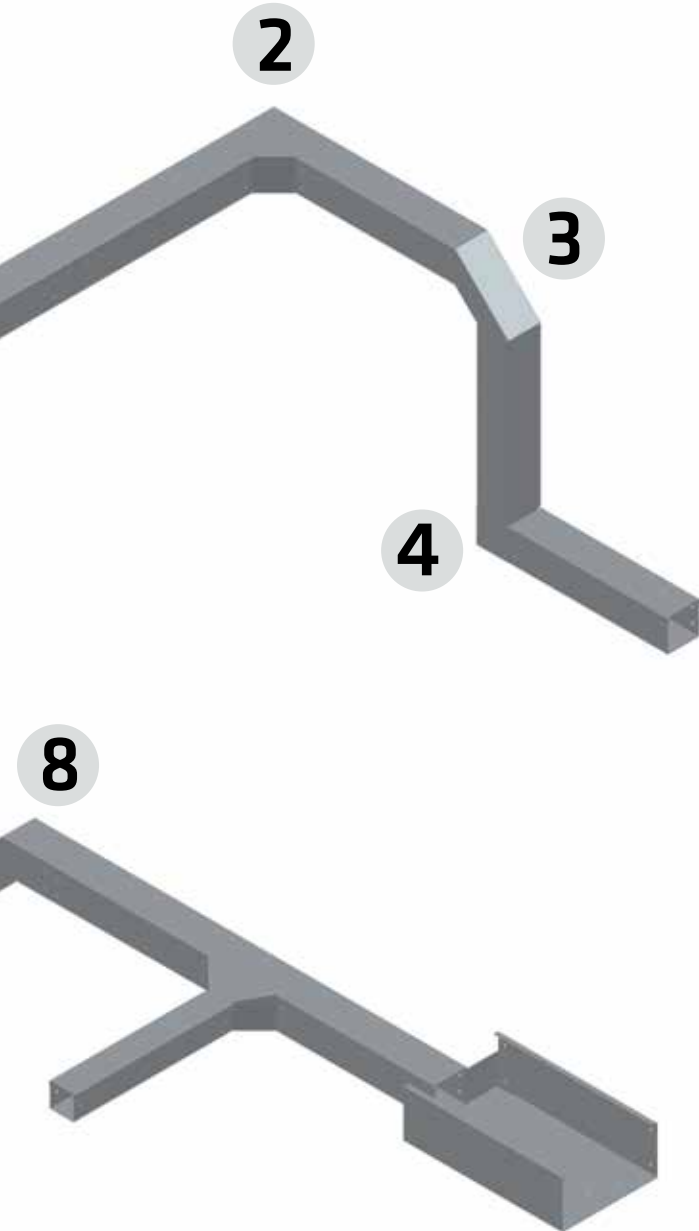
Wall Support System  
*See details p.110*



I80 Support System  
*See details p.116*



## TRUNKING

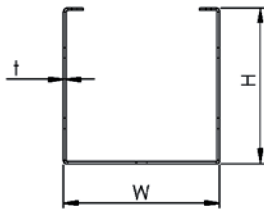
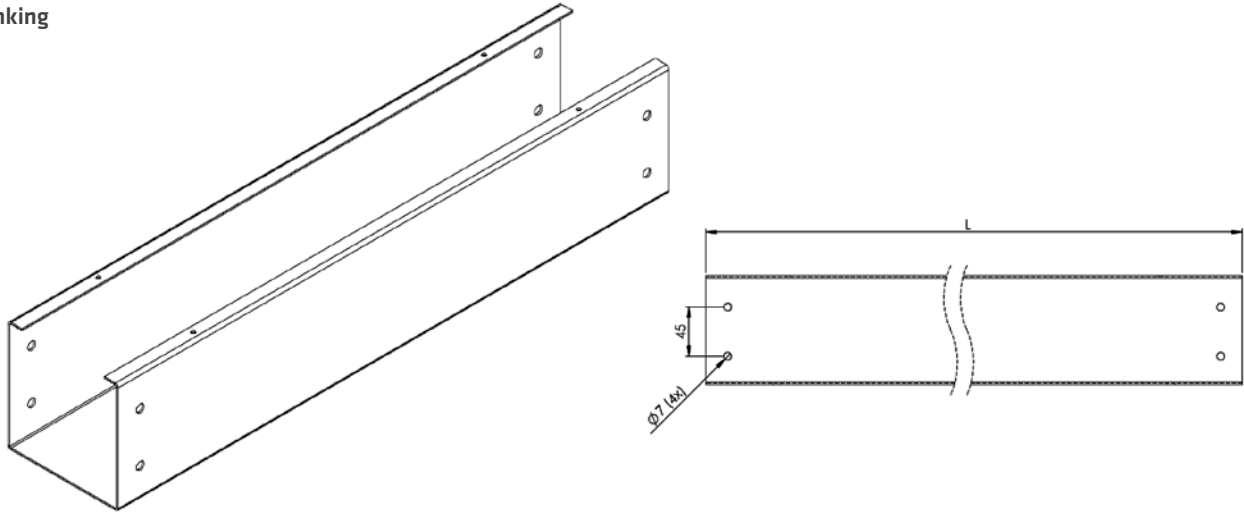


- 1 Trunking
- 2 Horizontal Bend 90°
- 3 External Riser 90°
- 4 Tee Vertical Connection Box
- 5 Internal Riser 90°
- 6 Crossover
- 7 Tee Bend
- 8 External Riser 135°
- 9 Internal Riser 135°

## KRC TRUNKING

KRC WIDTH [mm] TK HEIGHT [mm] THICKNESS [mm] FINISH code explanation

### ■ Trunking



Trunking						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)*	WEIGHT (kg/mt)
1.	KRC050TK5015	50	50	1.5	3000	2.66
2.	KRC075TK7515	75	75	1.5	3000	2.80
3.	KRC100TK10015	100	100	1.5	3000	3.70
4.	KRC150TK10015	150	100	1.5	3000	4.30
5.	KRC150TK15015	150	150	1.5	3000	5.50
6.	KRC200TK10015	200	100	1.5	3000	4.90
7.	KRC300TK15015	300	150	1.5	3000	7.30
8.	KRC200TK20015	200	200	1.5	3000	7.26
9.	KRC300TK30015	300	300	1.5	3000	10.80
10.	KRC400TK40015	400	400	1.5	3000	14.35

### Trunking TK

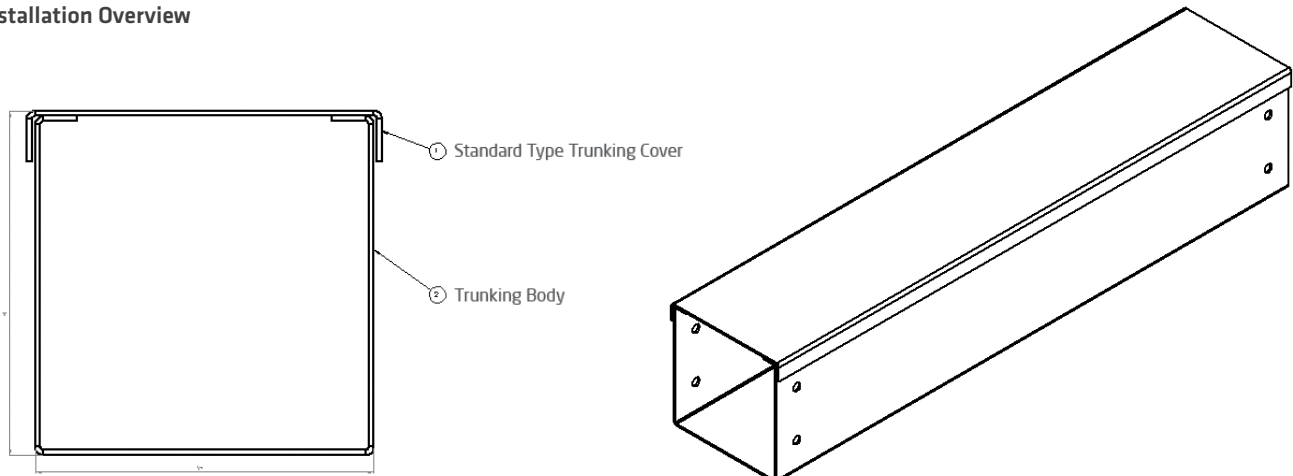
For each trunking unit, 2 straight connectors must be ordered separately. For trunking with height 50 mm, 75 mm 2 pcs. M6 x 12head round bolts and M6 flanged nut are used, for trunking with heights 100 mm, 150 mm, 200 mm, 300 mm, 400 mm 4 pcs. of M6 x 12 round head bolts and M6 flanged nut are recommended.

*\*Available in 2440 mm length.*

Order details: KRC/Width/TK/Height/Thickness/Finish

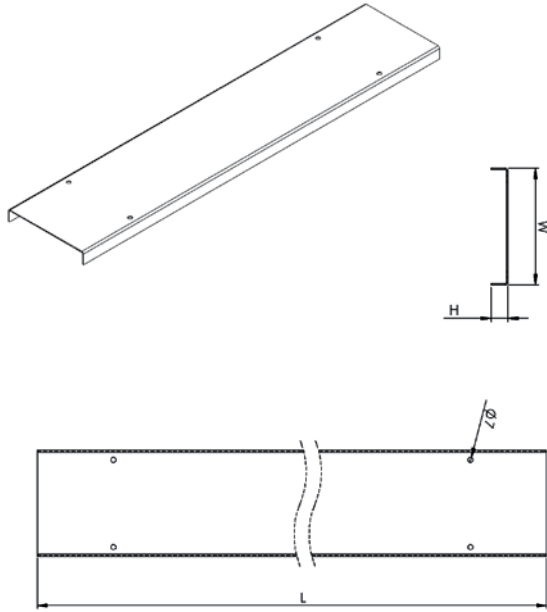
Sample order details: KRC050TK5015PG

### ■ Installation Overview





### Standard Type Trunking Cover



Standard Type Trunking Cover						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)*	WEIGHT (kg/mt)
1.	KRC050TKK1515	50	15	1.5	3000	0.72
2.	KRC075TKK1515	75	15	1.5	3000	0.96
3.	KRC100TKK1515	100	15	1.5	3000	1.24
4.	KRC150TKK1515	150	15	1.5	3000	1.66
5.	KRC200TKK1515	200	15	1.5	3000	2.14
6.	KRC300TKK1515	300	15	1.5	3000	3.08
7.	KRC400TKK1515	400	15	1.5	3000	5.08

#### Standard Type Trunking Cover TTK

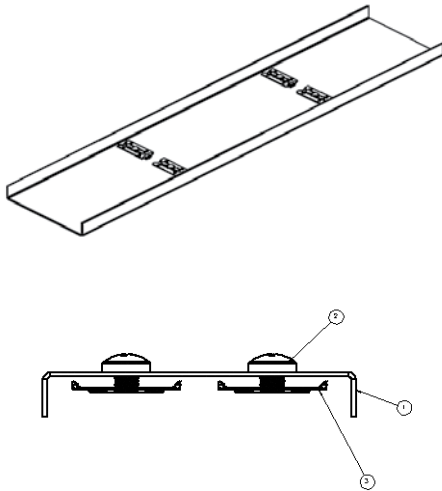
Trunking Cover is used to cover the top of the trunking body, providing mechanical and environmental protection for installed cables in trunking system. Range of widths from 50 mm to 400 mm, standard height is 15 mm and length 3000 mm. For installation, 4 pcs. M6 x 12 round head bolt is used.

*\*Available in 2440 mm length.*

Order details: KRC/Width/TKK/Height/Thickness/Finish

Sample order details: KRC050TKK1515PG

### Screw Type Trunking Cover



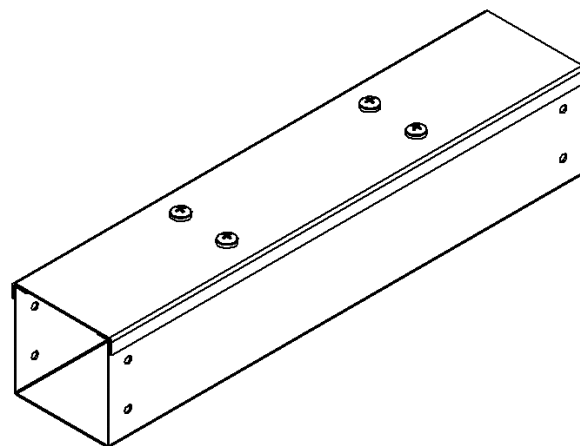
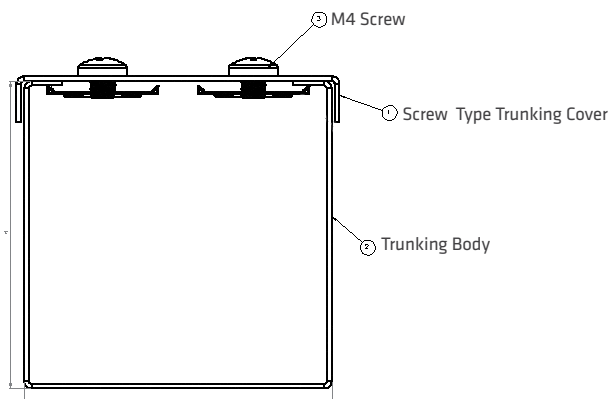
Screw Type Trunking Cover						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)*	WEIGHT (kg/mt)
1.	KRC050TKSK1515	50	15	1.5	3000	0.73
2.	KRC075TKSK1515	75	15	1.5	3000	0.97
3.	KRC100TKSK1515	100	15	1.5	3000	1.25
4.	KRC150TKSK1515	150	15	1.5	3000	1.67
5.	KRC200TKSK1515	200	15	1.5	3000	2.15
6.	KRC300TKSK1515	300	15	1.5	3000	3.09
7.	KRC400TKSK1515	400	15	1.5	3000	5.09

#### Screw Type Trunking Cover TKSK

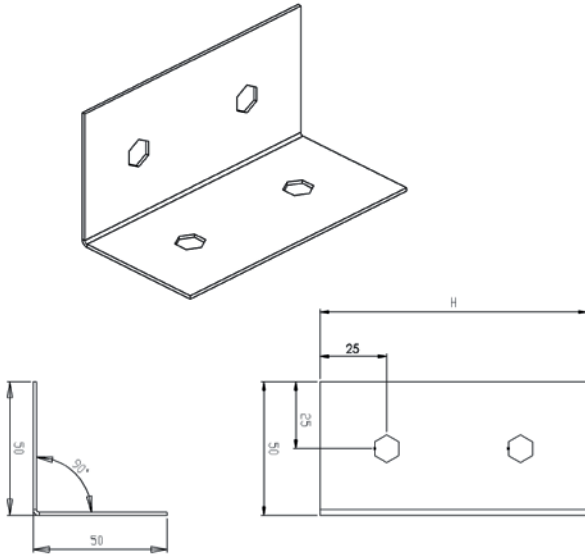
Trunking Cover is used to cover the top of the trunking body, providing mechanical and environmental protection for installed cables in trunking system. Range of widths from 50 mm to 400 mm, standard height is 15 mm and length 3000 mm. For installation, 4 pcs. M6 x 12 round head bolt is used.

*\*Available in 2440 mm length.*

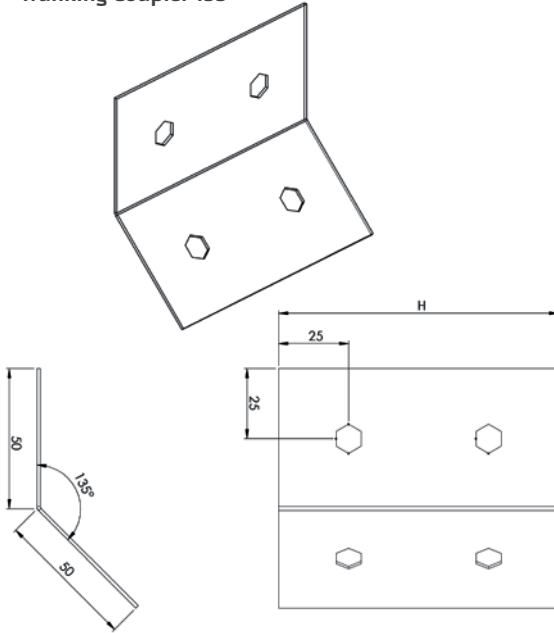
### Installation Overview



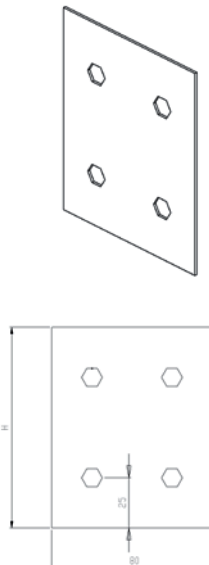
### Trunking Coupler 90°



### Trunking Coupler 135°



### Trunking Coupler 180°



#### Trunking Coupler 90°

No	PRODUCT CODE	LENGTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKEK15R90	50	50	1.5	0.05
2.	KRC075TKEK15R90	50	75	1.5	0.07
3.	KRC100TKEK15R90	50	100	1.5	0.12
4.	KRC150TKEK15R90	50	150	1.5	0.18
5.	KRC200TKEK15R90	50	200	1.5	0.22
6.	KRC300TKEK15R90	50	300	1.5	0.33
7.	KRC400TKEK15R90	50	400	1.5	0.45

#### Trunking Coupler 90° TK/EK

Couplers are used to connect the trunking with trunking or trunking with internal/external raiser. All trunking couplers are supplied separately, already completed with required fasteners (M6x12 round head bolt and M6 flanged nut).

Order details: KRC/Height/TK/EK/Thickness/Radius/Finish

Sample order details: KRC050TKEK15R90PG

#### Trunking Coupler 135°

No	PRODUCT CODE	LENGTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKEK15R135	50	50	1.5	0.05
2.	KRC075TKEK15R135	50	75	1.5	0.08
3.	KRC100TKEK15R135	50	100	1.5	0.11
4.	KRC150TKEK15R135	50	150	1.5	0.17
5.	KRC200TKEK15R135	50	200	1.5	0.22
6.	KRC300TKEK15R135	50	300	1.5	0.34
7.	KRC400TKEK15R135	50	400	1.5	0.46

#### Trunking Coupler 135° TK/EK

Couplers are used to connect the trunking with trunking or trunking with internal/external raiser. All trunking couplers are supplied separately, already completed with required fasteners (M6x12 round head bolt and M6 flanged nut).

Order details: KRC/Height/TK/EK/Thickness/Radius/Finish

Sample order details: KRC050TKEK15R135PG

#### Trunking Coupler 180°

No	PRODUCT CODE	LENGTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKEK15R180	80	50	1.5	0.07
2.	KRC075TKEK15R180	80	75	1.5	0.11
3.	KRC100TKEK15R180	80	100	1.5	0.13
4.	KRC150TKEK15R180	80	150	1.5	0.15
5.	KRC200TKEK15R180	80	200	1.5	0.18
6.	KRC300TKEK15R180	80	300	1.5	0.28
7.	KRC400TKEK15R180	80	400	1.5	0.37

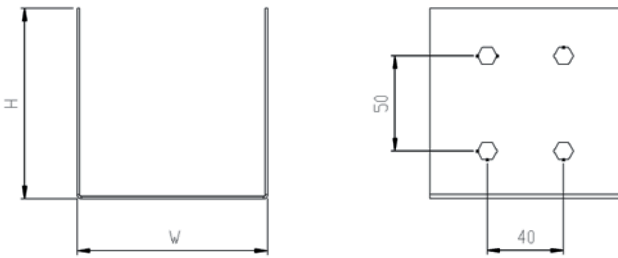
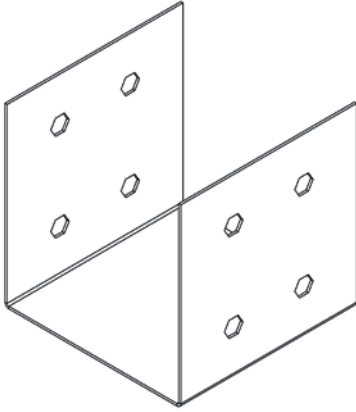
#### Trunking Coupler 180° TK/EK

Couplers are used to connect the trunking with trunking or trunking with internal/external raiser. All trunking couplers are supplied separately, already completed with required fasteners (M6x12 round head bolt and M6 flanged nut).

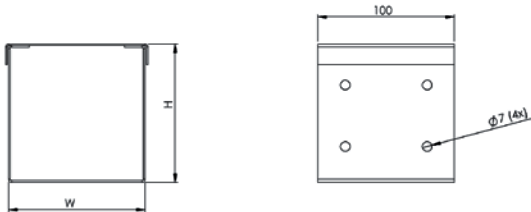
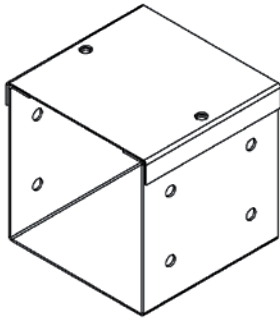
Order details: KRC/Height/TK/EK/Thickness/Radius/Finish

Sample order details: KRC050TKEK15R180PG

### ■ Trunking U Coupler



### ■ Trunking Connection Part



#### Trunking U Coupler

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)	WEIGHT (kg/pcs)
1.	KRC050TKEK05015	50	50	1.5	100	0.15
2.	KRC075TKEK07515	75	75	1.5	100	0.23
3.	KRC100TKEK10015	100	100	1.5	100	0.33
4.	KRC150TKEK10015	150	100	1.5	100	0.38
5.	KRC150TKEK15015	150	150	1.5	100	0.50
6.	KRC200TKEK10015	200	100	1.5	100	0.51
7.	KRC300TKEK15015	300	150	1.5	100	0.75
8.	KRC200TKEK20015	200	200	1.5	100	0.68
9.	KRC300TKEK30015	300	300	1.5	100	1.03
10.	KRC400TKEK40015	400	400	1.5	100	1.39

#### Trunking Coupler TK/EK

Coupler are used to connect the trunking with trunking or trunking with internal/external raiser. All trunking couplers are supplied separately, already completed with required fasteners (M6x12 round head bolt and M6 flanged nut)

Order details: KRC/Width/TK/EK/Height/Thickness/Finish

Sample order details: KRC050TKEK05015 PG

#### Trunking Connection Part

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)	WEIGHT (kg/pcs)
1.	KRC050TKSK05015	50	50	100	1.5	0.30
2.	KRC075TKSK07515	75	75	100	1.5	0.40
3.	KRC100TKSK10015	100	100	100	1.5	0.52
4.	KRC150TKSK10015	150	100	100	1.5	0.65
5.	KRC150TKSK15015	150	150	100	1.5	0.76
6.	KRC200TKSK10015	200	100	100	1.5	0.76
7.	KRC200TKSK20015	200	200	100	1.5	1.00
8.	KRC300TKSK15015	300	150	100	1.5	1.11
9.	KRC300TKSK30015	300	300	100	1.5	1.47
10.	KRC400TKSK40015	400	400	100	1.5	1.94

#### Trunking Connection Part TK/SK

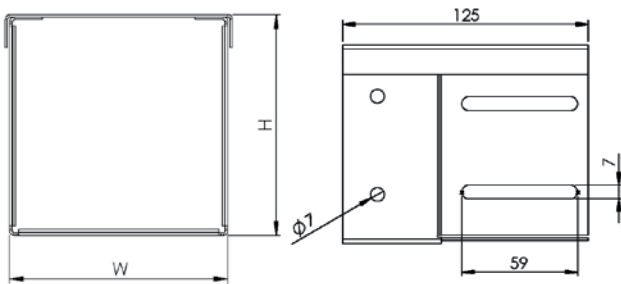
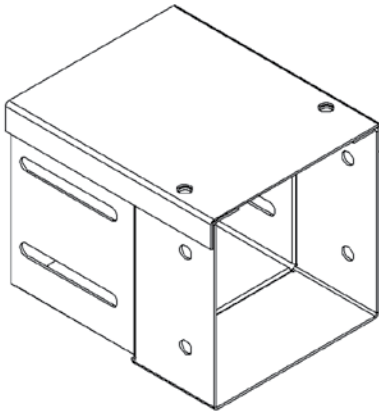
Trunking Connection Part is used as a connector in trunking system. Range of widths from 50mm to 400mm.

**Mounting:** To connect the connection part with trunking use 2 pcs straight couplers. For trunking with height 50mm and 75mm 2 pcs. M6x12 round head bolts are required, for trunking with height up to 400mm 8 pcs. M6x12 round round bolts are required.

Order details: KRC/Width/TK/SK/Height/Thickness/Finish

Sample order details: KRC050TKSK05015 PG

### Trunking Moveable Coupler



Trunking Moveable Coupler						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)	WEIGHT (kg/pcs)
1.	KRC050TKHEK05015	50	50	1.5	125	0.21
2.	KRC075TKHEK07515	75	75	1.5	125	0.41
3.	KRC100TKHEK10015	100	100	1.5	125	0.6
4.	KRC150TKHEK10015	150	100	1.5	125	0.76
5.	KRC150TKHEK15015	150	100	1.5	125	0.90
6.	KRC200TKHEK10015	200	100	1.5	125	0.79
7.	KRC200TKHEK20015	200	200	1.5	125	1.20
8.	KRC300TKHEK15015	300	150	1.5	125	1.19
9.	KRC300TKHEK30015	300	300	1.5	125	1.80
10.	KRC400TKHEK40015	400	400	1.5	125	2.39

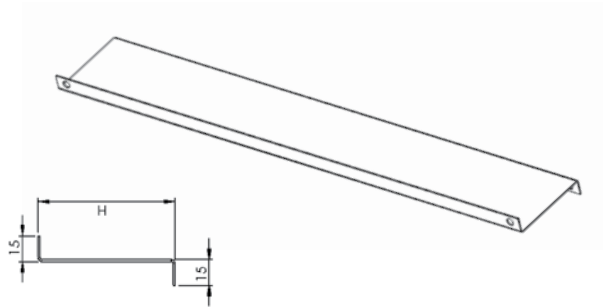
#### Trunking Moveable Coupler TK/HEK

Couplers are used to connect the trunking with trunking or trunking with internal/external raiser. For trunking with height 50 mm and 75 mm 2 pcs. M6x12 round head bolts are required, for trunking with height up to 400 mm 4 pcs. For cover 2 pcs. M6x12 taptite bolts are used.

Order details: KRC/Width/TKHEK/Height/Thickness/Finish

Sample order details: KRC050TKHEK05015PG

### Trunking Separator



Trunking Separator					
No	PRODUCT CODE	HEIGHT (mm)	LENGTH (mm)*	THICKNESS (mm)	WEIGHT (kg/mt)
1.	KRC050TKSEP15	50	3000	1.5	0.27
2.	KRC075TKSEP15	75	3000	1.5	0.40
3.	KRC100TKSEP15	100	3000	1.5	0.51
4.	KRC150TKSEP15	150	3000	1.5	0.76
5.	KRC200TKSEP15	200	3000	1.5	1.00
6.	KRC300TKSEP15	300	3000	1.5	1.48
7.	KRC400TKSEP15	400	3000	1.5	1.97

#### Trunking Separator TK/SEP

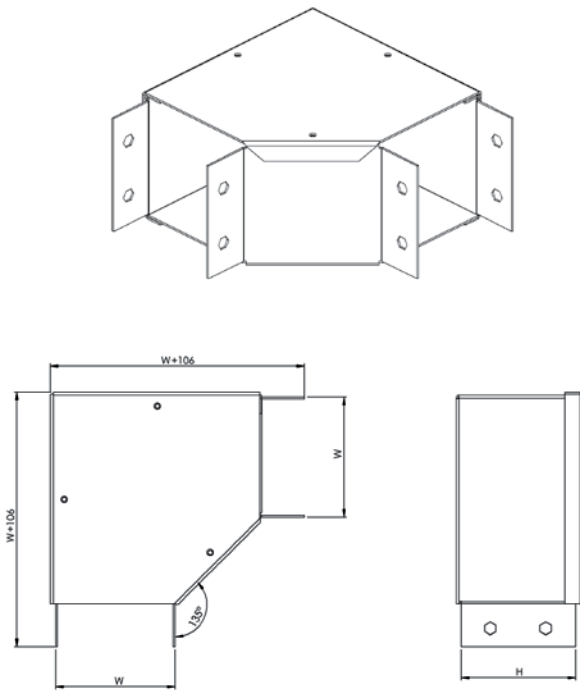
Trunking Separators are mostly used for separation purposes / cables etc. The standard length of separator is 3000 mm. For fixing M6x12 taptite bolts are used (min. 2 fixings required per fitting separator).

\*Available in 2440 mm length.

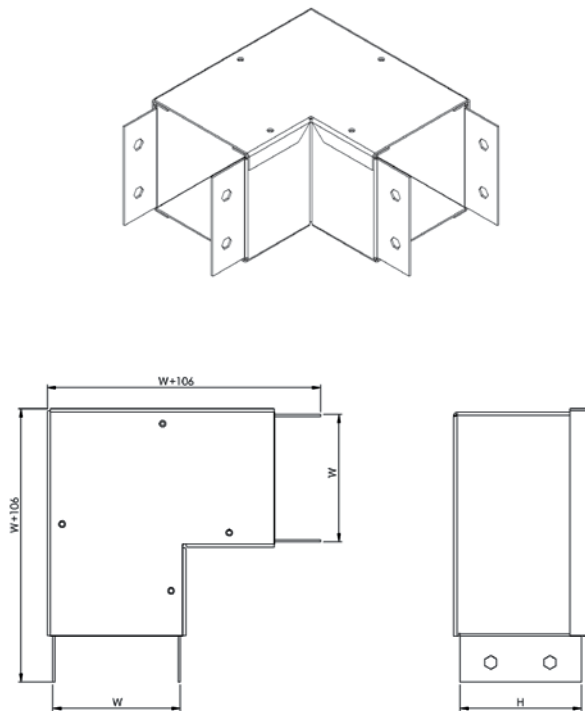
Order details: KRC/Height/TK/SEP/Thickness/Finish

Sample order details: KRC050TKSEP15PG

## ■ Trunking Horizontal Bend



## ■ Trunking Horizontal Bend 90°



### Trunking Horizontal Bend

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKKD05015	50	50	1.5	0.66
2.	KRC075TKKD07515	75	75	1.5	0.92
3.	KRC100TKKD10015	100	100	1.5	1.46
4.	KRC150TKKD10015	150	100	1.5	2.45
5.	KRC150TKKD15015	150	150	1.5	2.49
6.	KRC200TKKD10015	200	100	1.5	2.90
7.	KRC200TKKD20015	200	200	1.5	3.72
8.	KRC300TKKD15015	300	150	1.5	5.7
9.	KRC300TKKD30015	300	300	1.5	6.95
10.	KRC400TKKD40015	400	400	1.5	11.09

### Trunking Horizontal Bend TK/KD

Used to make a smooth, horizontal change in trunking direction to turn the trunking system on the right or on the left on the same plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 2 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required.

**Order details:** KRC/Width/TK/KD/Height/Thickness/Finish

**Sample order details:** KRC050TKKD05015R90PG

### Trunking Horizontal Bend 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKKD05015R90	50	50	1.5	0.65
2.	KRC075TKKD07515R90	75	75	1.5	0.90
3.	KRC100TKKD10015R90	100	100	1.5	1.50
4.	KRC150TKKD10015R90	150	100	1.5	2.12
5.	KRC150TKKD15015R90	150	150	1.5	2.55
6.	KRC200TKKD10015R90	200	100	1.5	3.00
7.	KRC200TKKD20015R90	200	200	1.5	3.84
8.	KRC300TKKD15015R90	300	150	1.5	5.73
9.	KRC300TKKD30015R90	300	300	1.5	7.20
10.	KRC400TKKD40015R90	400	400	1.5	11.38

### Trunking Horizontal Bend 90° TK/KD

Used to make a smooth, 90° horizontal change in trunking direction to turn the trunking system on the right or on the left on the same plane. Range of widths from 50 mm to 400 mm. Horizontal elbows are available in fixed angles of 30°, 45°, 60° and 90°.

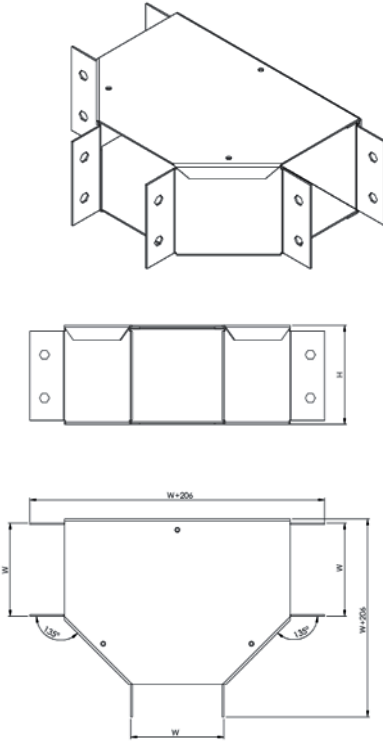
**Mounting:** For trunking with height 50 mm and 75 mm use 2 pcs. M6x12 head round bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required.

**Order details:** KRC/Width/TK/KD/Height/Thickness/Radius/Finish

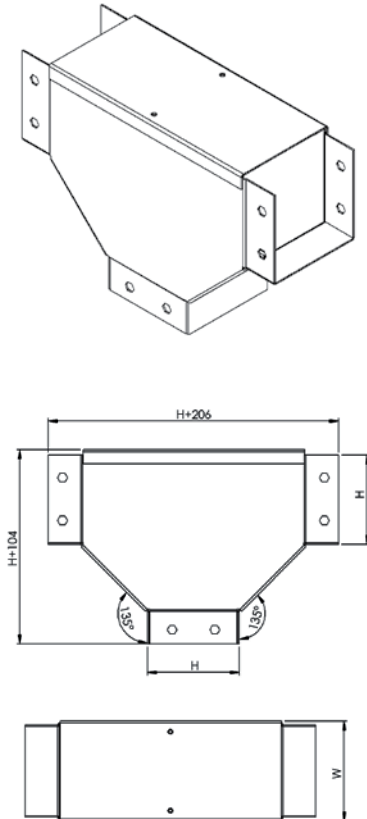
**Sample order details:** KRC050TKKD05015R90PG



### Trunking Tee Bend



### Trunking Vertical Tee Bend



#### Trunking Tee Bend

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKTD05015	50	50	1.5	0.9
2.	KRC075TKTD07515	75	75	1.5	1.31
3.	KRC100TKTD10015	100	100	1.5	1.75
4.	KRC150TKTD10015	150	100	1.5	3.06
5.	KRC150TKTD15015	150	150	1.5	3.52
6.	KRC200TKTD10015	200	100	1.5	3.51
7.	KRC200TKTD20015	200	200	1.5	6.05
8.	KRC300TKTD15015	300	150	1.5	5.77
9.	KRC300TKTD30015	300	300	1.5	13.25
10.	KRC400TKTD40015	400	400	1.5	18.64

#### Trunking Tee Bend TK/TD

Tee bend is used to turn the trunking system on the other way on the same plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 6 pcs. M6x12 head round bolts, for trunking with height up to 400 mm 12 pcs. M6x12 round head bolts are required. For riser cover 3 pcs. M6x12 taptite bolts are used.

**Order details:** KRC/Width/TK/TD/Height/Thickness/Finish

**Sample order details:** KRC050TKTD05015PG

#### Trunking Vertical Tee Bend

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKDT05015	50	50	1.5	0.56
2.	KRC075TKDT07515	75	75	1.5	1.12
3.	KRC100TKDT10015	100	100	1.5	1.87
4.	KRC150TKDT10015	150	100	1.5	2.42
5.	KRC150TKDT15015	150	150	1.5	2.99
6.	KRC200TKDT10015	200	100	1.5	3.13
7.	KRC200TKDT20015	200	200	1.5	4.27
8.	KRC300TKDT15015	300	150	1.5	4.77
9.	KRC300TKDT30015	300	300	1.5	7.39
10.	KRC400TKDT40015	400	400	1.5	11.21

#### Trunking Vertical Tee Bend TK/DT

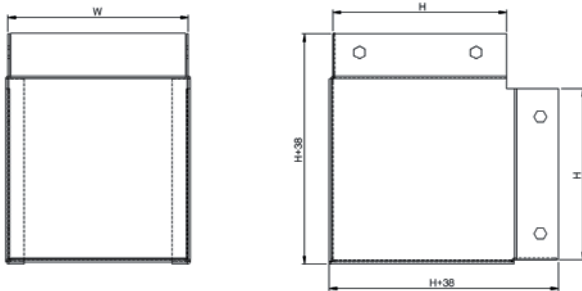
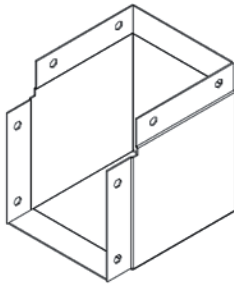
Vertical Tee Bend is used to change the direction upward from the horizontal plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 6 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 12 pcs. M6x12 head round bolts are required. For vertical Tee bend cover 2 pcs. M6x12 taptite bolts are used.

**Order details:** KRC/Width/TK/DT/Height/Thickness/Finish

**Sample order details:** KRC050TKDT05015PG

### Trunking Vertical Connection Box



Trunking Vertical Connection Box					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKDI05015	50	50	1.5	0.26
2.	KRC075TKDI07510	75	75	1.5	0.45
3.	KRC100TKDI10015	100	100	1.5	0.76
4.	KRC150TKDI10015	150	100	1.5	0.90
5.	KRC150TKDI15015	150	150	1.5	1.49
6.	KRC200TKDI10015	200	100	1.5	1.13
7.	KRC200TKDI20015	200	200	1.5	2.46
8.	KRC300TKDI15015	300	150	1.5	2.23
9.	KRC300TKDI30015	300	300	1.5	5.13
10.	KRC400TKDI40015	400	400	1.5	8.74

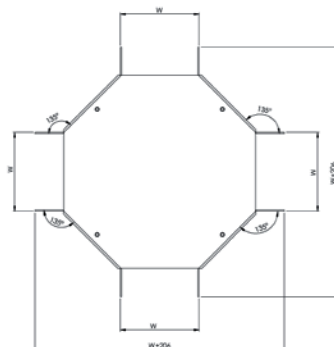
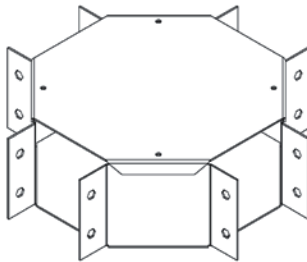
#### Trunking Vertical Tee Bend TK/DI

Vertical Connection Box is used to change the direction upward from the horizontal plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 4 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required.

**Order details:** KRC/Width/TK/DI/Height/Thickness/Finish  
**Sample order details:** KRC050TKDI05015PG

### Trunking Crossover



Trunking Crossover					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKDD05015	50	50	1.5	0.58
2.	KRC075TKDD07515	75	75	1.5	1.2
3.	KRC100TKDD10015	100	100	1.5	2.02
4.	KRC150TKDD10015	150	100	1.5	3.57
5.	KRC150TKCR15015	150	150	1.5	4.06
6.	KRC200TKDD10015	200	100	1.5	3.98
7.	KRC200TKCR20015	200	200	1.5	5.43
8.	KRC300TKCR15015	300	150	1.5	6.24
9.	KRC300TKCR30015	300	300	1.5	8.54
10.	KRC400TKCR40015	400	400	1.5	12.12

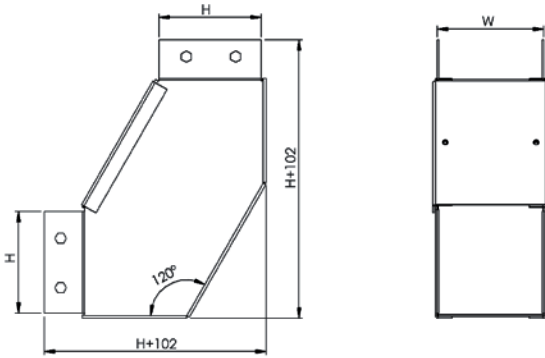
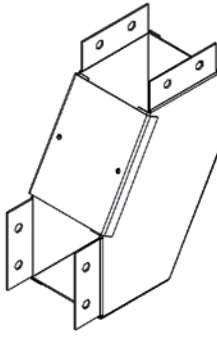
#### Trunking Crossover TK/DD

Crossover is used to turn the trunking system on the other way on the same plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 8 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 16 pcs. M6x12 round head bolts are required. For riser cover 4 pcs. M6x12 tapite bolts are used.

**Order details:** KRC/Width/TK/DD/Height/Thickness/Finish  
**Sample order details:** KRC050TKDD05015PG

### ■ Trunking Internal Riser 90°



Trunking Internal Riser 90°					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKID05015	50	50	1.5	0.51
2.	KRC075TKID07510	75	75	1.5	0.93
3.	KRC100TKID10015	100	100	1.5	1.53
4.	KRC150TKID10015	150	100	1.5	1.90
5.	KRC150TKIR15015	150	150	1.5	3.11
5.	KRC200TKID10015	200	100	1.5	2.48
7.	KRC200TKIR20015	200	200	1.5	4.58
8.	KRC300TKIR15015	300	150	1.5	4.17
9.	KRC300TKIR30015	300	300	1.5	8.22
10.	KRC3000TKIR30015	300	300	1.5	12.82

#### Trunking Internal Riser 90° TK/ID

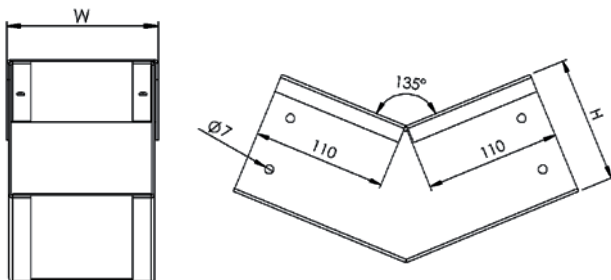
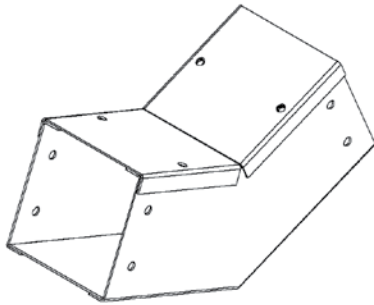
Internal riser is used to change the direction upward from the horizontal plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 2 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required. For riser cover 2 pcs. M6x12 tapite bolts are used.

**Order details:** KRC/Width/TK/ID/Height/Thickness/Finish

**Sample order details:** KRC050TKID05015PG

### ■ Trunking Internal Riser 135°



Trunking Internal Riser 135°					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKID05015R135	50	50	1.5	0.77
2.	KRC075TKID07515R135	75	75	1.5	1.09
3.	KRC100TKID10015R135	100	100	1.5	1.44
4.	KRC150TKID10015R135	150	100	1.5	1.75
5.	KRC150TKID15015R135	150	150	1.5	2.26
6.	KRC200TKID10015R135	200	100	1.5	2.06
7.	KRC200TKID20015R135	200	200	1.5	3.10
8.	KRC300TKID15015R135	300	150	1.5	3.21
9.	KRC300TKID30015R135	300	300	1.5	5.13
10.	KRC400TKID40015R135	400	400	1.5	7.56

#### Trunking Internal Riser 135° TK/ID

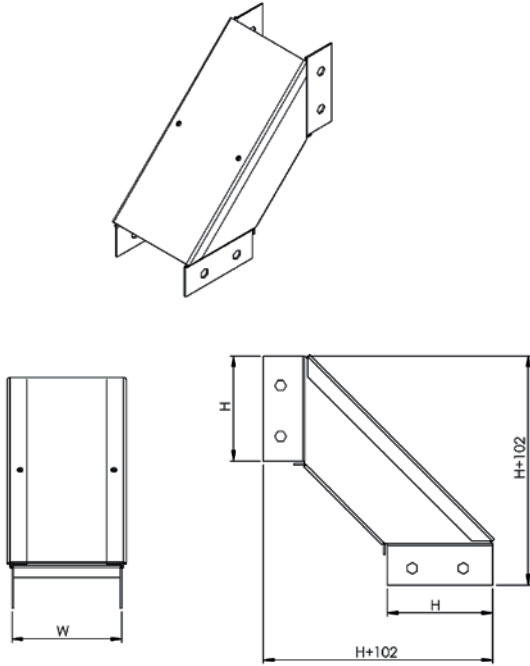
Internal riser is used to change the direction upward from the horizontal plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 4 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required. For riser cover 4 pcs. M6x12 tapite bolts are used.

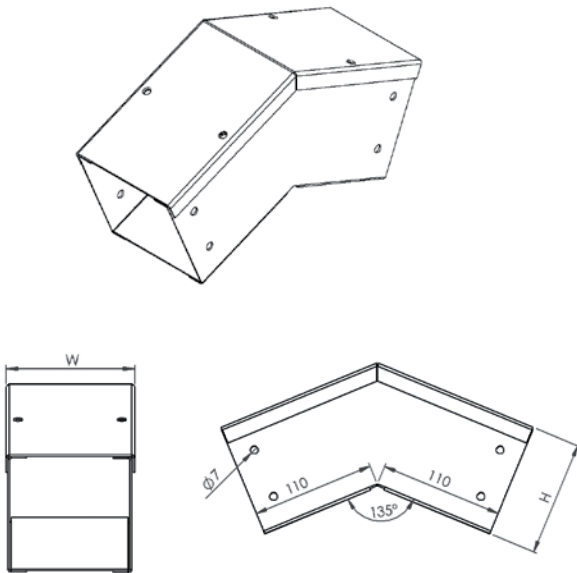
**Order details:** KRC/Width/TK/ID/Height/Thickness/Radius/Finish

**Sample order details:** KRC050TKID05015R135PG

### ■ Trunking External Riser 90°



### ■ Trunking External Riser 135°



#### Trunking External Riser 90°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKID05015	50	50	1.5	0.36
2.	KRC075TKID07515	75	75	1.5	0.60
3.	KRC100TKID10015	100	100	1.5	1.02
4.	KRC150TKID10015	150	100	1.5	1.37
5.	KRC150TKID15015	150	150	1.5	2.0
6.	KRC200TKID10015	200	100	1.5	1.55
7.	KRC200TKID20015	200	200	1.5	2.91
8.	KRC300TKID15015	300	150	1.5	2.52
9.	KRC300TKID30015	300	300	1.5	5.18
10.	KRC400TKID40015	400	400	1.5	8.02

#### Trunking External Riser 90° TK/ID

External riser is used to change the direction upward from the horizontal plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 2 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required. For riser cover 2 pcs. M6x12 tapite bolts are used.

**Order details:** KRC/Width/TK/ID/Height/Thickness/Finish

**Sample order details:** KRC050TKID05015PG

#### Trunking External Riser 135°

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKID05015R135	50	50	1.5	0.84
2.	KRC075TKID07515R135	75	75	1.5	1.11
3.	KRC100TKID10015R135	100	100	1.5	1.47
4.	KRC150TKID10015R135	150	100	1.5	1.77
5.	KRC150TKID15015R135	150	150	1.5	2.26
6.	KRC200TKID10015R135	200	100	1.5	1.83
7.	KRC200TKID20015R135	200	200	1.5	3.15
8.	KRC300TKID15015R135	300	150	1.5	2.83
9.	KRC300TKID30015R135	300	300	1.5	5.22
10.	KRC400TKID40015R135	400	400	1.5	7.67

#### Trunking External Riser 135° TK/ID

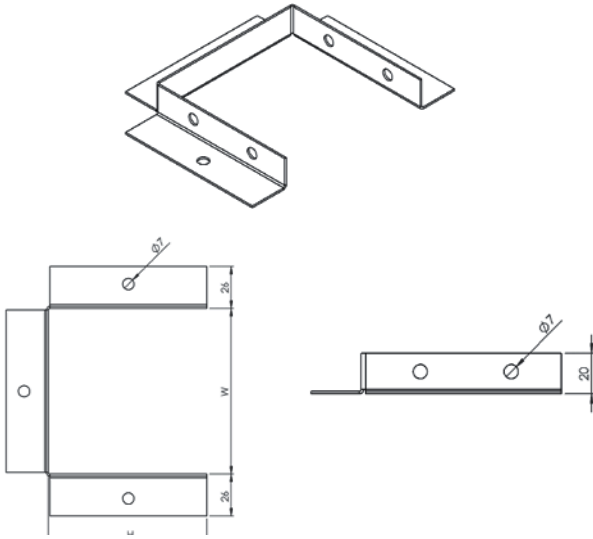
External riser is used to change the direction upward from the horizontal plane. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking with height 50 mm and 75 mm use 4 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required. For riser cover 4 pcs. M6x12 tapite bolts are used.

**Order details:** KRC/Width/TK/ID/Height/Thickness/Radius/Finish

**Sample order details:** KRC050TKID05015R135PG

### Trunking End Cap Type 1



#### Trunking End Cap Type 1

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKS15015	50	50	1.5	0.05
2.	KRC075TKS17515	75	75	1.5	0.09
3.	KRC100TKS110015	100	100	1.5	0.16
4.	KRC150TKS110015	150	100	1.5	0.22
5.	KRC150TKS115015	150	150	1.5	0.34
6.	KRC200TKS110015	200	100	1.5	0.29
7.	KRC200TKS120015	200	200	1.5	0.57
8.	KRC300TKS115015	300	150	1.5	0.62
9.	KRC300TKS130015	300	300	1.5	1.21
10.	KRC400TKS140015	400	400	1.5	2.09

#### Trunking End Cap TK/S1

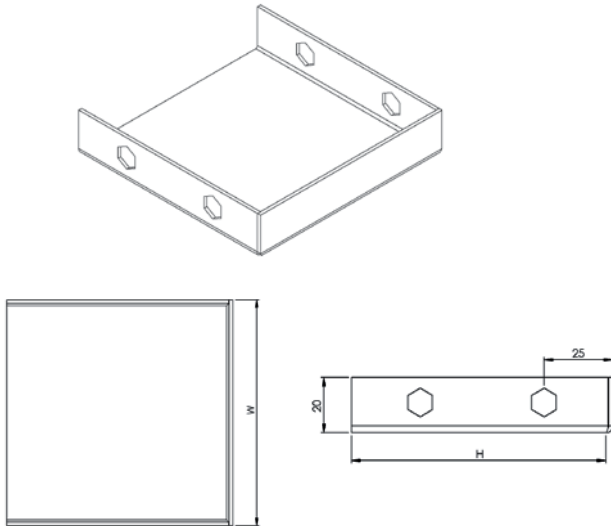
End Caps provide an excellent termination of opening end of the trunking.

**Mounting:** For trunking with height 50 mm and 75 mm use 2 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 4 pcs. M6x12 round head bolts are required.

**Order details:** KRC/Width/TK/S1/Height/Thickness/Finish

**Sample order details:** KRC050TKS15015PG

### Trunking End Cap Type 2



#### Trunking End Cap Type 2

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKS25015	50	50	1.5	0.12
2.	KRC075TKS27515	75	75	1.5	0.21
3.	KRC100TKS210015	100	100	1.5	0.26
4.	KRC150TKS210015	150	100	1.5	0.35
5.	KRC150TKS215015	150	150	1.5	0.57
6.	KRC200TKS210015	200	100	1.5	0.44
7.	KRC200TKS220015	200	200	1.5	0.89
8.	KRC300TKS215015	300	150	1.5	0.8
9.	KRC300TKS230015	300	300	1.5	1.69
10.	KRC400TKS240015	400	400	1.5	2.73

#### Trunking End Cap TK/S2

End Caps provide an excellent termination of opening end of the trunking.

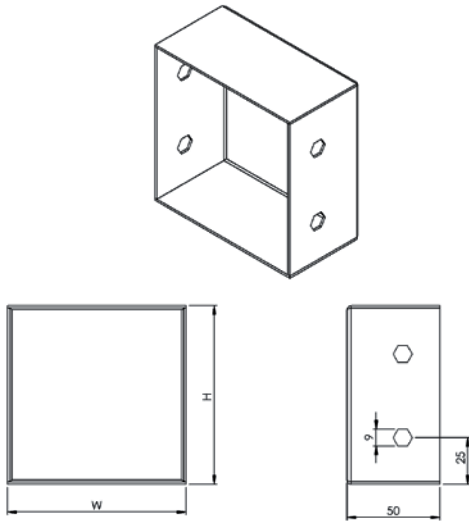
**Mounting:** For trunking with height 50 mm and 75 mm use 2 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 4 pcs. M6x12 round head bolts are required.

**Order details:** KRC/Width/TK/S2/Height/Thickness/Finish

**Sample order details:** KRC050TKS25015PG



### ■ Trunking End Cap Type 3



Trunking End Cap Type 3

No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050TKS35015	50	50	1.5	0.07
2.	KRC075TKS37515	75	75	1.5	0.11
3.	KRC100TKS310015	100	100	1.5	0.15
4.	KRC150TKS310015	150	100	1.5	0.18
5.	KRC150TKS315015	150	150	1.5	0.23
6.	KRC200TKS310015	200	100	1.5	0.21
7.	KRC200TKS320015	200	200	1.5	0.30
8.	KRC300TKS315015	300	150	1.5	0.31
9.	KRC300TKS330015	300	300	1.5	0.46
10.	KRC300TKS330015	400	400	1.5	0.61

#### Trunking End Cap TK/S3

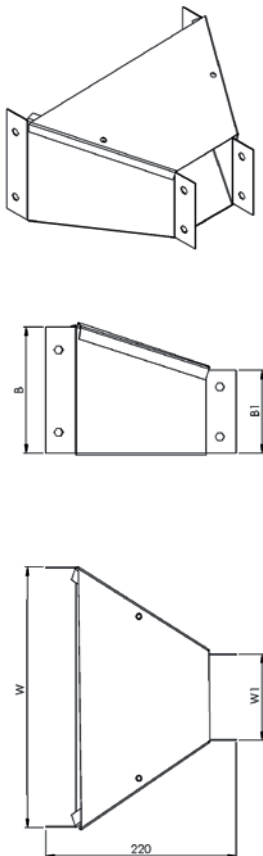
End Caps provide an excellent termination of opening end of the trunking.

**Mounting:** For trunking with height 50 mm and 75 mm use 2 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 4 pcs. M6x12 round head bolts are required.

**Order details:** KRC/Width/TK/S3/Height/Thickness/Finish

**Sample order details:** KRC050TKS35015PG

### ■ Trunking Reducer



Trunking Reducer

No	PRODUCT CODE	AxB/A1xB1	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCTKRD1	75x75/50x50	1.5	0.51
2.	KRCTKRD2	100x100/50x50	1.5	0.72
3.	KRCTKRD3	100x100/75x75	1.5	0.8
4.	KRCTKRD4	150x100/100x100	1.5	0.98
5.	KRCTKRD5	200x100/100x100	1.5	1.05
6.	KRCTKRD6	200x100/150x100	1.5	1.11
7.	KRCTKRD7	200x200/150x150	1.5	1.68
8.	KRCTKRD8	300x150/100x100	1.5	1.41
9.	KRCTKRD9	300x150/150x100	1.5	1.45
10.	KRCTKRD10	300x150/200x100	1.5	1.48
11.	KRCTKRD11	300x300/200x200	1.5	2.34
12.	KRCTKRD12	400x400/300x300	1.5	3.23

#### Trunking Reducer TK/RD

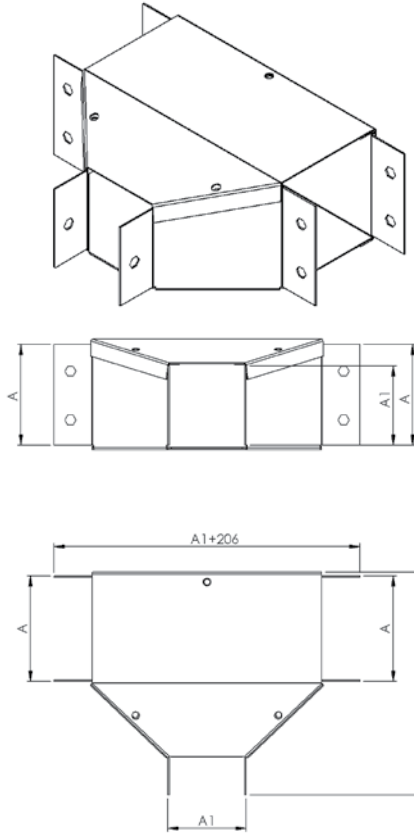
Standard reducer is used to reduce the width of the trunking, keeping an equal width reduction along both sides in trunking systems. Range of widths from 50 mm to 400 mm. Left hand reducers and right hand reducers are available. For more details please contact our Sales Team.

**Mounting:** For trunking with height 50 mm and 75 mm use 4 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required. For reducer cover 2 pcs. M6x12 tapite bolts are used.

**Order details:** KRC/Width/TK/RD/Reduce Type/Finish

**Sample order details:** KRCTKRD1PG

### ■Trunking Tee Reducer



Trunking Tee Reducer				
No	PRODUCT CODE	AxB/A1xB1	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCTKTRD1	75x75/50x50	1.5	1.07
2.	KRCTKTRD2	100x100/50x50	1.5	1.30
3.	KRCTKTRD3	100x100/75x75	1.5	1.57
4.	KRCTKTRD4	150x100/100x100	1.5	2.00
5.	KRCTKTRD5	200x100/100x100	1.5	2.12
6.	KRCTKTRD6	200x100/150x100	1.5	3.11
7.	KRCTKTRD7	300x150/100x100	1.5	3.68
8.	KRCTKTRD8	300x150/150x100	1.5	4.18
9.	KRCTKTRD9	300x150/200x100	1.5	4.68
10.	KRCTKTRD10	150x150/100x100	1.5	2.37
11.	KRCTKTRD11	200x200/150x150	1.5	3.50
12.	KRCTKTRD12	300x300/200x200	1.5	5.65
13.	KRCTKTRD13	400x400/300x300	1.5	9.00

### Trunking T Reducer TK/TRD

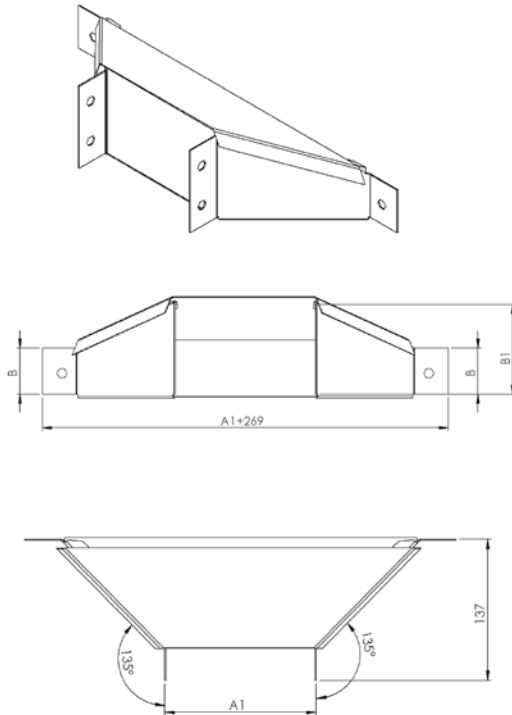
Trunking T reducer is used to reduce the width of the trunking, keeping an equal width reduction along both sides in trunking systems. Range of widths from 50 mm to 400 mm.

**Mounting:** For trunking 10 pcs. M6x12 round head bolts are required. For T reducer cover 3 pcs. M6x12 taptite bolts are used.

**Order details:** KRC/Width/TK/TRD/Reduce Type/Finish

**Sample order details:** KRCTKTRD1PG

### ■Trunking T-Out Reducer



Trunking T-Out Reducer				
No	PRODUCT CODE	B/A1xB1	THICKNESS (mm)	WEIGHT (mm)
1.	KRCTKTCRD1	50/150x100	1.5	1.10
2.	KRCTKTCRD2	75/150x100	1.5	1.16
3.	KRCTKTCRD3	75/200x100	1.5	1.35
4.	KRCTKTCRD4	100/300x150	1.5	1.92
5.	KRCTKTCRD5	200/300x300	1.5	2.58
6.	KRCTKTCRD6	100/200x200	1.5	1.80
7.	KRCTKTCRD7	300/400x400	1.5	3.36

### Trunking T-OUT Reducer TK/TCRD

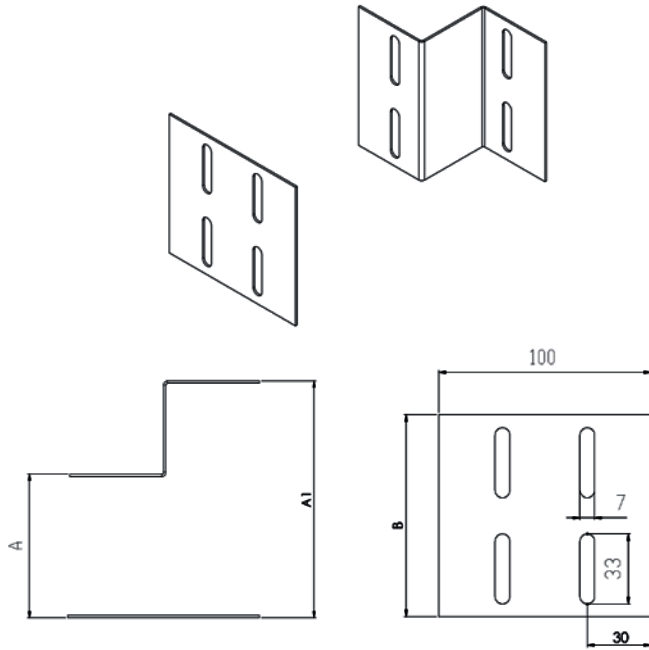
Standard reducer is used to reduce the width of the trunking, keeping an equal width reduction along both sides in trunking systems.

**Mounting:** For trunking use 6 pcs. M6x12 round head bolts, are required. For T-outreducer cover 2 pcs. M6x12 taptite bolts are used.

**Order details:** KRC/Width/TK/TCRD/Reduce Type/Finish

**Sample order details:** KRCTKTCRD1PG

### ■ Trunking Right-Left Reducer Connector



**Trunking Right-Left Reducer Connector**

No	PRODUCT CODE	B/A1xB1	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCTKSRRD1	75x75/50x50	1.5	0.12
2.	KRCTKSRRD2	100x100/50x50	1.5	0.13
3.	KRCTKSRRD3	100x100/75x75	1.5	0.17
4.	KRCTKSRRD4	150x100/100x100	1.5	0.25
5.	KRCTKSRRD5	200x100/100x100	1.5	0.31
6.	KRCTKSRRD6	300x150/200x100	1.5	0.33
7.	KRCTKSRRD7	200x200/150x150	1.5	0.39
8.	KRCTKSRRD8	300x300/200x200	1.5	0.65
9.	KRCTKSRRD9	400x400/300x300	1.5	0.99

#### Trunking Right-Left Reducer Connector TK/SR

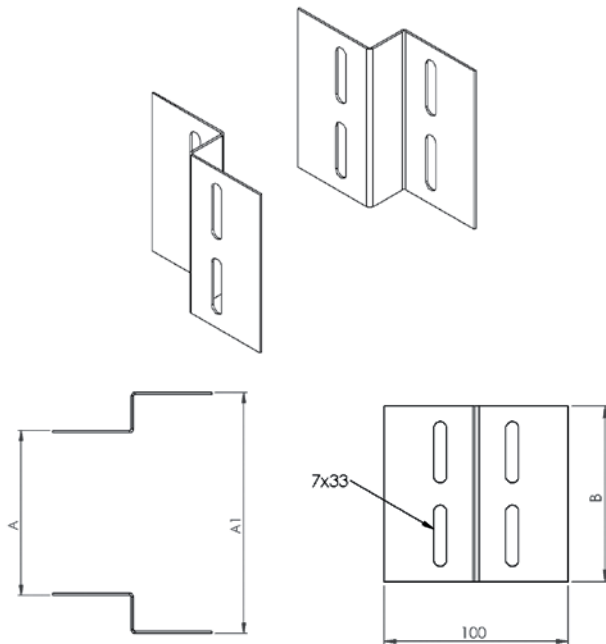
Standard reducer is used to connect the trunkings, reducing the width of the trunking.

**Mounting:** For trunking with height 50 mm and 75 mm use 4 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required.

**Order details:** KRC/TK/SR/Reduce Type/Finish

**Sample order details:** KRCTKSRRD1PG

### ■ Trunking Middle Reducer Connector



**Trunking Middle Reducer Connector**

No	PRODUCT CODE	AxB/A1xB1	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCTKORD1	75x75/50x50	1.5	0.18
2.	KRCTKORD2	100x100/50x50	1.5	0.19
3.	KRCTKORD3	100x100/75x75	1.5	0.14
4.	KRCTKORD4	150x100/100x100	1.5	0.31
5.	KRCTKORD5	200x100/100x100	1.5	0.38
6.	KRCTKORD6	300x150/200x100	1.5	0.46
7.	KRCTKORD7	200x200/150x150	1.5	0.41
8.	KRCTKORD8	300x300/200x200	1.5	0.66
9.	KRCTKORD9	400x400/300x300	1.5	1.01

#### Trunking Middle Reducer Connector TK/ORD

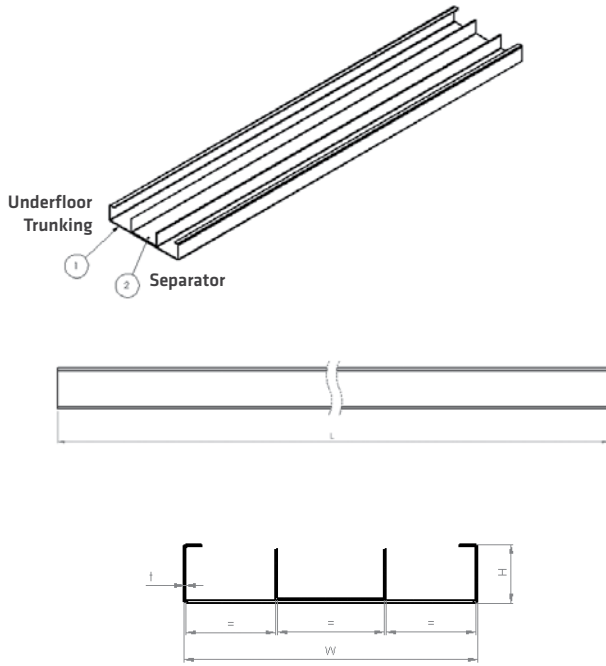
The middle reducer connector is used to create a concentric reduction, connecting the trunkings.

**Mounting:** For trunking with height 50 mm and 75 mm use 4 pcs. M6x12 round head bolts, for trunking with height up to 400 mm 8 pcs. M6x12 round head bolts are required.

**Order details:** KRC/TK/ORD/Reduce Type/Finish

**Sample order details:** KRCTKORD1PG

## Underfloor Trunking



Underfloor Trunking						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)*	WEIGHT (kg/mt)
1.	KRC050DO4012	50	40	1.2	3000	1.39
2.	KRC050DO4015	50	40	1.5	3000	1.72
3.	KRC075DO4012	75	40	1.2	3000	1.63
4.	KRC075DO4015	75	40	1.5	3000	2.02
5.	KRC100DO4012	100	40	1.2	3000	1.87
6.	KRC100DO4015	100	40	1.5	3000	2.31
7.	KRC150DO4012	150	40	1.2	3000	2.35
8.	PM400DO4015	150	40	1.5	3000	2.90
9.	KRC200DO4012	200	40	1.2	3000	2.82
10.	KRC200DO4015	200	40	1.5	3000	3.49
11.	KRC300DO4012	300	40	1.2	3000	3.76
12.	KRC300DO4015	300	40	1.5	3000	4.67
13.	KRC400DO4012	400	40	1.2	3000	4.82
14.	KRC400DO4015	400	40	1.5	3000	5.85

### Underfloor Trunking DO

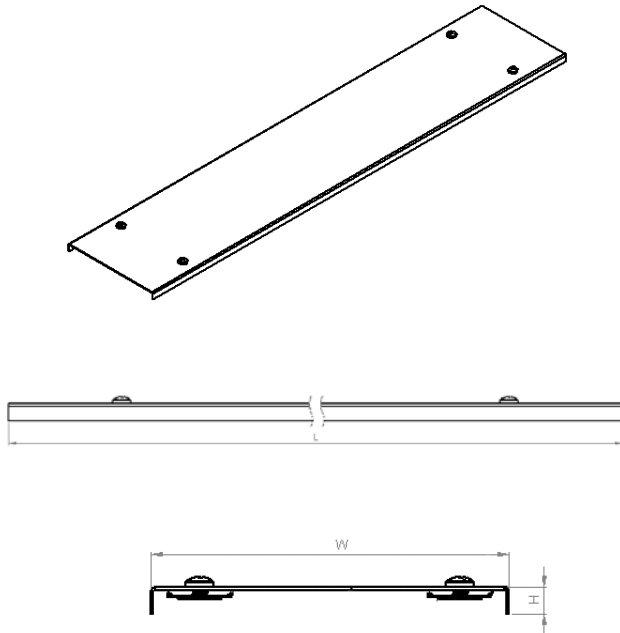
Underfloor Trunking System is designed for the distribution of power, voice and data services in floors where the trunking is buried in the screed. Range of widths from 50 mm to 400 mm, standard height is 40 mm and length 3000 mm.

\* Available in 2440 mm length.

Order details: KRC/Width/DO/Height/Thickness/Finish

Sample order details: KRC050DO4012PG

## Underfloor Trunking Cover



Underfloor Trunking Cover						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)*	WEIGHT (kg/mt)
1.	KRC050DOK1510	50	15	1.0	3000	0.64
2.	KRC050DOK1515	50	15	1.5	3000	0.95
3.	KRC075DOK1510	75	15	1.0	3000	0.84
4.	KRC075DOK1515	75	15	1.5	3000	1.24
5.	KRC100DOK1510	100	15	1.0	3000	1.04
6.	KRC100DOK1515	100	15	1.5	3000	1.54
7.	KRC150DOK1510	150	15	1.0	3000	1.43
8.	KRC150DOK1515	150	15	1.5	3000	2.13
9.	KRC200DOK1510	200	15	1.0	3000	1.83
10.	KRC200DOK1515	200	15	1.5	3000	2.72
11.	KRC300DOK1510	300	15	1.0	3000	2.62
12.	KRC300DOK1515	300	15	1.5	3000	3.90
13.	KRC400DOK1510	400	15	1.0	3000	3.50
14.	KRC400DOK1515	400	15	1.5	3000	5.08

### Underfloor Trunking Cover DOK

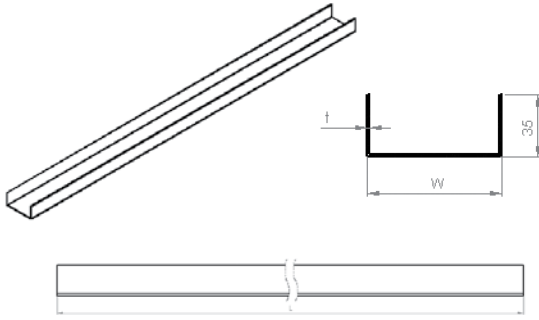
Trunking Cover is used to cover the top of the trunking body, providing mechanical and environmental protection for installed cables in trunking system. Range of widths from 50 mm to 400 mm, standard height is 15 mm and length 3000 mm.

\* Available in 2440 mm length.

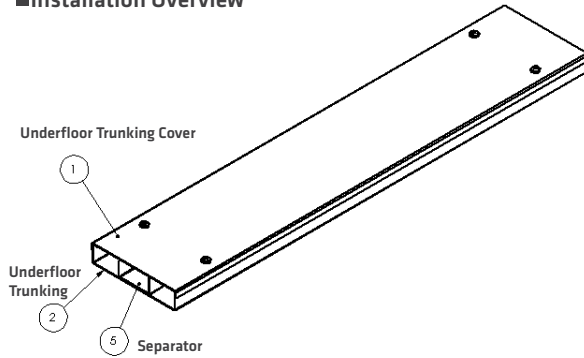
Order details: KRC/Width/DOK/Height/Thickness/Finish

Sample order details: KRC050DOK1510PG

### Underfloor Trunking Separator



### Installation Overview



Underfloor Trunking Separator						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	LENGTH (mm)*	WEIGHT (kg/mt)
1.	KRC050DOSEP3510	50	35	1.0	3000	0.93
2.	KRC050DOSEP3515	50	35	1.5	3000	1.36
3.	KRC075DOSEP3510	75	35	1.0	3000	1.12
4.	KRC075DOSEP3515	75	35	1.5	3000	1.65
5.	KRC100DOSEP3510	100	35	1.0	3000	1.32
6.	KRC100DOSEP3515	100	35	1.5	3000	1.95
7.	KRC150DOSEP3510	150	35	1.0	3000	1.60
8.	KRC150DOSEP3515	150	35	1.5	3000	2.54

#### Underfloor Trunking Separator DO/SEP

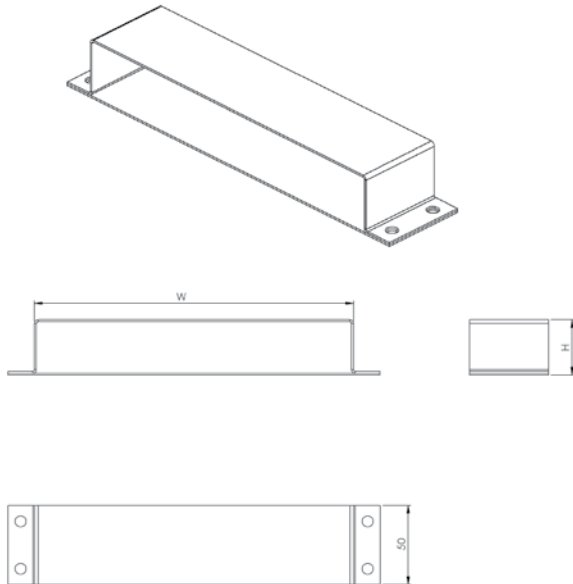
Trunking Separators are mostly used for separation purposes / cables ect. The standard length of separator is 3000 mm . For fixing M6x12 taptite bolts are used (min. 2 fixings required per fitting separator).

\* Available in 2440 mm length.

Order details: KRC/Width/DO/SEP/Height/Thickness/Finish

Sample order details: KRC050DOSEP3510PG

### Underfloor Fix Coupler



Underfloor Fix Coupler					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050DOEK4012	50	40	1.2	0.09
2.	KRC050DOEK4015	50	40	1.5	0.11
3.	KRC075DOEK4012	75	40	1.2	0.12
4.	KRC075DOEK4015	75	40	1.5	0.14
5.	KRC100DOEK4012	100	40	1.2	0.14
6.	KRC100DOEK4015	100	40	1.5	0.17
7.	KRC150UKTFC4012	150	40	1.2	0.19
8.	KRC150UKTFC4015	150	40	1.5	0.23
9.	KRC200DOEK4012	240	40	1.2	0.27
10.	KRC200DOEK4015	240	40	1.5	0.34
11.	KRC300DOEK4012	300	40	1.2	0.33
12.	KRC300DOEK4015	300	40	1.5	0.41
13.	KRC400DOEK4012	400	40	1.2	0.43
14.	KRC400DOEK4015	400	40	1.5	0.53

#### Underfloor Fix Coupler DO/EK

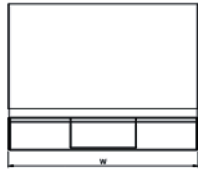
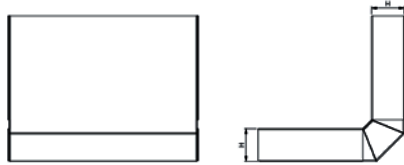
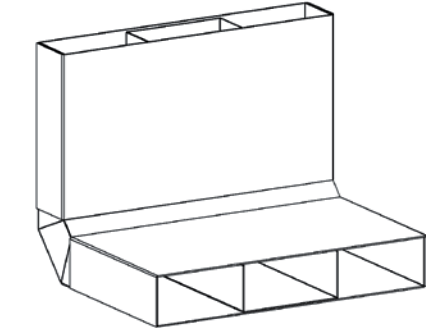
The underfloor fix connector is used to connect underfloor trunking. The coupler should be arranged in such a way that at the trunking joints, both ends of the trunking are joined and supported effectively.

Order details: KRC/Width/DO/EK/Height/Thickness/Finish

Sample order details: KRC050DOEK4012PG



### Underfloor Vertical Bend



Underfloor Vertical Bend					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050DODT4012	50	40	1.2	0.79
2.	KRC050DODT4015	50	40	1.5	0.99
3.	KRC075DODT4012	75	40	1.2	0.92
4.	KRC075DODT4015	75	40	1.5	1.16
5.	KRC100DODT4012	100	40	1.2	1.06
6.	KRC100DODT4015	100	40	1.5	1.32
7.	KRC150UKTVB4012	150	40	1.2	1.32
8.	KRC150UKTVB4015	150	40	1.5	1.65
9.	KRC200DODT4012	240	40	1.2	1.80
10.	KRC200DODT4015	240	40	1.5	2.24
11.	KRC300DODT4012	300	40	1.2	2.11
12.	KRC300DODT4015	300	40	1.5	2.64
13.	KRC400DODT4012	400	40	1.2	2.64
14.	KRC400DODT4015	400	40	1.5	3.30

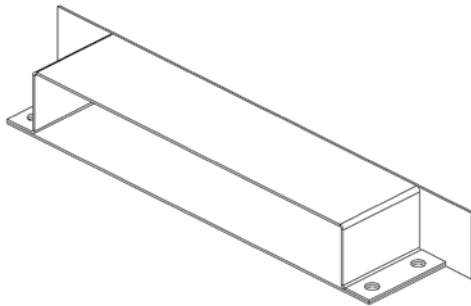
#### Underfloor Vertical Bend DO/DT

The underfloor vertical bends can be easily mounted as wall connections for insertion of cables in the underfloor system.

Order details: KRC/Width/DO/DT/Height/Thickness/Finish

Sample order details: KRC050DODT4012PG

### Underfloor End Cap



Underfloor End Cap					
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050DOS4012	50	40	1.2	0.12
2.	KRC050DOS4015	50	40	1.5	0.13
3.	KRC075DOS4012	75	40	1.2	0.16
4.	KRC075DOS4015	75	40	1.5	0.17
5.	KRC100DOS4012	100	40	1.2	0.20
6.	KRC100DOS4015	100	40	1.5	0.21
7.	KRC150UKTEC4012	150	40	1.2	0.27
8.	KRC150UKTEC4015	150	40	1.5	0.30
9.	KRC200DOS4012	240	40	1.2	0.41
10.	KRC200DOS4015	240	40	1.5	0.45
11.	KRC300DOS4012	300	40	1.2	0.50
12.	KRC300DOS4015	300	40	1.5	0.55
13.	KRC400DOS4012	400	40	1.2	0.66
14.	KRC400DOS4015	400	40	1.5	0.72

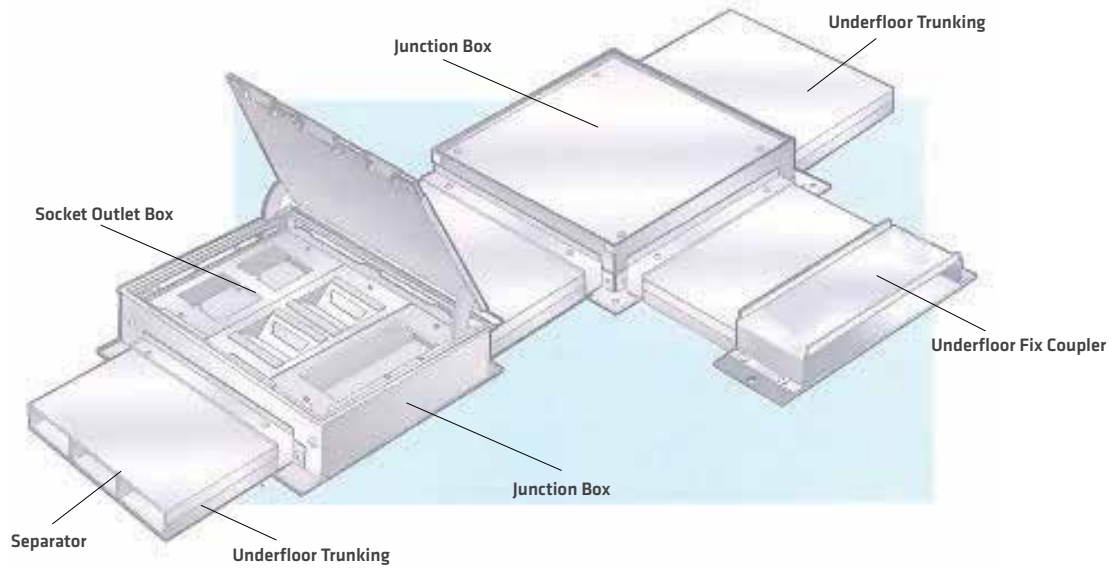
#### Underfloor End Cap DO/S

The end cap provides an excellent termination of opening end of the underfloor trunking.

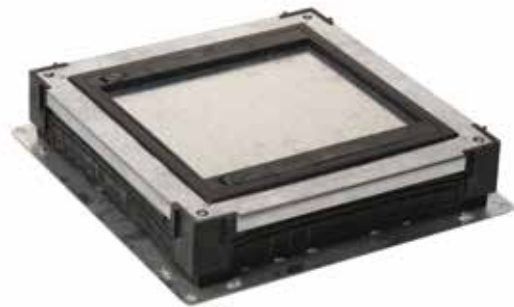
Order details: KRC/Width/DO/S/Height/Thickness/Finish

Sample order details: KRC050DOS4012PG

## ■ Installation System Overview



Junction Box



Junction Box With Cover

Junction Boxes			
No	PRODUCT CODE	PRODUCT DESCRIPTION	WEIGHT (kg/pcs)
1.	KRCDB360	360mmx360mm Junction Box	2.95
2.	KRCDB420	420mmx420mm Junction Box	3.35

Socket Outlet Boxes			
No	PRODUCT CODE	PRODUCT DESCRIPTION	WEIGHT (kg/pcs)
1.	KRCDBPK	Socket Outlet Box for Junction Boxes	0.3

### Junction Boxes DB

Junction boxes are devices that contain the wiring junctions or intersections that allow the wiring in the home or public building to interface with the main power supply provided by a local utility.

Order details: *KRC/DB/Junction Box Size*  
Sample order details: *KRCDB360*

### Socket Outlet Boxes DBPK

Socket Outlet Box is used to fit into the trunking anywhere along the system layout excluding junction points. Available in 2-compartment and 3 compartment socket. Additional sockets can be supplied on request

Order details: *KRC/DBPK*  
Sample order details: *KRCDBPK*

Kıraç Metal offers a wide variety of wall brackets, cantilevers, profiles and hangers with various weight bearing capabilities depending on the type and size of the tray.



# Support System

## SELECTION RANGE:

### Product Range

L-Support System

U-Support System

Wall Support System

I80 Support System

Cantilever Bracket

Cantilever Arm

Stand Off Bracket

Trapeze Hanger

Earth Continuity Connectors

Hold Down Bracket

**L Support System p.106**

**U Support System p.108**

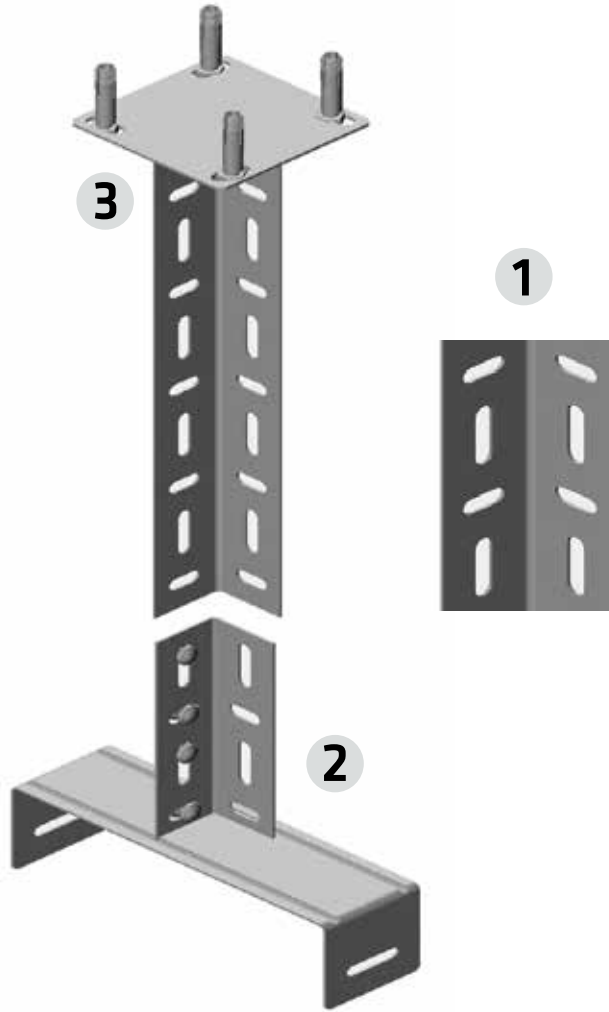
**Wall Support System p.110**

**I80 Support System p.116**

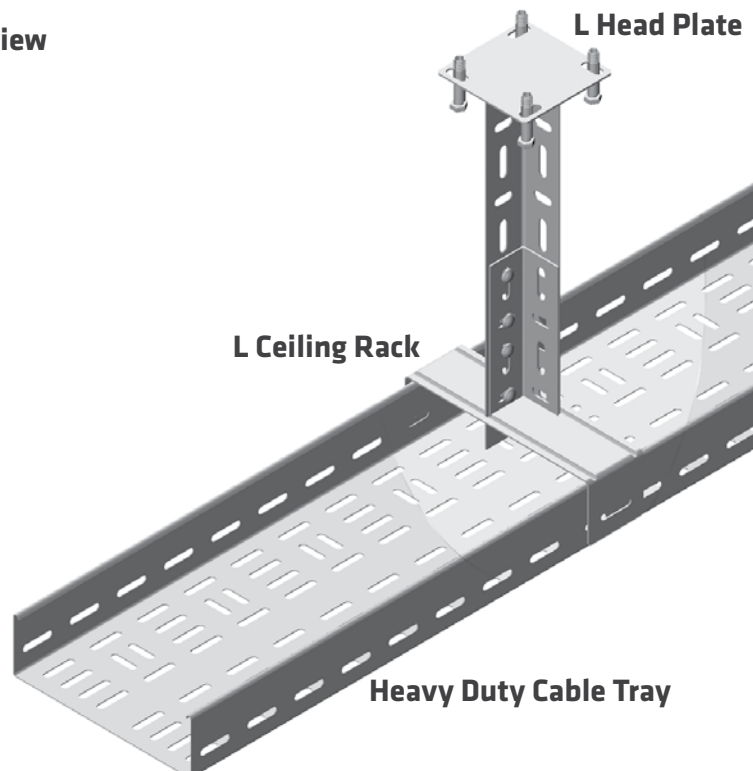


## L Support System

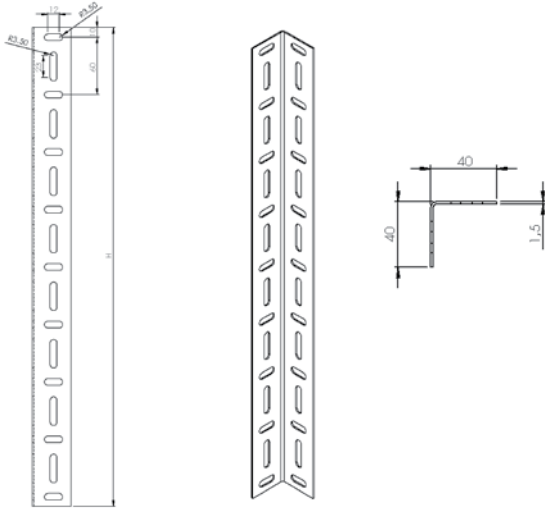
- 1 Plated Head L Profile
- 2 L Ceiling Rack
- 3 L Head Plate



## Installation System Overview



### ■ Plated Head L Profile



#### Plated Head L Profile

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)*	WEIGHT (kg/pcs)
1.	KRC500LP	500	1.5	0.46
2.	KRC1000LP	1000	1.5	0.94
3.	KRC1500LP	1500	1.5	1.40
4.	KRC2000LP	2000	1.5	1.87
5.	KRC3000LP	3000	1.5	2.80

#### Plated Head L Profile LP

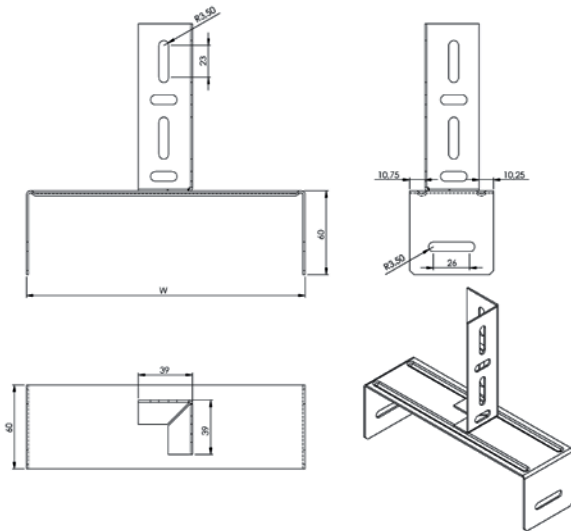
Plated Head L-Profile is fixed to L Head Plate for ceiling mount installations. M6x15 round head bolts are used.

*\*Available in 3.0 mm thickness.*

Order details: KRC/Height/LP/Finish

Order sample details: KRC500LPG

### ■ L Ceiling Rack



#### L Ceiling Rack

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)*	WEIGHT (kg/pcs)
1.	KRC500LKA	500	1.5	0.24
2.	KRC1000LKA	1000	1.5	0.27
3.	KRC1500LKA	1500	1.5	0.30
4.	KRC2000LKA	2000	1.5	0.34
5.	KRC3000LKA	3000	1.5	0.51

#### L Ceiling Rack LKA

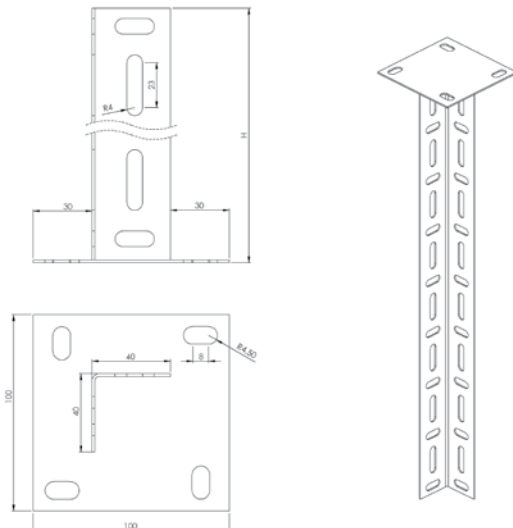
L Ceiling Rack is attached to both cable tray and L Profile for ceiling mount installations. M6x15 round head bolts are used.

*\*Available in 3.0 mm thickness.*

Order details: KRC/Height/LKA/Finish

Order sample details: KRC500LKAPG

### ■ L Head Plate



#### L Head Plate

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)*	WEIGHT (kg/pcs)
1.	KRC500LTM	500	1.5	0.27
2.	KRC1000LTM	1000	1.5	0.58

#### L Head Plate LTM

L Head Plates are attached to the ceiling. M6x15 round head bolts are used.

*\*Available in 3.0 mm thickness.*

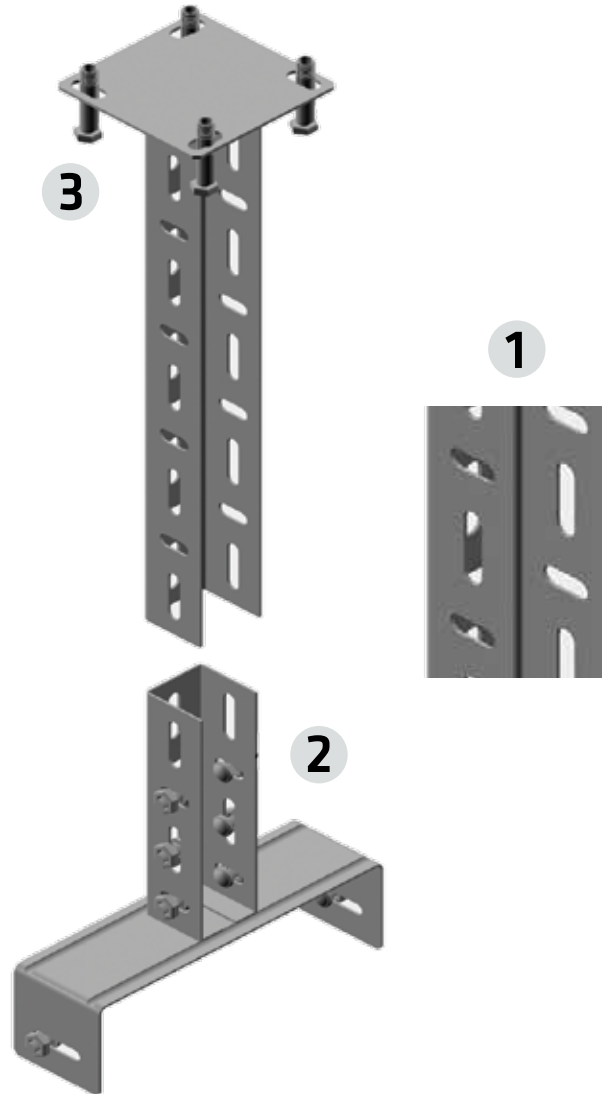
Order details: KRC/Height/LTM/Finish

Order sample details: KRC500LTMPG

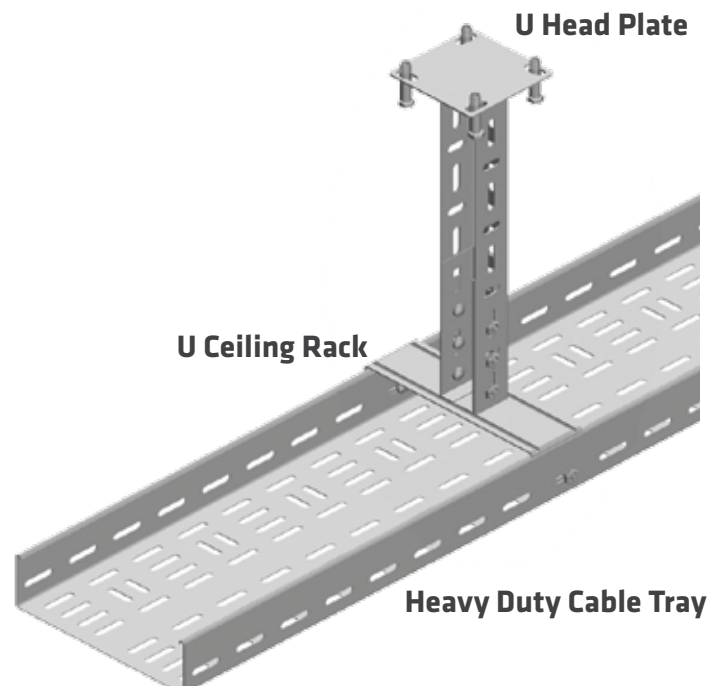


## U Support System

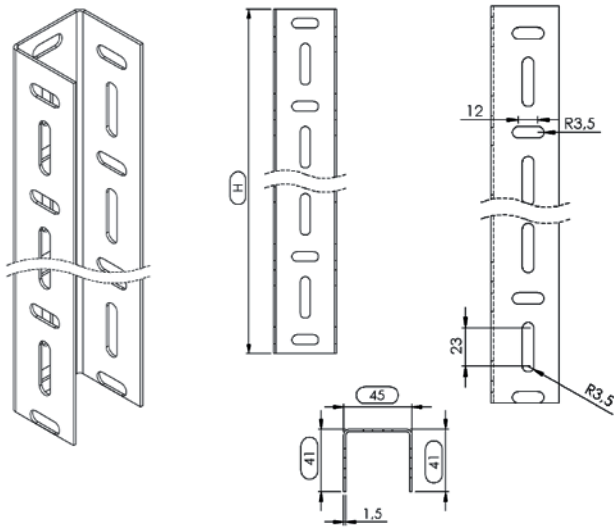
- 1 Plated Head U Profile
- 2 U Ceiling Rack
- 3 U Head Plate



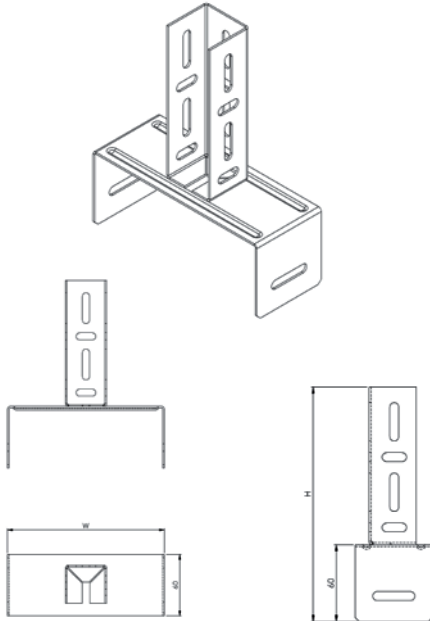
## Installation System Overview



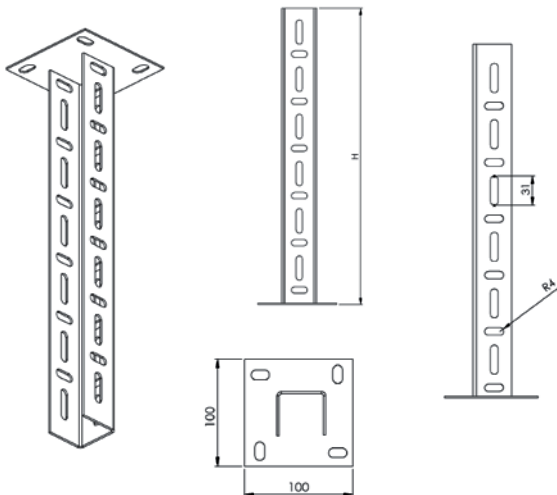
### ■ Plated Head U Profile



### ■ U Ceiling Rack



### ■ U Head Plate



#### Plated Head U Profile

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)*	WEIGHT (kg/pcs)
1.	KRC500UP	500	1.5	0.62
2.	KRC1000UP	1000	1.5	1.25
3.	KRC1500UP	1500	1.5	1.87
4.	KRC2000UP	2000	1.5	2.49
5.	KRC3000UP	3000	1.5	3.74

#### Plated Head U Profile UP

Plated Head U-Profile is fixed to U Head Plate for ceiling mount installations. M6x15 round head bolts are used.

*\*Available in 3.0 mm thickness.*

Order details: KRC/Height/UP/Finish

Order sample details: KRC500UPPG

#### U Ceiling Rack

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)*	WEIGHT (kg/pcs)
1.	KRC500UKA	500	1.5	0.26
2.	KRC1000UKA	1000	1.5	0.30
3.	KRC1500UKA	1500	1.5	0.33
4.	KRC2000UKA	2000	1.5	0.39
5.	KRC3000UKA	3000	1.5	0.48

#### U Ceiling Rack UKA

U Ceiling Rack is attached to both cable tray and U Profile for ceiling mount installations. M6x15 head round bolts are used.

*\*Available in 3.0 mm thickness.*

Order details: KRC/Height/UKA/Finish

Order sample details: KRC500UKAPG

#### U Head Plate

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)*	WEIGHT (kg/pcs)
1.	KRC120UTM	120	1.5	0.33
2.	KRC500UTM	500	1.5	0.84

#### U Head Plate UTM

U Head Plates are attached to the ceiling. M6x15 round head bolts are used.

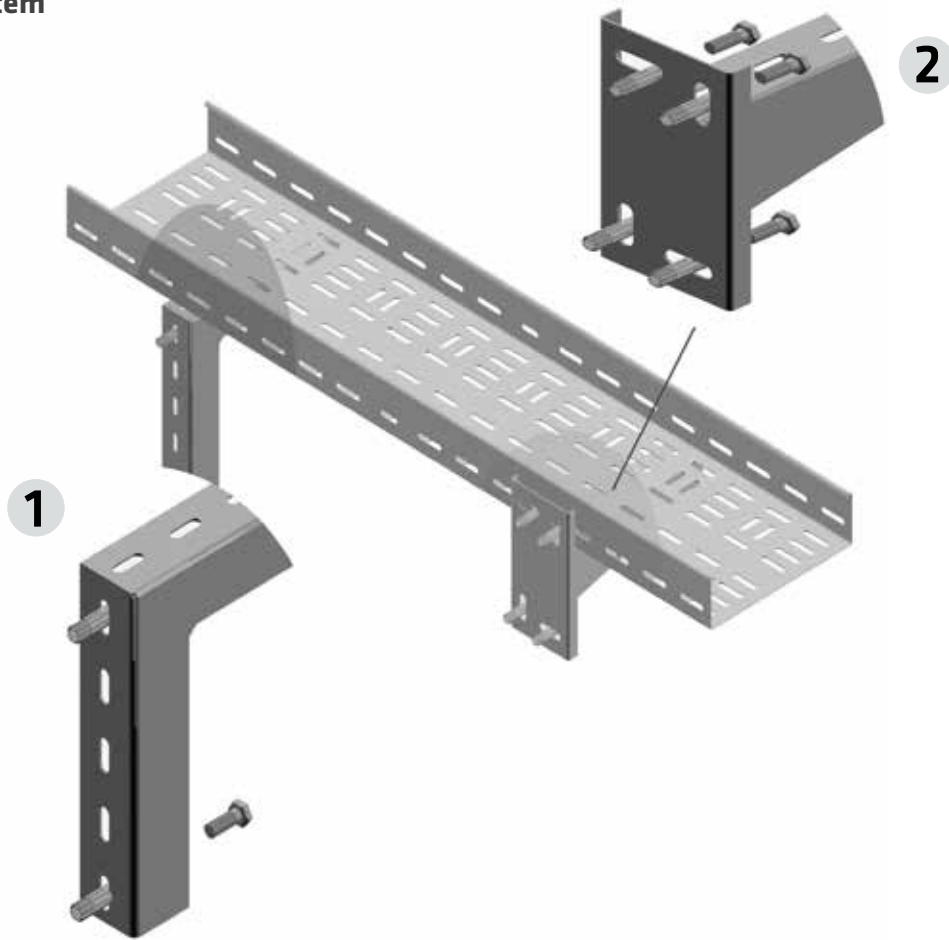
*\*Available in 3.0 mm thickness.*

Order details: KRC/Height/UTM/Finish

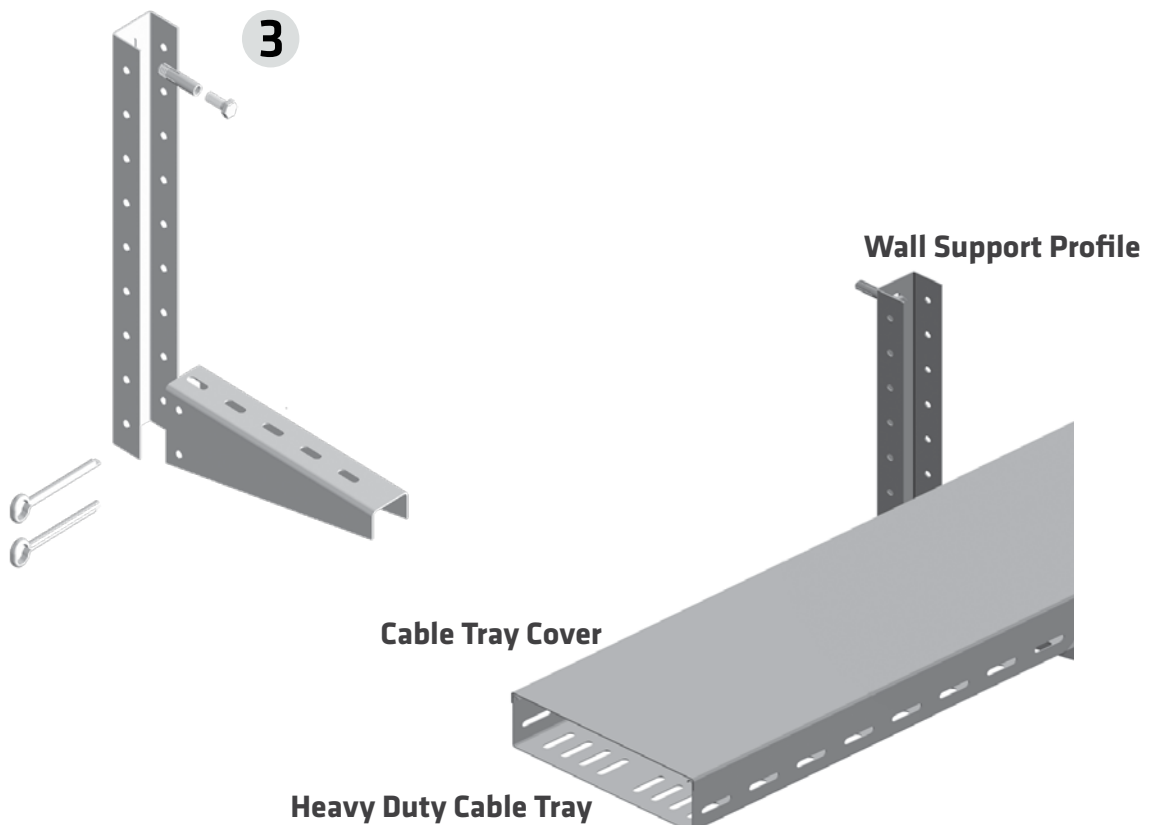
Order sample details: KRC500UTMPG

## Wall Support System

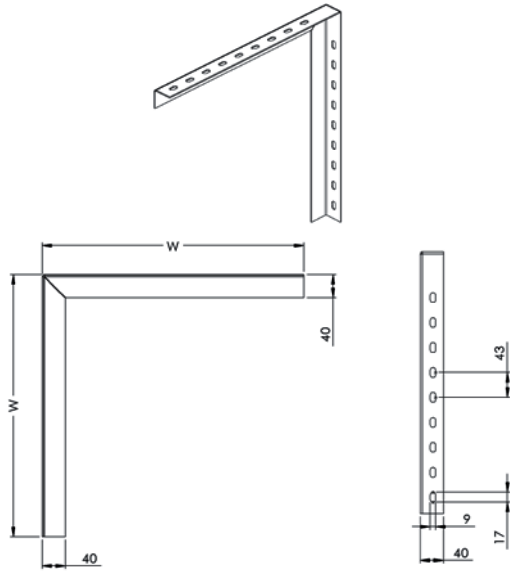
- 1 Cantilevers Bracket
- 2 Cantilevers Arm
- 3 Wall Support Profile



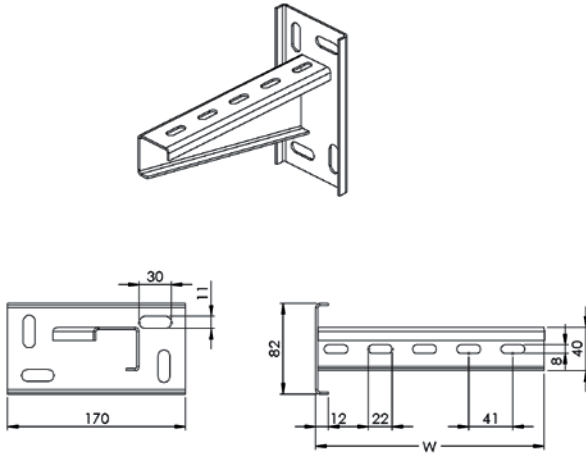
## Installation System Overview



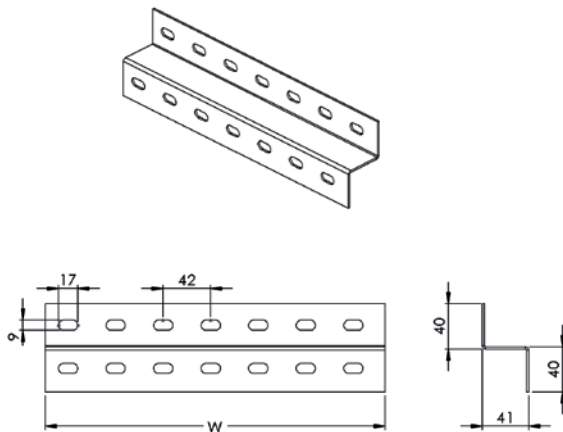
### ■ Cantilever Bracket



### ■ Cantilever Arms



### ■ Stand Off Bracket



#### Cantilever Bracket

No	PRODUCT CODE	WIDTH(mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC1050KDK	50	2.0	0.09
2.	KRC1075KDK	75	2.0	0.12
3.	KRC1100KDK	100	2.0	0.21
4.	KRC1150KDK	150	2.0	0.33
5.	KRC1200KDK	200	2.0	0.40
6.	KRC1300KDK	300	2.0	0.67
7.	KRC1400KDK	400	2.0	0.80
8.	KRC1500KDK	500	2.0	1.20
9.	KRC1600KDK	600	2.0	1.39
10.	KRC1750KDK	750	2.0	1.75
11.	KRC1900KDK	900	2.0	2.11

#### Cantilever Bracket KDK

Available for Cable Tray and Cable Ladders. For fixing M6x15 round head bolts are used.

Order details: KRC/1/Width/KDK/Finish

Sample order details: KRC1050KDKPG

#### Cantilever Arms

No	PRODUCT CODE	WIDTH(mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC2050KDK	50	2.0	0.34
2.	KRC2075KDK	75	2.0	0.30
3.	KRC2100KDK	100	2.0	0.42
4.	KRC2150KDK	150	2.0	0.50
5.	KRC2200KDK	200	2.0	0.60
6.	KRC2300KDK	300	2.0	0.73
7.	KRC2400KDK	400	2.0	0.90
8.	KRC2500KDK	500	2.0	1.30
9.	KRC2600KDK	600	2.0	1.84
10.	KRC2750KDK	750	2.0	2.10
11.	KRC2900KDK	900	2.0	2.36

#### Cantilever Arm KDK

Cantilever Arms are suitable for supporting trays from flat surfaces. Available for all Cable Trays and Cable Ladders. For fixing M6x15 round head bolts are used.

Order details: KRC/2/Width/KDK/Finish

Sample order details: KRC2050KDKPG

#### Stand Off Bracket

No	PRODUCT CODE	WIDTH(mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC050DI	50	2.0	0.09
2.	KRC075DI	75	2.0	0.13
3.	KRC100DI	100	2.0	0.17
4.	KRC150DI	150	2.0	0.26
5.	KRC200DI	200	2.0	0.40
6.	KRC300DI	300	2.0	0.51
7.	KRC400DI	400	2.0	0.60
8.	KRC500DI	500	2.0	0.90
9.	KRC600DI	600	2.0	1.03
10.	KRC750DI	750	2.0	1.28
11.	KRC900DI	900	2.0	1.54

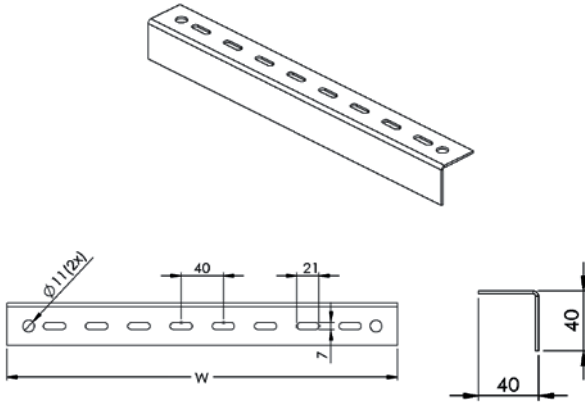
#### Stand Off Bracket DI

Stand off brackets are suitable for supporting trays from flat surfaces. For fixing M6x15 round head bolts are used.

Order details: KRC/Width/DI/Finish

Sample order details: KRC050DIPG

### ■ Trapeze Hanger



Trapeze Hanger				
No	PRODUCT CODE	WIDTH (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC50AGKAT	50	2.0	0.14
2.	KRC75AGKAT	75	2.0	0.17
3.	KRC100AGKAT	100	2.0	0.20
4.	KRC150AGKAT	150	2.0	0.25
5.	KRC200AGKAT	200	2.0	0.40
6.	KRC300AGKAT	300	2.0	0.43
7.	KRC400AGKAT	400	2.0	0.50
8.	KRC500AGKAT	500	2.0	0.70
9.	KRC600AGKAT	600	2.0	0.78
10.	KRC750AGKAT	750	2.0	0.97
11.	KRC900AGKAT	900	2.0	1.15

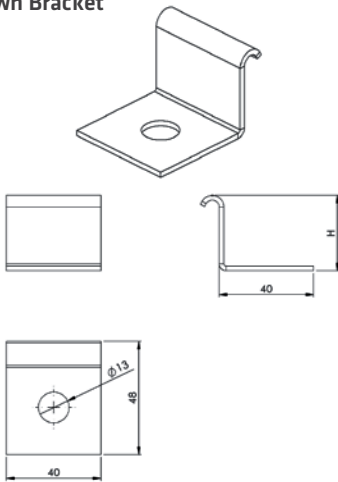
#### Trapeze Hanger AGKAT

For fixing M6x15 round head bolts type are used (for cable tray with widths of 600 mm, 750 mm, 900 mm M12 threaded rods are recommended).

Order details: KRC/Width/AGKAT/Finish

Sample order details: KRC50AGKATPG

### ■ Hold Down Bracket



Hold Down Bracket				
No	PRODUCT CODE	WIDTH (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCHB5215	52	1.5	0.06
2.	KRCHB7715	77	1.5	0.08
3.	KRCHB10215	102	1.5	0.09

#### Hold Down Bracket HB

Hold Down Bracket is used to secure tray sections to hanging on floor supports. Available for Medium Duty and Heavy Duty Cable Trays. M6x15 round head bolts and M6 nuts are used.

Order details: KRC/HB/Width/Thickness/Finish

Sample order details: KRCHB5215PG

### ■ Earth Continuity Connector



Earth Continuity Connector		
No	PRODUCT CODE	WEIGHT (kg/pcs)
1.	KRCECC	0.1

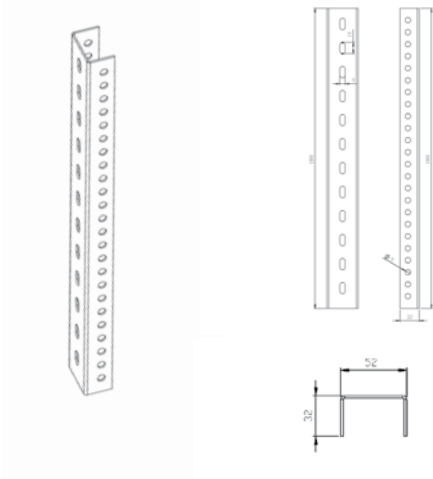
#### Earth Continuity Connector ECC

This type of connector is used to provide electrical continuity. Conductor area: 4mm<sup>2</sup> Length:100mm.

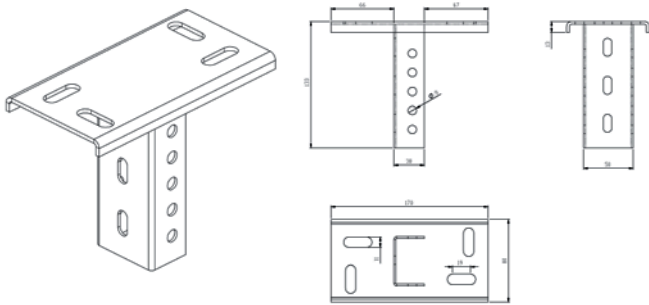
Order details: KRC/ECC

Sample order details: KRC/ECC

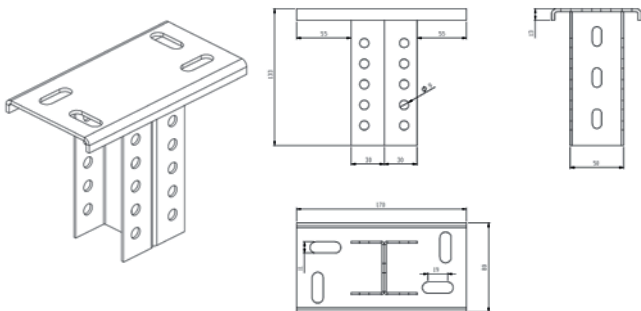
#### ■ Tray Wall Support U Profile



#### ■ Wall Support U Head Plate



#### ■ Wall Support Double U Head Plate



#### Wall Support U Profile

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC4UD1000	1000	2.0	1.60
2.	KRC4UD2000	2000	2.0	3.20
3.	KRC4UD3000	3000	2.0	4.80

#### U Profile 4UD

U-Profile is fixed to the wall for wall mounted installations. Used in conjunction with pendant brackets. M6x15 round head bolts are used.

Order details: *KRC/4UD/Height/Finish*

Order sample details: *KRC4UD1000PG*

#### Wall Support U Head Plate

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC1UD	130	2.0	0.48
2.	KRC1UD50	500	2.0	1.07

#### U Head Plate UD

U-Profile is fixed to the wall for wall mounted installations. Used in conjunction with pendant brackets. M6x15 round head bolts are used.

Order details: *KRC/UD/Finish*

Order sample details: *KRCUDPG*

#### Wall Support Double U Head Plate

No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRC2UD	130	2.0	0.71

#### Double U Head Plate UD

Double U-Head Plate is fixed to the wall for wall mounted installations. Used in conjunction with pendant brackets. M6x15 round head bolts are used.

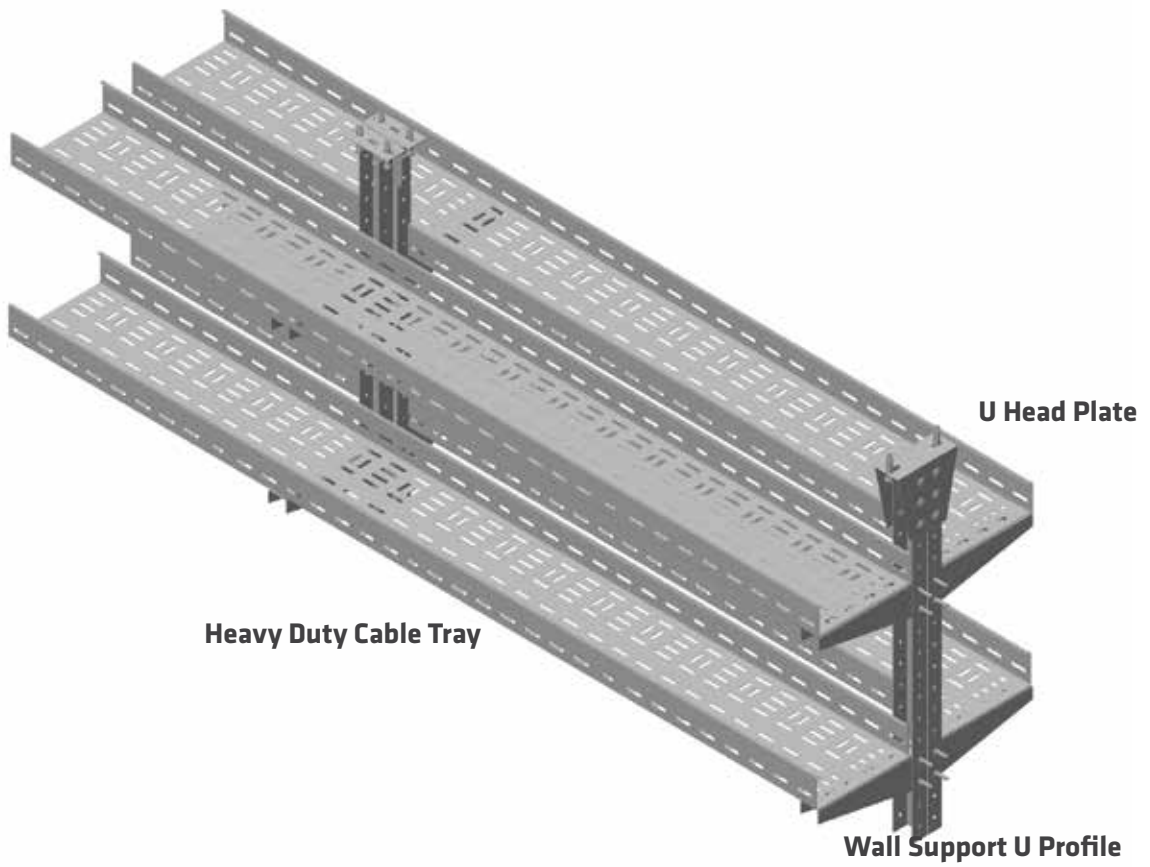
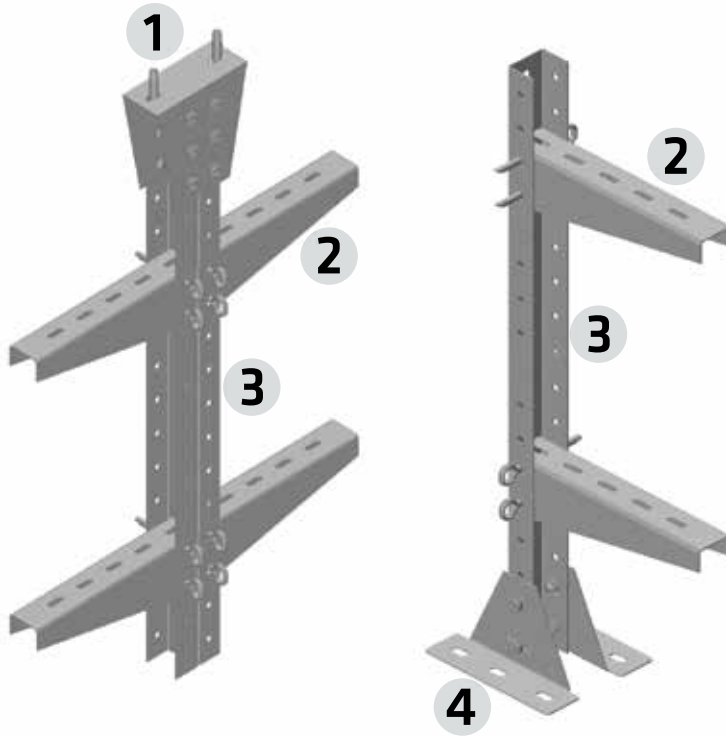
Order details: *KRC/2UD/Finish*

Order sample details: *KRC2UDPG*



## U Fixing Support System

- 1 U Head Plate
- 2 Cantilever Arm
- 3 Wall Support U Profile
- 4 U Head Plate



■ Wall Support U Head Plate

Wall Support U Head Plate				
No	PRODUCT CODE	HEIGHT (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1	KRC3UD	125	2.0	0.37
2.	KRC4UD	120	2.0	0.70
3.	KRC5UD	80	2.0	0.56
4.	KRC6UD	100	2.0	0.57

**U Head Plate UD**

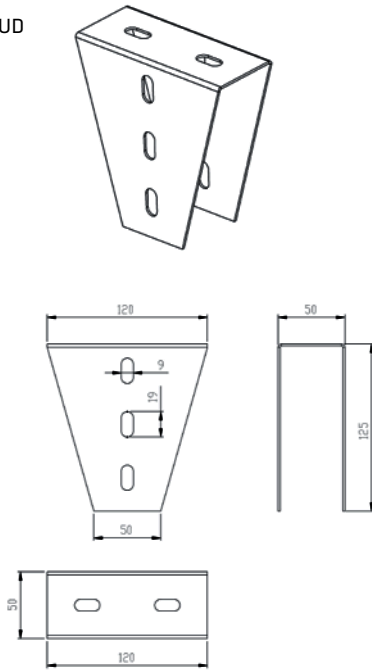
Head Plate are used for reverse installation in U Support System.

M6x15 head round bolts are used.

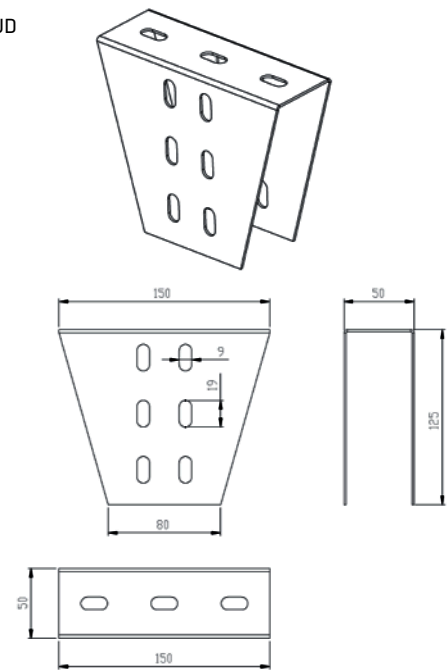
Order details: KRC/UD Head Plate Type/Finish

Sample order details: KRC3UDPG

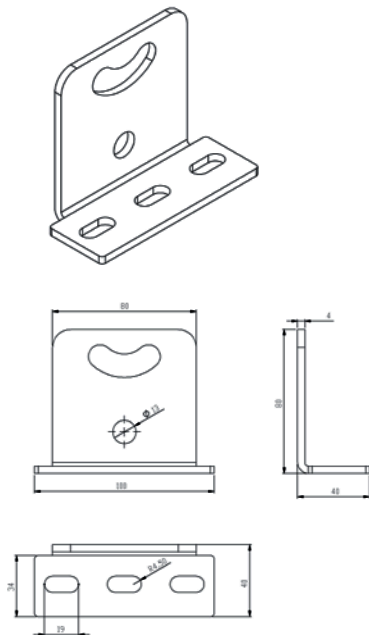
KRC3UD



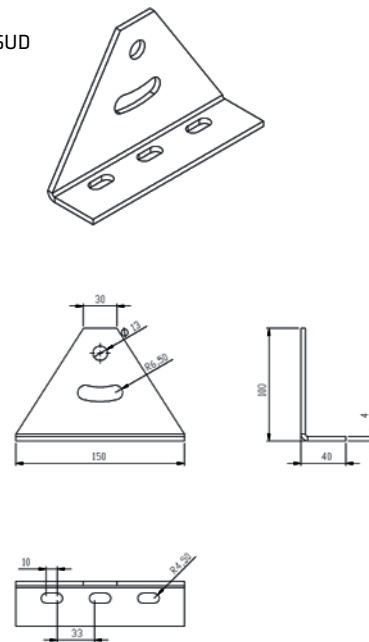
KRC4UD



KRC5UD

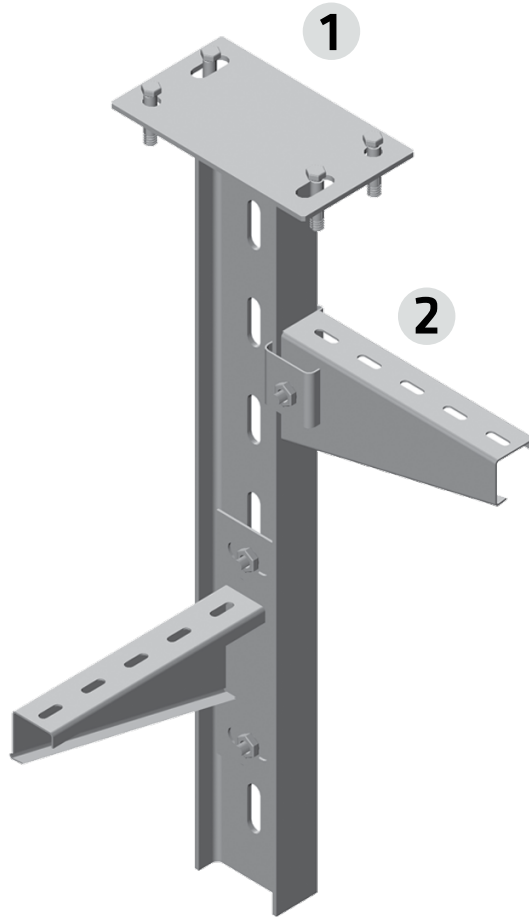


KRC6UD

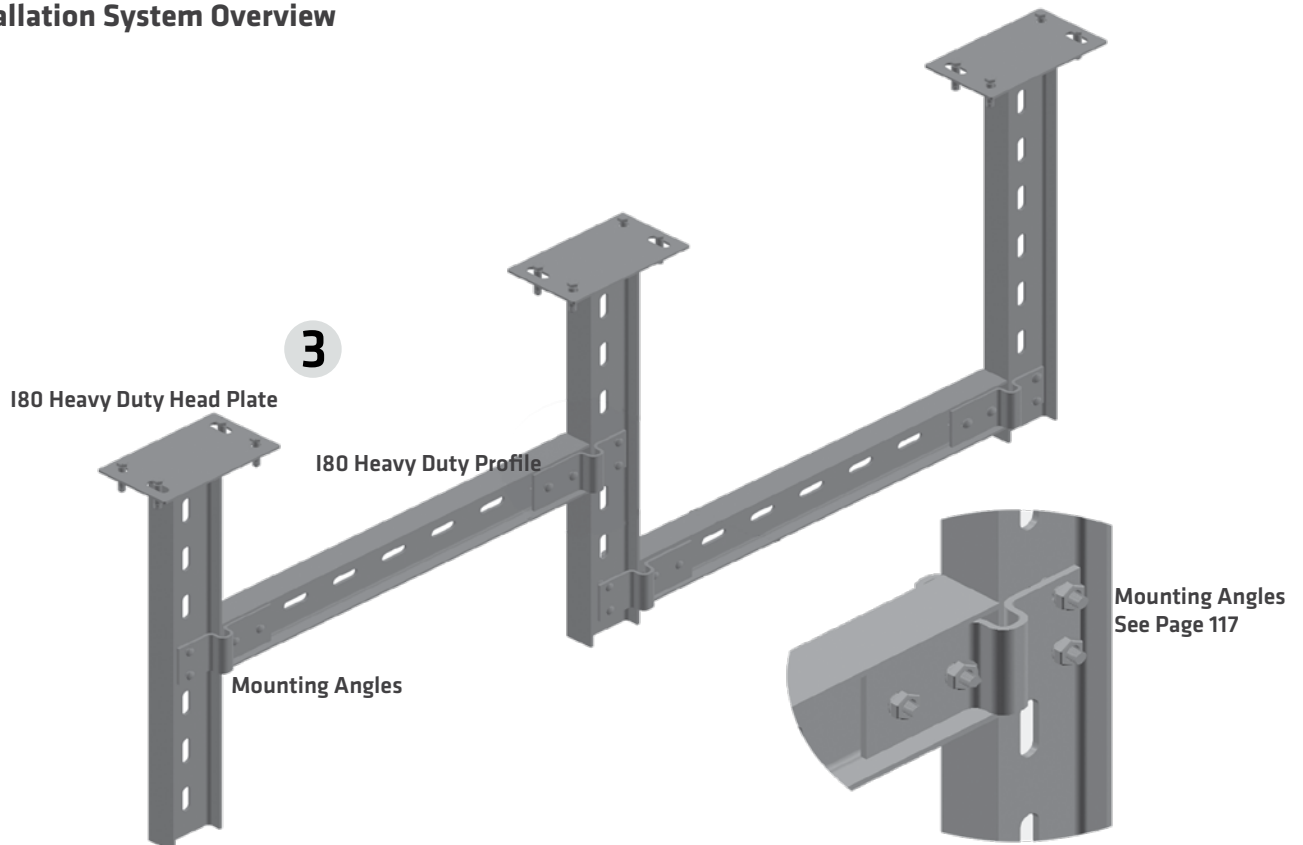


## I80 Support System

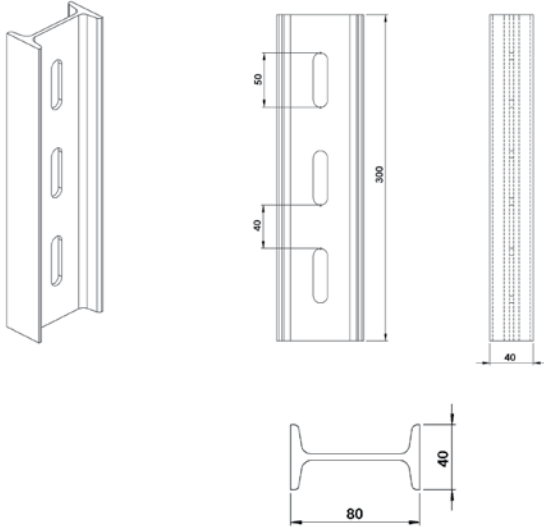
- 1 I80 Heavy Duty Head Plate
- 2 I80 Cantiveler Arm
- 3 I80 Heavy Duty Profile



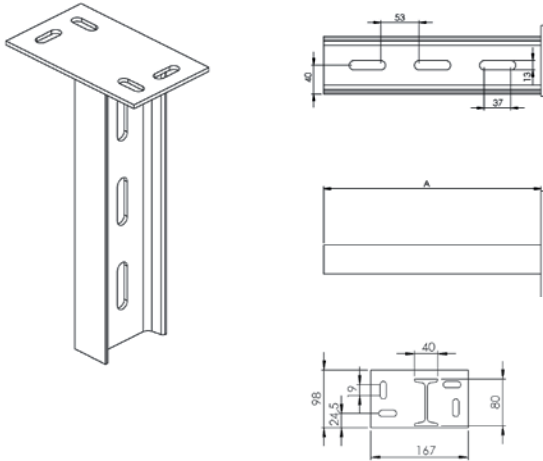
## Installation System Overview



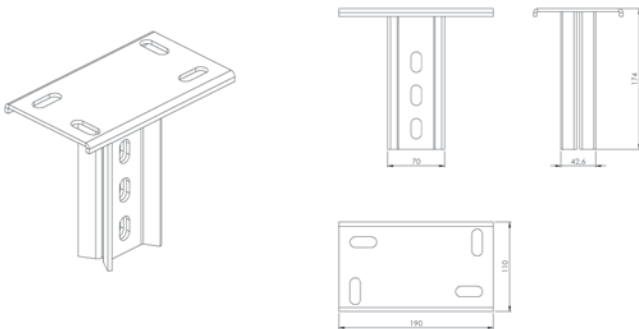
### ■ I80 Heavy Duty Profile



### ■ I80 Heavy Duty Head Plate



### ■ I80 Heavy Duty Head Plate



#### I80 Heavy Duty Profile

No	PRODUCT CODE	WIDTH (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCI80P10300	300	4.0	1.80
2.	KRCI80P10600	600	4.0	3.60
3.	KRCI80P10900	900	4.0	5.40
4.	KRCI80P11000	1000	4.0	6.00
5.	KRCI80P11500	1500	4.0	9.00
6.	KRCI80P12000	2000	4.0	12.00
7.	KRCI80P13000	3000	4.0	18.00
8.	KRCI80P16000	6000	4.0	36.00

#### I80 Heavy Duty Profile I8o P1

I80 Heavy Duty Profile is fixed to I8o Head Plate for ceiling mount installations. M6x15 round head bolts are used.

Order details: *KRC/I8oP1/Height/Finish*

Order sample details: *KRCI80P10300PG*

#### I80 Heavy Duty Head Plate

No	PRODUCT CODE	WIDTH (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCI80P20300	300	4.0	2.45
2.	KRCI80P20600	600	4.0	4.25
3.	KRCI80P20900	900	4.0	6.05
4.	KRCI80P21000	1000	4.0	6.65
5.	KRCI80P21500	1500	4.0	9.65
6.	KRCI80P22000	2000	4.0	12.65
7.	KRCI80P23000	3000	4.0	18.65

#### I80 Heavy Duty Head Plate I8o P2

I80 Head Plates are attached to the ceiling. M6x15 round head bolts are used.

Order details: *KRC/I8oP2/Height/Finish*

Order sample details: *KRCI80P20300PG*

#### I80 Heavy Duty Head Plate

No	PRODUCT CODE	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCI80P3	4.0	1.55

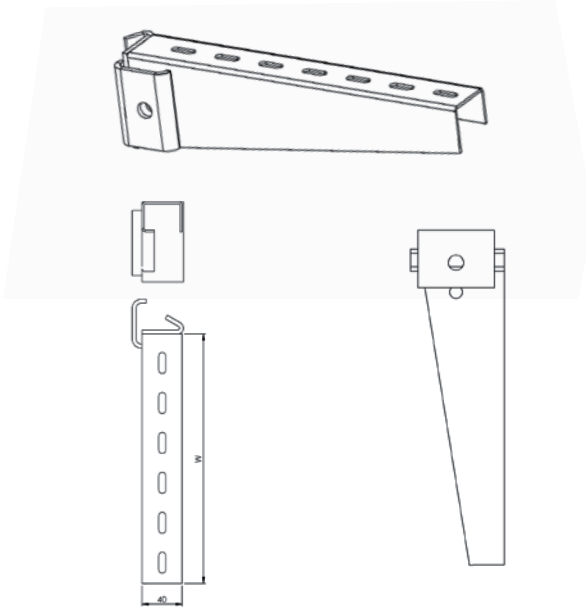
#### I80 Standard Duty Head Plate I8o P3

I80 Head Plates are attached to the ceiling. M6x15 round head bolts are used.

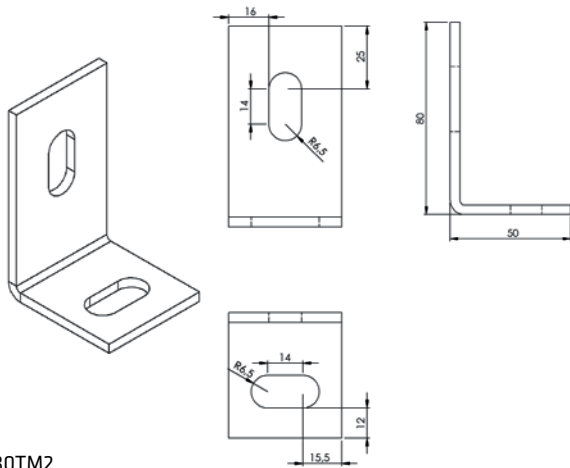
Order details: *KRC/I8oP3/Finish*

Order sample details: *KRCI80P3PG*

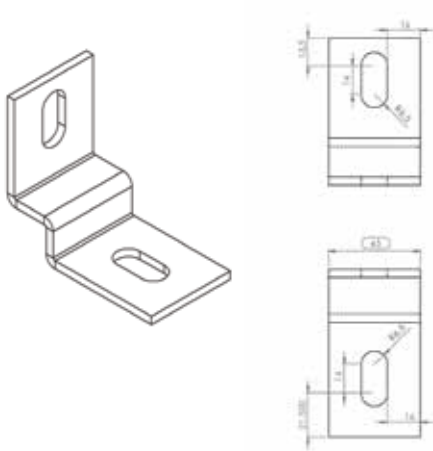
### ■ I80 Cantilever Arm



### ■ I80 Fastening Bracket



KRCI80TM2



KRCI80DM

### I80 Cantilever Arm

No	PRODUCT CODE	WIDTH (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCI80K050	50	2.0	0.38
2.	KRCI80K100	100	2.0	0.42
3.	KRCI80K150	150	2.0	0.52
4.	KRCI80K200	200	2.0	0.64
5.	KRCI80K250	250	2.0	0.70
6.	KRCI80K300	300	2.0	0.80
7.	KRCI80K400	400	2.0	0.98
8.	KRCI80K500	500	2.0	1.17
9.	KRCI80K600	600	2.0	1.36

### I80 Cantilever Arm K

Cantilever Arms are suitable for supporting trays and ladders from flat surfaces. For fixing M6x15 round head bolts are used.

Order details: *KRC/I80/K/Width/Finish*

Sample order details: *KRCI80K050PG*

### I80 Fastening Bracket

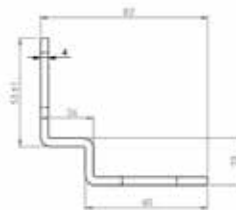
No	PRODUCT CODE	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCI80TM2	4.0	0.36
2.	KRCI80DM	4.0	0.45

### I80 Fastening Bracket TM

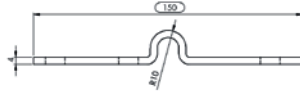
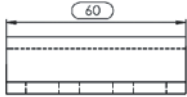
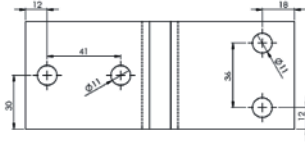
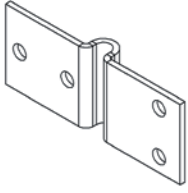
Fastening Brackets are used as a conjunction in I80 support system.

Order details: *KRC/I80/TM/Finish*

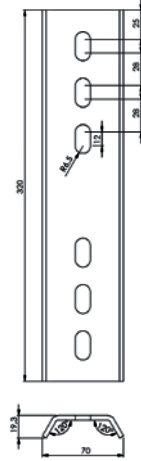
Order sample details: *KRCI80TM1PG*



■ Mounting Angles I80



KRCI80EK2



KRCI80EK1

Mounting Angles I80

No	PRODUCT CODE	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCI80EK2	4.0	0.64
2.	KRCI80EK1	4.0	1.75

Mounting Angles I80 EK

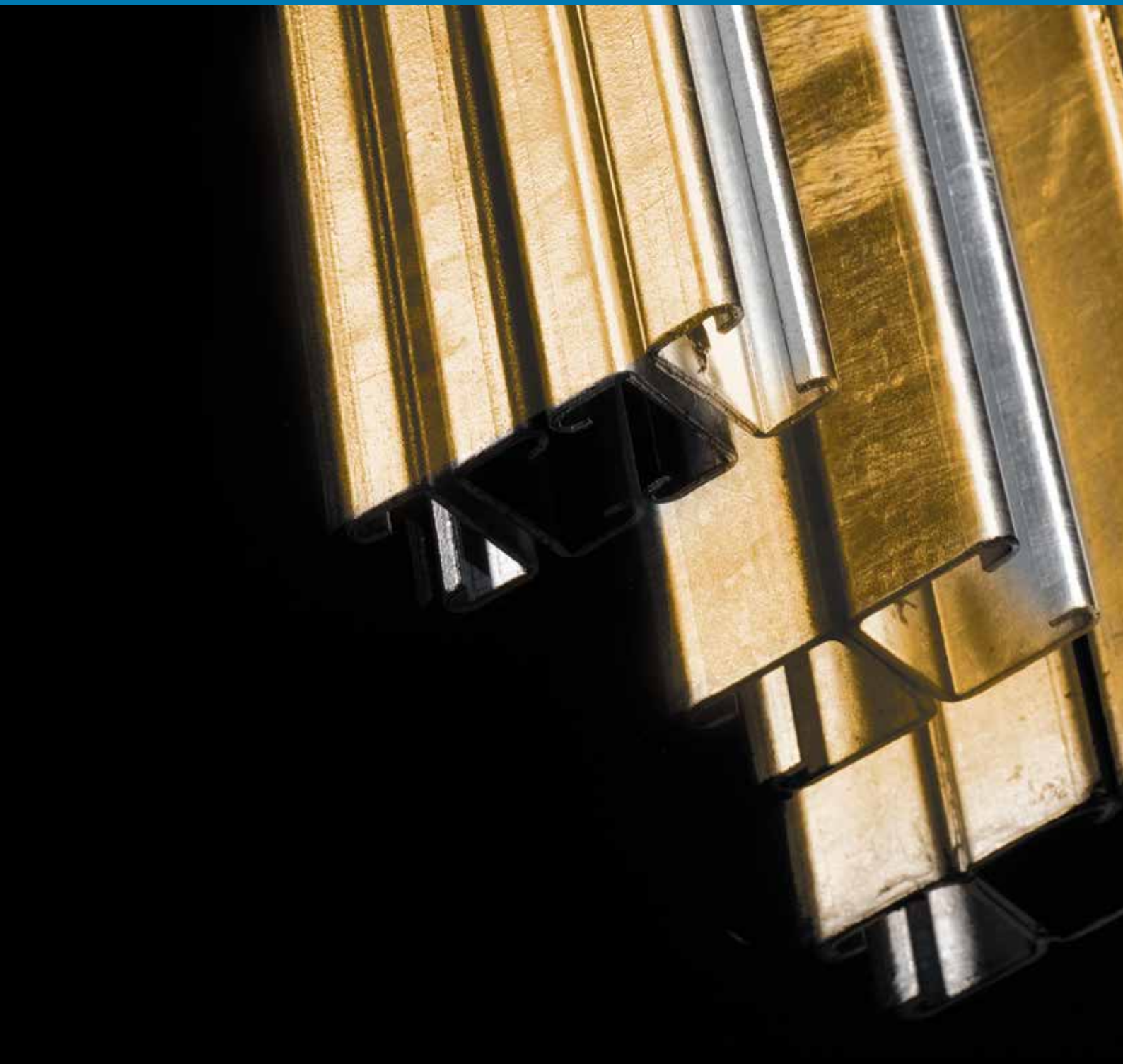
Mounting Angles are used for mounting I80 support on the wall. The mounting angles can be used as a conjunction in I80 support system.

Order details: *KRC/I80EK/Finish*

Order sample details: *KRCI80EK1PG*



Channel System is used in the construction and electrical industries for medium to heavy structural support, often for support wiring. The standard length of the channel is 3000mm. The standard finishes are pre-galvanized and hot dip galvanized. For maximum load conditions M10, M12 spring nuts should be used.

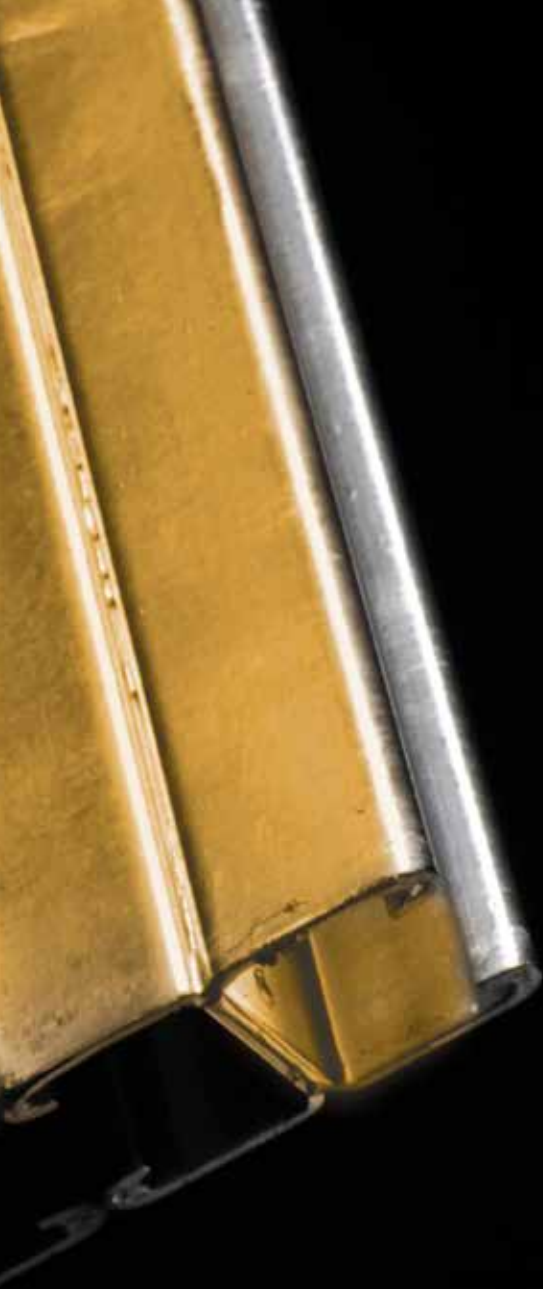


# CHANNEL SYSTEM

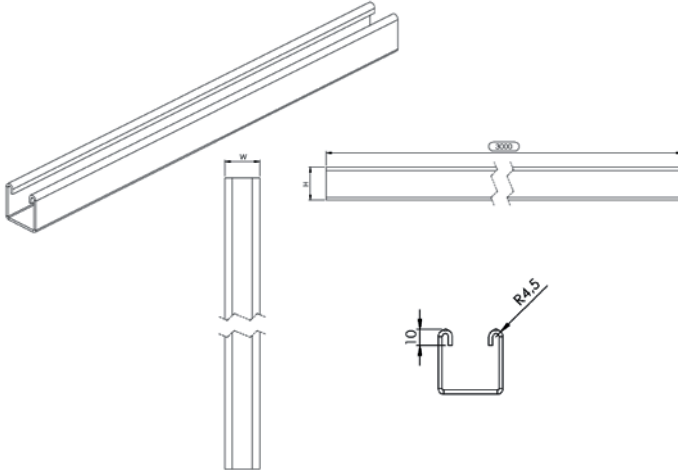
## SELECTION RANGE:

Standard Channel  
Double Channel  
Slotted Channel  
Heavy Duty Cantilever  
Channel Base Fittings  
Flat Fittings  
Angle Fittings

Channel Profile p.122  
Heavy Duty Cantilever p.123  
Flat Fittings p.123  
Mounting Fittings p.125  
Channel Base Plate p.126



### Standard Channel



Standard Channel						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)*	LENGTH (mm)**	WEIGHT (kg/mt)
1.	KRC21SC2125	21	21	2.50	3000	1.55
2.	KRC41SC4125	41	41	2.50	3000	2.73

### Standard Channel SC

Standard channels are mostly used in the construction and electrical industries for medium to heavy structural support, often for supporting wiring. The standard finish for channels are pre-galvanized and hot dip galvanized. For maximum load conditions M10, M12 spring nuts should be used.

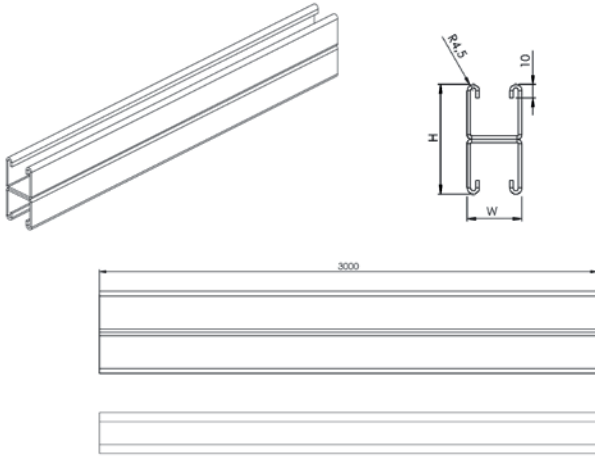
\* Available in 1.50 mm, 2.00 mm thickness.

\*\* Available in 2440 mm length.

Order details: KRC/Width/SC/Height/Thickness/Finish

Sample order details: KRC21SC2125PG

### Double Channel Welded



Double Channel Welded						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)*	LENGTH (mm)**	WEIGHT (kg/mt)
1.	KRC21DC4225	21	42	2.50	3000	3.20
2.	KRC41DC8225	41	82	2.50	3000	5.47

### Double Channel DC

Double channels are mostly used in the construction and electrical industries for medium to heavy structural support, often for supporting wiring. The standard finish for channels are pre-galvanized and hot dip galvanized. For maximum load conditions M10, M12 spring nuts should be used.

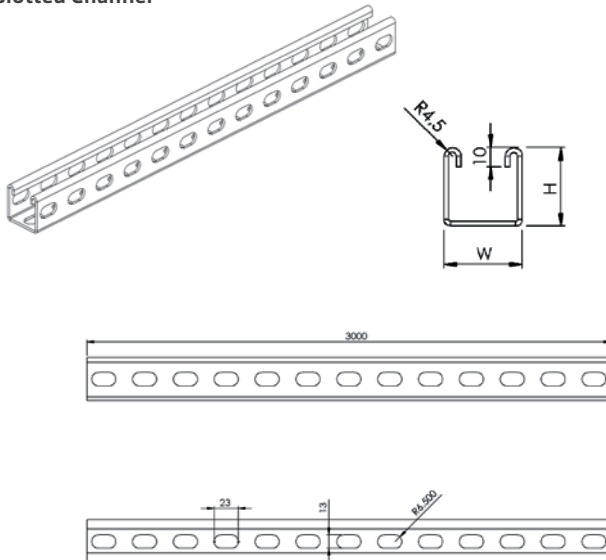
\* Available in 1.50 mm, 2.00 mm thickness.

\*\* Available in 2440 mm length.

Order details: KRC/Width/DC/Height/Thickness/Finish

Order sample details: KRC21DC4225PG

### Slotted Channel



Slotted Channel						
No	PRODUCT CODE	WIDTH (mm)	HEIGHT (mm)	THICKNESS (mm)*	LENGTH (mm)**	WEIGHT (kg/mt)
1.	KRC21SLC2125	21	21	2.50	3000	1.40
2.	KRC41SLC4125	41	41	2.50	3000	2.30

### Slotted Channel SLC

Slotted channels are mostly used in the construction and electrical industries for medium to heavy structural support. The standard length of the channel is 3000 mm. The standard finish for channels are pre-galvanized and hot dip galvanized. For maximum load conditions M10, M12 spring nuts should be used.

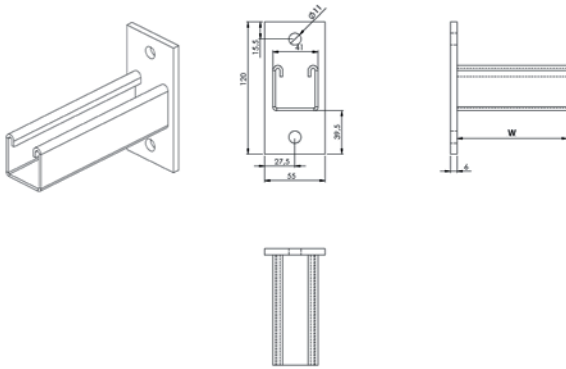
\* Available in 1.50 mm, 2.00 mm thickness.

\*\* Available in 2440 mm length.

Order details: KRC/Width/SLC/Height/Thickness/Finish

Order sample details: KRC21SLC2125PG

### ■ Heavy Duty Cantiveler



Heavy Duty Cantiveler				
No	PRODUCT CODE	LENGTH (mm)	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCK100	100	2.50	0.48
2.	KRCCK200	200	2.50	0.75
3.	KRCCK300	300	2.50	1.02
4.	KRCCK400	400	2.50	1.30
5.	KRCCK500	500	2.50	1.57
6.	KRCCK600	600	2.50	1.84

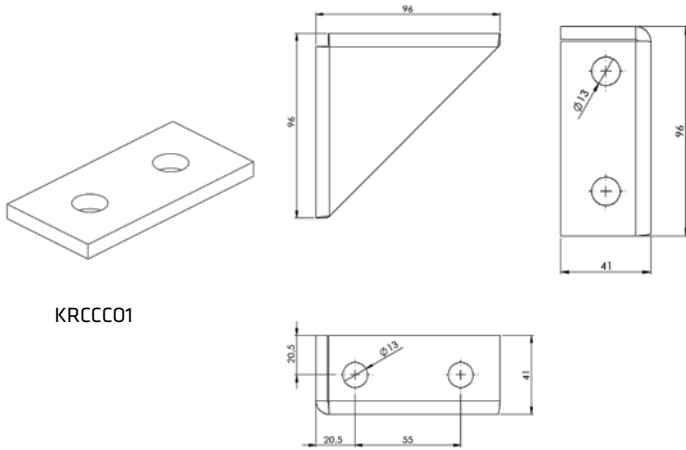
#### Heavy Duty Cantiveler CK

Heavy Duty Cantiveler is suitable for supporting medium to heavy loads. For fixing M6 Nuts are used.

Order details: KRC/CK/Length/Finish

Order sample details: KRCCK100PG

### ■ Flat Fittings: Splice Plate



KRCCC01

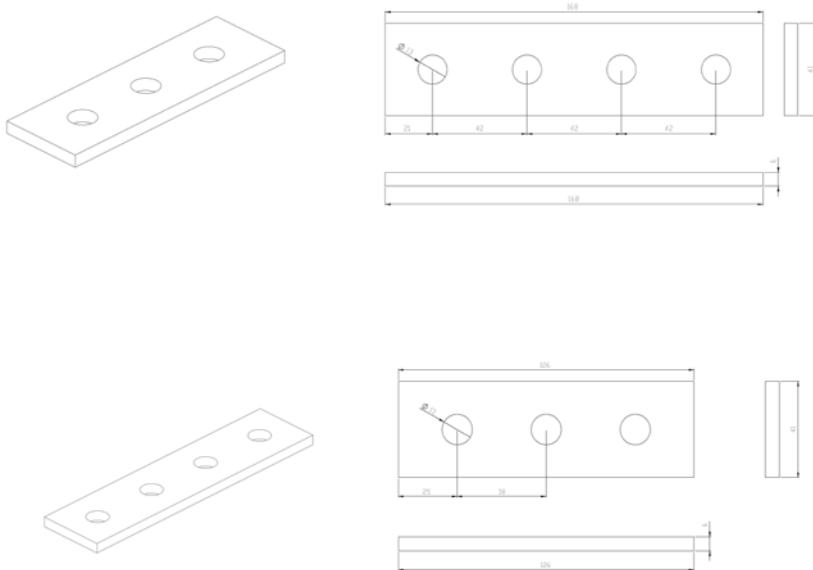
Flat Fittings: Splice Plate				
No	PRODUCT CODE	PRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE01	2 hole splice plate	6.00	0.17
2.	KRCCDE02	3 hole splice plate	6.00	0.24
3.	KRCCDE03	4 hole splice plate	6.00	0.35

#### Flat Fittings: Splice Plate

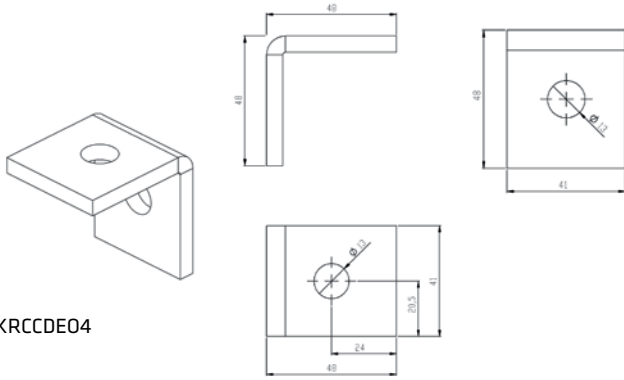
Splice Plate is used to reinforce the connection between channels.

Order Details: KRC/CDE/Fitting Type/Finish

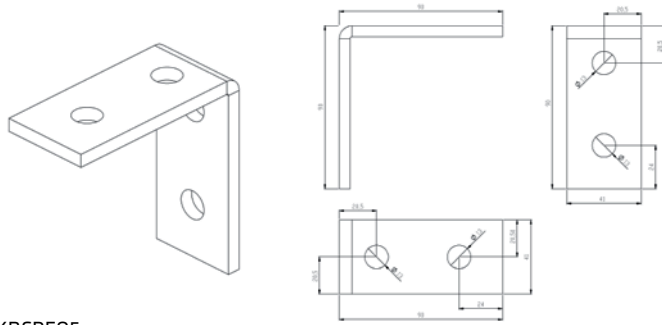
Samples Order Details: KRCDE01PG



■ 90° Angle Fitting

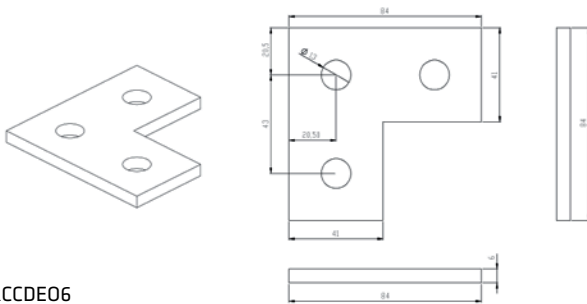


KRCCDE04

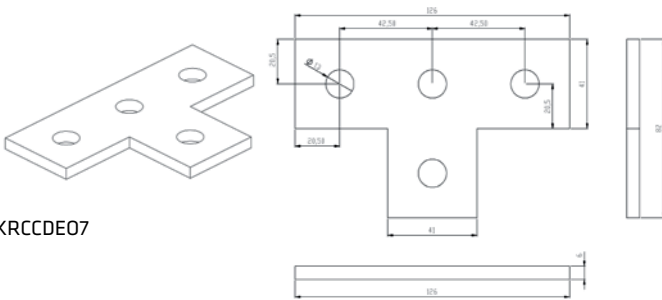


KRCCDE05

■ Flat Fittings T Type Splice Plate



KRCCDE06



KRCCDE07

90° Angle Fitting

No	PRODUCT CODE	PRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE04	2 Hole 90 Angle Fitting	6.0	0.20
2.	KRCCDE05	4 Hole 90 Angle Fitting	6.0	0.35

Flat Fittings: Angle Fitting 90

Angle Fitting is used to reinforce the connection between channel and heavy duty cantilever.

Order Details: KRC/CDE/Fitting Type/Finish

Samples Order Details: KRCCDE04PG

Flat Fittings T Type Splice Plate

No	PRODUCT CODE	PRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE06	3 Hole T Type Splice Plate	6.0	0.20
2.	KRCCDE07	3 Hole T Type Splice Plate	6.0	0.35

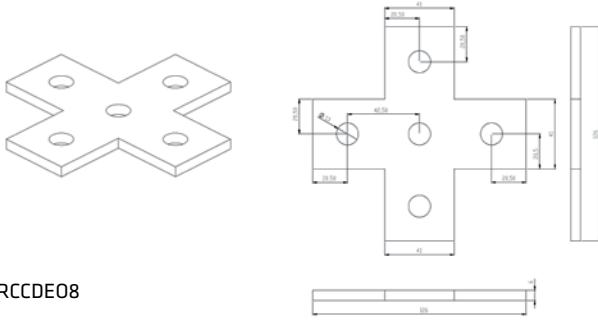
Flat Fittings: T Type Splice Plate

T Type Splice Plate is used to reinforce the connection between channels.

Order Details: KRC/CDE/Fitting Type/Finish

Sample Order Details: KRCCDE06PG

### ■ Flat Fittings T Type Splice Plate



KRCCDE08

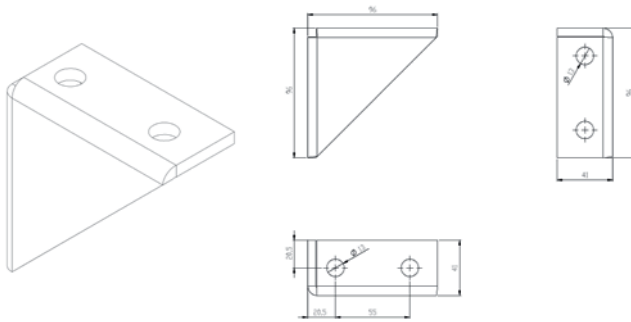
Flat Fittings T Type Splice Plate				
No	PRODUCT CODE	PRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE08	5 Hole Cross Type Splice Plate	6.0	0.47
2.	KRCCDE09	2 Hole Cross Type Splice Plate	6.0	0.72

### Flat Fittings: Angle Fitting 90° Cross Type Splice Plate

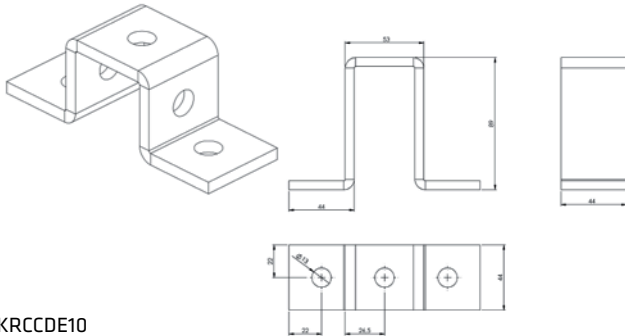
Cross Type Splice Plate is used to reinforce the connection between channels.

Order Details: KRC/CCDE/Fitting Type/Finish

Sample Order Details: KRCDE08PG



### ■ Mounting Fittings



KRCCDE10

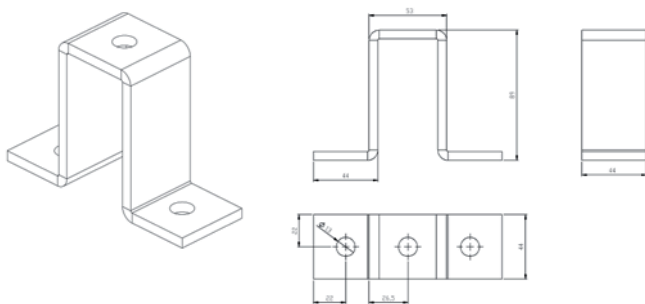
Mountings Fittings				
No	PRODUCT CODE	PRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE10	5 Hole Mounting Fittings	6.0	0.42
2.	KRCCDE11	6 Hole Mounting Fittings	6.0	0.57

### Mounting Fittings

Mounting Fittings are used to reinforce the connection between channels.

Order Details: KRC/CDE/ Mounting Type/Finish

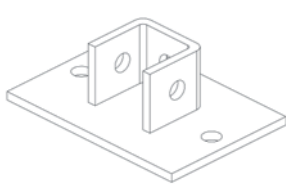
Samples Order Details: KRCDE01oPG



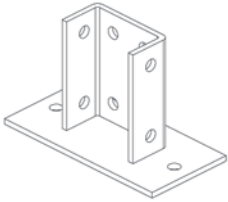
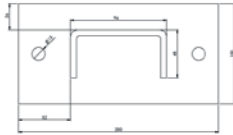
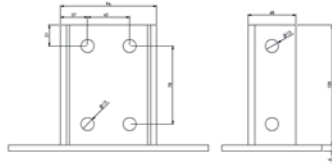
KRCCDE11



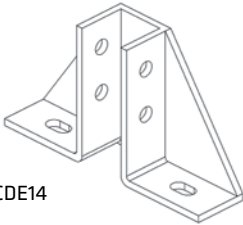
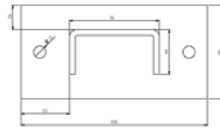
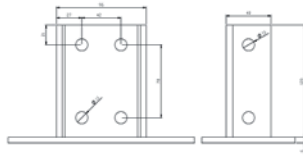
■ Channel Base Plate



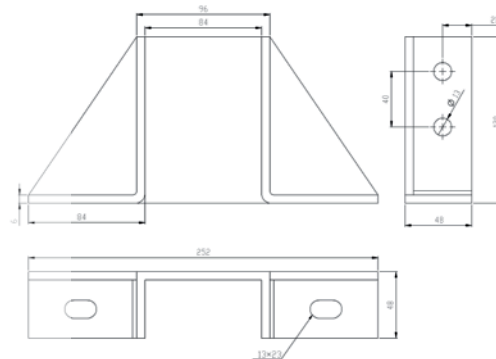
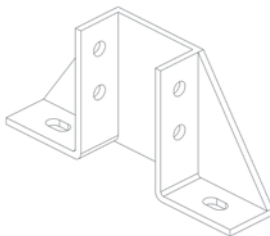
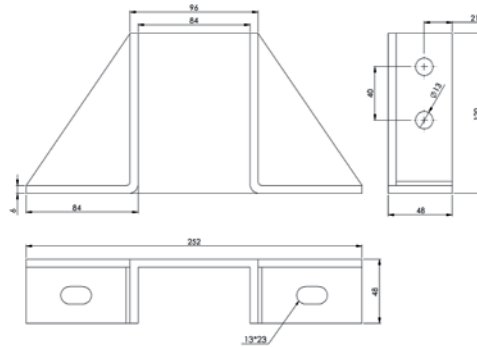
KRCCDE12



KRCCDE13



KRCCDE14



Channel Base Plate

No	PRODUCT CODE	PRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE12	Single Channel Base Plate	6.0	1.08
2.	KRCCDE13	Double Channel Base Plate	6.0	2.00
3.	KRCCDE14	Single Channel Base Plate	6.0	1.82
4.	KRCCDE15	Double Channel Base Plate	6.0	2.06

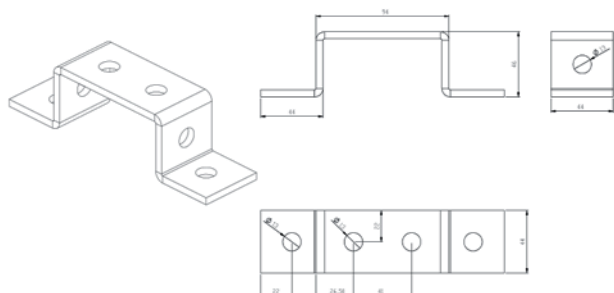
Channel Base Plate

Base plate brackets are used for fastening the channel with ground or wall or ceiling. Available for single and double channel.

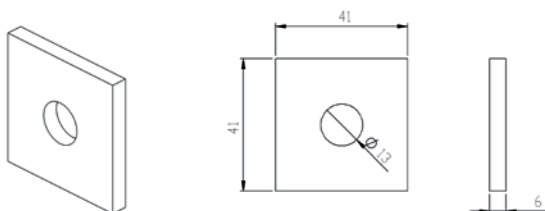
Order Details: KRC/CDE/ Base Plate Type/Finish

Samples Order Details: KRCCDE12PG

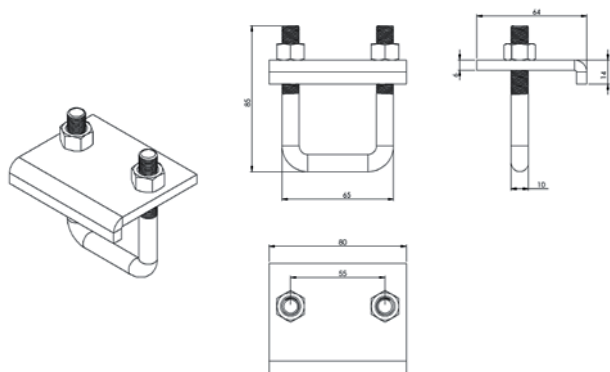
## ■ Mounting Fittings



## ■ Mounting Fittings



### ■ Channel Clamp



### ■ Spring Nut



## Mounting Fittings

No	PRODUCT CODE	PRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE16	6 Hole Mounting Fittings	6.0	0.45

## Mounting Fittings

Mounting Fittings are used to reinforce the connection between channels.

**Order Details: KRC/CDE/ Mounting Type/Finish****Samples Order Details: KRCCDE16**

## Mounting Fittings

No	PRODUCT CODE	PPRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE17	1 Hole Splice Plate	6.0	0.008

## Mounting Fittings

Mounting Fittings are used to reinforce the connection between channels.

**Order Details:** *KRC/CDE/ Mounting Type/Finish*

**Samples Order Details:** *KRCCDE17*

## Channel Clamp

No	PRODUCT CODE	PPRODUCT DESCRIPTION	THICKNESS (mm)	WEIGHT (kg/pcs)
1.	KRCCDE18	Channel Clamp	6.0	0.35

## Channel Clamp

**Channel Clamp** is used to clamp a channel with a beam or a channel.

**Order Details:** *KRC/CDE/Fitting Type/Finish*

**Samples Order Details:** *KRCCDE18*

## Spring Nut

No	PRODUCT CODE	Thread Size
1.	KRCM6YS	M6
2	KRCM8YS	M8
3.	KRCM10YS	M10
4.	KRCM12YS	M12

## Spring Nut YS

Fox maximum load conditions of channels M10, M12 spring nuts should be used.

**Order details:** *KRC/Thread Size/YS*

**Order sample details:** *KRCM6YS*

Kıraç Metal offers a variety of fasteners such as bolts, nuts, washers, threaded rods, anchors, beam clamps for all trays, ladders and trunkings.



# FASTENERS

**Bolts**  
**Nuts**  
**Washers**  
**Threated Rods**  
**Sleeve Anchors**  
**Beam Clamp**





### Round Head Bolt

No	PRODUCT CODE	PRODUCT DESCRIPTION
1.	KRCM6X12C	M6x12 Round Head Bolt DIN603
2.	KRCM6X15C	M6x15 Round Head Bolt DIN603
3.	KRCM6X20C	M6x20 Round Head Bolt DIN603

### Round Head Bolt C

Order details: *KRC/Diameter Size/C*

Order sample details: *KRCM6X12C*



### Hexagonal Head Bolt

No	PRODUCT CODE	PRODUCT DESCRIPTION
1.	KRCM8X20AC	M8x20 Hexagonal Head Bolt DIN 933
2.	KRCM8X30AC	M8x30 Hexagonal Head Bolt DIN 933
3.	KRCM10X30AC	M10x30 Hexagonal Head Bolt DIN 933

### Hexagonal Head Bolt AC

Order details: *KRC/Diameter Size/AC*

Order sample details: *KRCM8X20AC*



### Nut

No	PRODUCT CODE	PRODUCT DESCRIPTION
1.	KRCM6FS	M6 Flanged Nut
2.	KRCM6AS	M6 Hexagonal Nut DIN943
3.	KRCM8AS	M8 Hexagonal Nut DIN943
4.	KRCM10AS	M10 Hexagonal Nut DIN943
5.	KRCM12AS	M12 Hexagonal Nut DIN943
6.	KRCM8YS	M8 Spring Nut
7.	KRCM10YS	M10 Spring Nut

### Flanged Nut FS

Order details: *KRC/Diameter Size/FS*

Order sample details: *KRCM6FS*

### Hexagonal Nut AS

Order details: *KRC/Diameter Size/AS*

Order sample details: *KRCM6AS*

### Spring Nut YS

Order details: *KRC/Diameter Size/YS*

Order sample details: *KRCM6YS*



### Washer

No	PRODUCT CODE	PRODUCT DESCRIPTION
1.	KRCM6P	M6 Washer
2.	KRCM8P	M8 Washer
3.	KRCM10P	M10 Washer

### Spring Washer P

Order details: *KRC/Diameter Size/P*

Order sample details: *KRCM6W*



Threaded Rod		
No	PRODUCT CODE	PRODUCT DESCRIPTION
1.	KRCM81000GJ	M8x1000 Threaded Rod DIN975
2.	KRCM101000GJ	M10x1000 Threaded Rod DIN975
3.	KRCM81500GJ	M8x1500 Threaded Rod DIN975
4.	KRCM101500GJ	M10x1500 Threaded Rod DIN975
5.	KRCM82000GJ	M8x2000 Threaded Rod DIN975
6.	KRCM102000GJ	M10x2000 Threaded Rod DIN975
7.	KRCM83000GJ	M8x3000 Threaded Rod DIN975
8.	KRCM103000GJ	M10x3000 Threaded Rod DIN975
9.	KRCM8GJEK	M8 Threaded Rod Coupler
10.	KRCM10GJEK	M10 Threaded Rod Coupler

#### Threaded Rod GJ

Order details: *KRC/Diameter Size/Length/GJ*

Order sample details: *KRCM81000GJ*



Anchor		
No	PRODUCT CODE	PRODUCT DESCRIPTION
1.	KRCM8X55SA	M8x55 Sleeve Anchor
2.	KRCM8X75SA	M8x75 Sleeve Anchor
3.	KRCM10X70SA	M10x70 Sleeve Anchor
4.	KRCM10X85SA	M10x85 Sleeve Anchor
5.	KRCM12X90SA	M12x90 Sleeve Anchor
6.	KRCM8DA	M8 Drop In Anchor
7.	KRCM10DA	M10 Drop In Anchor
8.	KRCM12DA	M12 Drop In Anchor
9.	KRCM8SDA	M8 S Type Drop in Anchor
10.	KRCM10SDA	M10 S Type Drop in Anchor
11.	KRCM12SDA	M12 S Type Drop in Anchor

#### Sleeve Anchor SA

Order details: *KRC/Diameter Size/SA*

Order sample details: *KRCM8X55SA*

#### Drop In Anchor DA

Order details: *KRC/Diameter Size/DA*

Order sample details: *KRCM8DA*

#### S Type In Anchor SDA

Order details: *KRC/Diameter Size/SDA*

Order sample details: *KRCM8SDA*

Beam Clamp		
No	PRODUCT CODE	PRODUCT DESCRIPTION
1.	KRCM8BC	M8 Beam Clamp
2.	KRCM10BC	M10 Beam Clamp

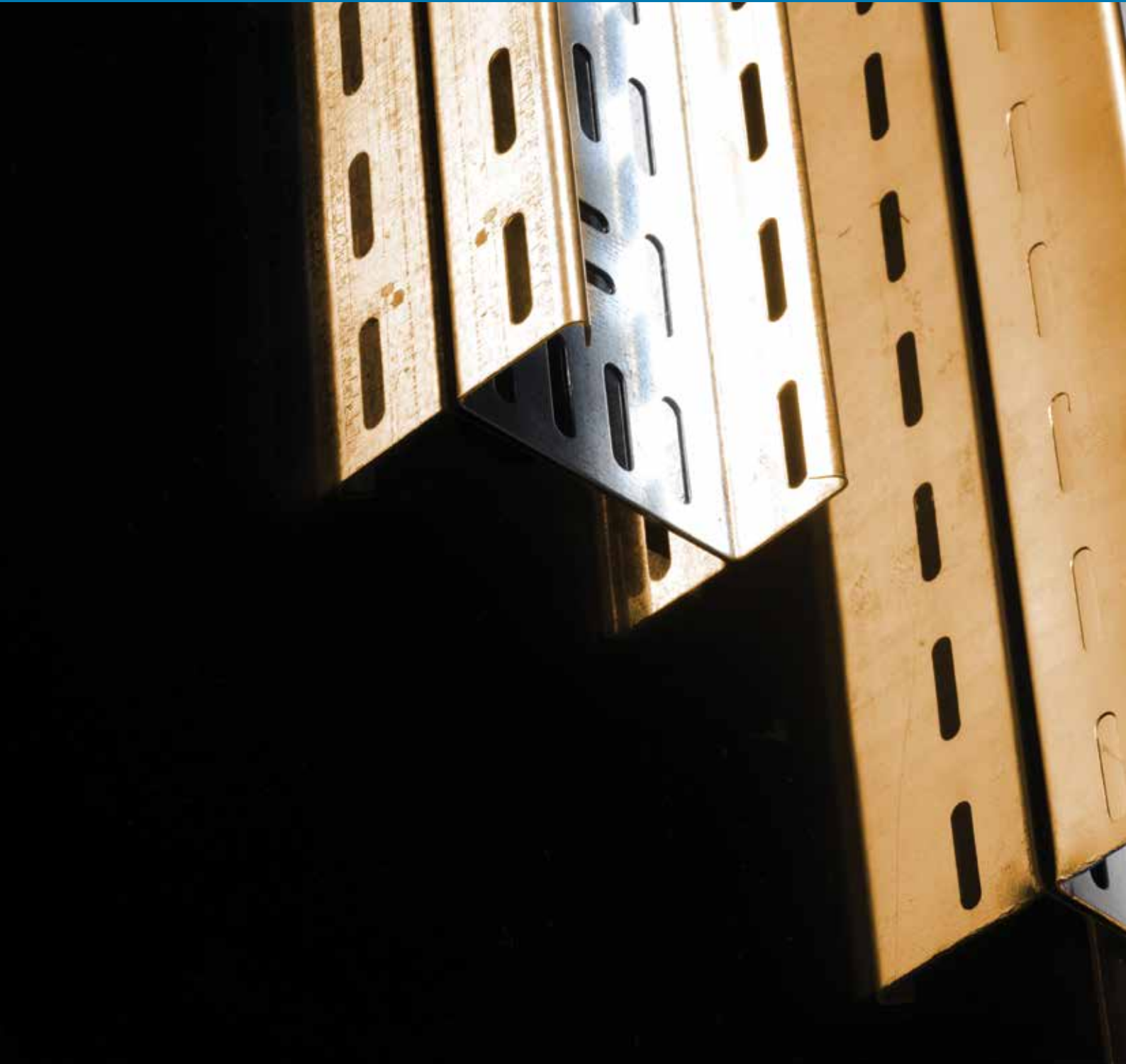
#### Beam Clamp

Order details: *KRC/Diameter Size/BC*

Order sample details: *KRCM8BC*



General information of Kır Metal Cable Trays and installation guide are arranged in accordance with IEC 61537 standards and this document has been prepared for benefit of cable tray users.



# CABLE TRAYS GENERAL INFORMATION AND INSTALLATION GUIDE



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Receiving and Unloading  
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Electrical Continuity

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### CABLE TRAYS GENERAL INFORMATION AND INSTALLATION GUIDE

General information of Kırac Metal Cable Trays and installation guide are arranged in accordance with IEC 61537 standards and this document has been prepared for benefit of cable tray users.

## GENERAL INFORMATION

**WARNING:** Do not use a cable tray as a walkway, ladder or support for people. Cable tray is a mechanical support system for cables and raceways. Using cable trays as walkways can cause personal injury and also damage cable tray and installed cables. Performances of cable tray systems are dependent on its proper installation, including supports and cables. Neglecting installation and maintenance guidelines may lead to personal injury as well as damage to property. Installation and maintenance of cable tray systems shall be conducted only by qualified personnel and responsible people should be trained.

Trained in the proper care and use of protective equipment such as insulated rubber gloves, hard hat, safety glasses or face shields, dust mask and flash resistant clothing in accordance with established safety practices.

## 1.RECEIVING AND UNLOADINGS

Cable tray is generally bundled and shipped via motor freight, except for export shipments that could be loaded in containers. Accessories and small components are boxed and often skidded.

During receiving and unloading of cable trays, some cautions should be considered as shown in the pictures below.

### ACCEPTABLE

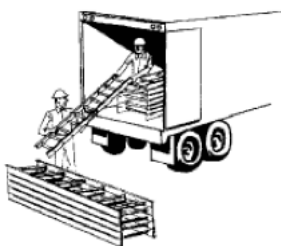


### UN- ACCEPTABLE

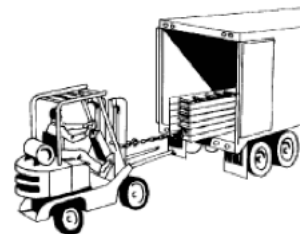


If the vehicle isn't suitable for uploading by forklift as indicated in the picture below, it should be hand unloaded. To prevent damage to cable trays, never pull cable tray from truck trailer by chaining to bottom rung and dragging out of trailer. If hand unloaded, workers should wear gloves and steel toed-footwear.

### ACCEPTABLE



### UN- ACCEPTABLE



## STORAGE

Hot dip galvanized and stainless steel cable trays can be stored without cover but should be loosely stacked, elevated off the ground and ventilated to prevent storage stain. If appearance is important, cable tray should be stored indoors to prevent water or other foreign materials from staining or adhering to cable tray.

Mild galvanized or electro-galvanized cable tray must be protected or stored in well ventilated, dry locations.

Electrostatic Powder Coated cable trays should be protected and stored indoors if possible.

Cable tray should be stored away from high traffic areas.



## 2.INSTALLATION

Cable tray system design shall comply with IEC 61537 and shall follow safe work practices as described in above standards. Installation instructions are not limited with application defined in this document. It is recommended that the work described be performed by qualified persons familiar with standard electrical construction practices, electrical equipment and safety of electrical wiring systems. Should that not be possible and there are critical circuits involved, stainless steel cable tray and fire resistant cables should be considered.

### Installation of Cable Tray

Cable tray systems are to be installed so they are accessible. If possible 300mm minimum should be left above or between installed systems to allow for cable installation and maintenance.

There should be electrical continuity connection between each cable tray and cable tray system shall be bonded to building steel and earth at least every 18 m.

**WARNING:** Do not cut or drill structural building members (e.g. I-beams) without approval by the general contractor. In order to install the cable tray supports, first find the required elevation from the floor to the bottom of the cable tray and establish a level line a laser or a nylon string.

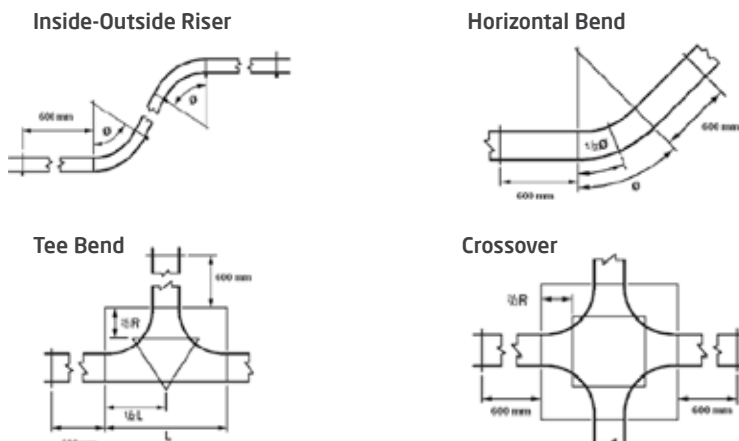
**WARNING:** Supports for cable trays should provide strength and working load capabilities sufficient to meet the load requirement of the cable tray system. Considering should be given to the loads associated with future cable additions or any other additional loads applied to the cable tray system or the cable trays support system.

Placing couplers between supports not on the supports is recommended and it would increase strength of cable tray system. It is not recommended to place splice joints on the supports even if cable tray length is the same as support span.

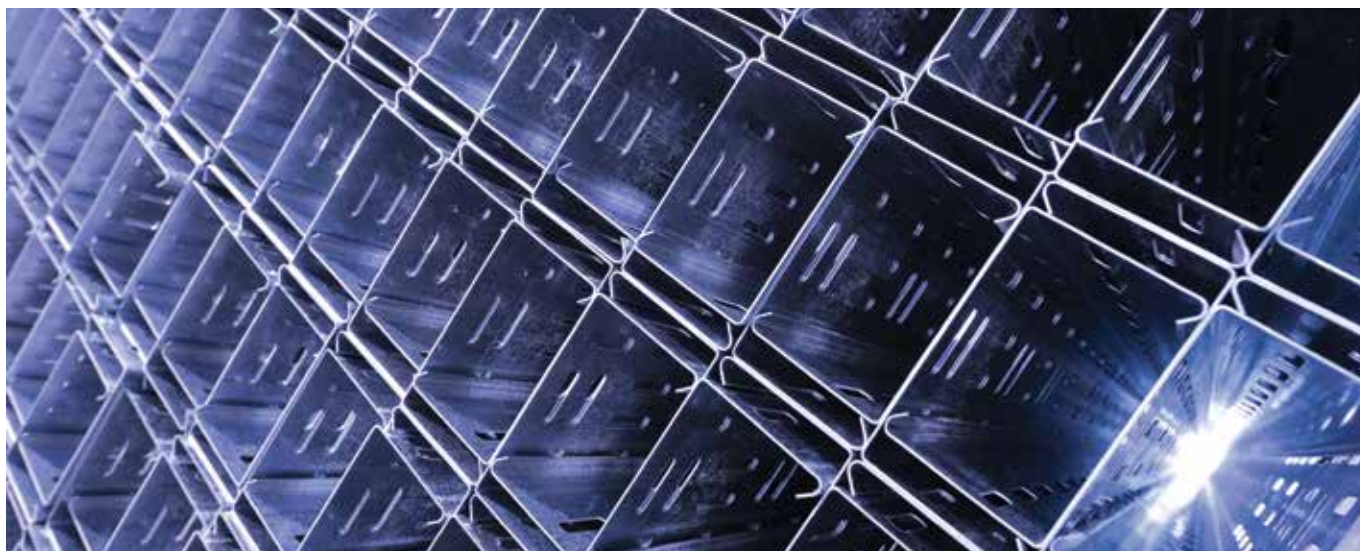
### Installation of Accessories

Bending radius of accessories are determined depending of bending radius of installed cables. Manufacturers define min bending radius for each cable. Radius of accessory should be equal or greater than min bending radius of the largest cable. When many cables are installed in the same cable tray, the biggest bending radius should be considered to make easier installation.

Support distance that should be placed after bending are shown drawings below. Support distance from all outputs of the bending to other cable tray should be placed max in 600mm.







### 3. MATERIAL AND FINISH

All details relating to the materials and finishes of Kırac Metal cable trays are given below.

The selection of cable tray material and finishes depend on many factors as environmental conditions, corrosion resistance, material handling and aesthetic view. Kırac Metal cable trays are manufactured in mild steel, stainless steel and also can be provided in pre-galvanized steel, hot dip galvanized or powder coated.

Standards Environment	Pre-Galvanized BS EN 10130	Hot Dip Galvanized BE EN 1461	Stainless Steel 304L / 316L	Epoxy Coating	Aluzing	Magnelis
INDOOR	●			●		
OUTDOOR - URBAN		●			●	●
OUTDOOR - INDUSTRIAL		●			●	●
OUTDOOR - MARINE		●			●	●
MINERAL ACID		●		●	●	●
ORGANIC ACID		●		●	●	●
BASES		●	●	●	●	●
HALOGENS			●	●		
OIL & GAS		●	●	●	●	●
FOOD INDUSTRY			●	●		

**Selection table:** Standards & Environment

● Reccomendend ● Possible

### Materials

While manufacturing cable trays, cable ladders with all accessories, the following materials are used:

MILD STEEL	PRE-GALVANISED STEEL	STAINLESS STEEL
Cold-rolled mild steel grade DC01 (steel number 1.0333) to BS EN 10130:2006	Grade DX51D+Z100 (steel number 1.0244) to BS EN 10326:2004  Grade DX51D+Z275 (steel number 1.0244) to BS EN 10326:2004	Non-Marine grade stainless steel AISI TYPE 304 grade (steel number 1.4301) to BS EN 10088-2:2005  Marine grade stainless steel AISI TYPE 316 grade (steel number 1.4404) to BS EN 10088-2:2005

## Cold-rolled mild steel grade DC01 (steel number 1.0333) to BS EN 10130:2006

Cold-rolled mild steel is used in application requiring guaranteed forming properties. The drawing quality DC01 is intended for stretch forming, bending, roll-forming. This material is mostly used for welding and hot dip galvanizing.

### Chemical composition % of the ladle analysis of grade DC01 (1.0330)

Unless otherwise agreed at the time of enquiry and order, this grade may be supplied as alloy steel (for example with boron or titanium)			
C	Mn	P	S
max 0.12	max 0.6	max 0.045	max 0.045

### Mechanical properties of grade DC01 (1.0330)

Nominal thickness (mm)	
ReH - Minimum yield strength (MPa)	280

### Equivalent grades of grade DC01 (1.0330)

Germany DIN, WNr	France AFNOR	England BS	European EN	Italy UNI	Spain UN	China GB	Sweden SS	Russia GOSTR
St12	C	CR4	FeP01	FeP01	AP00	08F	1142	08kp 08ps

### Pre-Galvanised Steel

Pre-Galvanized steel is produced by coating coils of sheet steel with zinc by continuously rolling the material through zinc at the mills. This steel refers to mill galvanized or hot dip mill galvanized. The minimum coating weights are either 100g/m<sup>2</sup> or 275g/m<sup>2</sup> for all pre-galvanized steel.

Grade DX51D+Z100 (steel number 1.0244)

Grade DX51D+Z275 (steel number 1.0244)

### Stainless Steel

Our stainless steel cable trays are manufactured from continuous roll-formed AISI Type 304 or AISI Type 316/316L stainless steel. Both types belong to austenitic stainless steels, which are hardenable only by cold working. Stainless steel's resistance to corrosion and staining, low maintenance make it an ideal material for many applications.

### Corrosion Resistance

Excellent in a range of atmospheric environments and many corrosive media - generally more resistant than 304. Subject to pitting and crevice corrosion in warm chloride environments, and to stress corrosion cracking above about 60°C. Considered resistant to potable water with up to about 1000mg/L chlorides at ambient temperatures, reducing to about 500mg/L at 60°C. 316 is usually regarded as the standard "marine grade stainless steel", but it is not resistant to warm sea water. In many marine environments 316 does exhibit surface corrosion, usually visible as brown staining. This is particularly associated with crevices and rough surface finish.

### Heat Resistance

Good oxidation resistance in intermittent service to 870°C and in continuous service to 925°C. Continuous use of 316 in the 425-860°C range is not recommended if subsequent aqueous corrosion resistance is important. Grade 316L is more resistant to carbide precipitation and can be used in the above temperature range. Grade 316H has higher strength at elevated temperatures and is sometimes used for structural and pressure-containing applications at temperatures above about 500°C.



## Finishes

### Galvanizing

Galvanization is the process of applying a protective zinc coating to metal, in order to prevent rusting and galvanic corrosion. Although galvanization can be done with electrochemical and electro deposition processes, the most common method in current use is hot-dip galvanization, in which steel parts are submerged in a bath of molten zinc. Zinc protects steel in two ways. Firstly, it protects the steel as a coating and second as a sacrificial anode to such areas as cut edges, scratches. Anti-corrosion protection is also ensured at places where the metal is cut, since the zinc acts as an anode, and is thus solubilizing into zinc oxide, with the result that the steel base is protected.

Zinc coatings prevent corrosion of the protected metal by forming a physical barrier, and by acting as a sacrificial anode if this barrier is damaged. When exposed to the atmosphere, zinc reacts with oxygen to form zinc oxide, which further reacts with water molecules in the air to form zinc hydroxide. Finally zinc hydroxide reacts with carbon dioxide in the atmosphere to yield a thin, impermeable, tenacious and quite insoluble dull gray layer of zinc carbonate which adheres extremely well to the underlying zinc, so protecting it from further corrosion. Hot-dip galvanizing deposits a thick robust layer that may be more than is necessary for the protection of the underlying metal in some applications. This is the case in automobile bodies, where additional rust proofing paint will be applied. Here, a thinner form of galvanizing is applied by electroplating, called "electro galvanization". The hot-dip process slightly reduces the strength of the base metal, which is a consideration for the manufacture of wire rope and other highly-stressed products. The protection provided by this process is insufficient for products that will be constantly exposed to corrosive materials such as salt water. For these applications, more expensive stainless steel is preferred. Some nails made today are electro-galvanized.

### Pre-galvanized finishes to BS EN 10130

Pre-galvanized steel comprises of sheet metal which has been hot dip galvanized in continuous production lines. Steel material that is continuously immersed in hot dip galvanized according to BS EN 10130.

Coating thickness:

Z100:10  $\mu\text{m}$  + 4  $\mu\text{m}$

Z275:20  $\mu\text{m}$  + 7  $\mu\text{m}$

Field of application: indoor

### Hot Dip Galvanized finishes to BS EN 1461

It is a coating method that immersing of steel manufactured products in molten zinc bath after production according to EN ISO 1461 standards. A chemical bond with steel can be established by this method and provides overall protection with coating inside, outside, corners and small points of the material.

It is not recommended to cut, drill or do any operations on hot dip galvanized products. If it is necessary to do, after this operation, galvanized spray should be applied to protect the surface.

Field of application: indoor /outdoor

Coating thickness; Thickness of the material and coating of the hot dip galvanized products according to EN ISO 1461 standard are given below table.

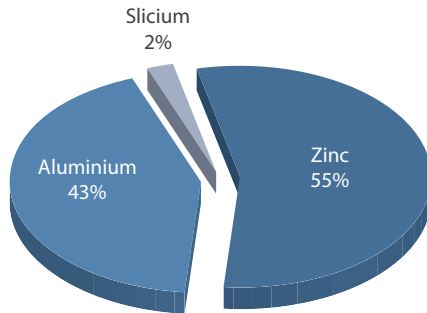
MIN COATING THICKNESS ACCORDING TO EN ISO 1461 STANDARDS					
Class	Material and its thickness	Min local coating thickness gr/m <sup>2</sup> - $\mu\text{m}$		Min average coating thickness gr/m <sup>2</sup> - $\mu\text{m}$	
K	Steel $\geq 6\text{mm}$	505gr/m <sup>2</sup>	70 $\mu\text{m}$	610gr/m <sup>2</sup>	85 $\mu\text{m}$
L	Steel $\geq 3\text{mm}$ - < 6mm	395gr/m <sup>2</sup>	55 $\mu\text{m}$	505gr/m <sup>2</sup>	70 $\mu\text{m}$
M	Steel $\geq 1,5\text{mm}$ - < 3mm	325gr/m <sup>2</sup>	45 $\mu\text{m}$	395gr/m <sup>2</sup>	55 $\mu\text{m}$
N	Steel < 1,5mm	250gr/m <sup>2</sup>	35 $\mu\text{m}$	325gr/m <sup>2</sup>	45 $\mu\text{m}$
P	Cast $\geq 6\text{mm}$	505gr/m <sup>2</sup>	70 $\mu\text{m}$	575gr/m <sup>2</sup>	80 $\mu\text{m}$
R	Cast < 6mm	430gr/m <sup>2</sup>	60 $\mu\text{m}$	505gr/m <sup>2</sup>	70 $\mu\text{m}$

The table is for general use, regulations for the single products may include different requirements, including various thickness categories. A requirement may be added for thicker coatings or for additionally requisites, without influencing conformity with this standard.

## ALUZINC

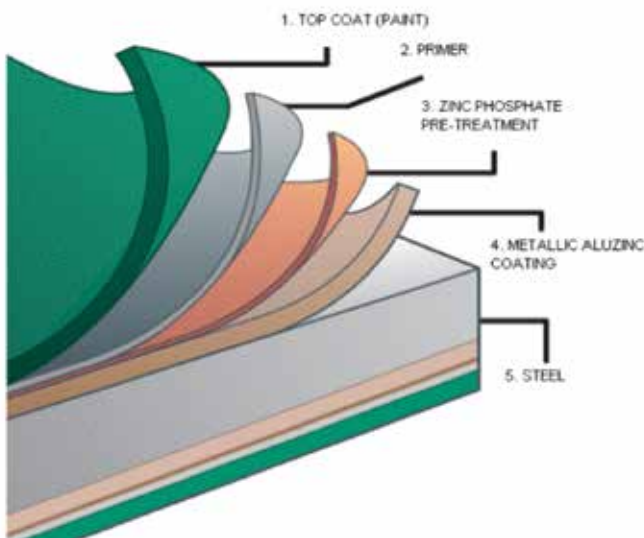
### 1.1 GENERAL PROPERTIES

Aluzinc, Zinalume and Galvalume are different trade names of one product. Aluzinc is cold rolled galvanized steel with metal coating composed of Aluminium (55%), Zinc (43,4%) and Slicium (1,6%).



Aluzinc is available in a wide range of steel grades: steels for cold forming and deep drawing applications, and structural steels. It is suitable for application in making: roofing and flashings, wall claddings, gutters and downpipes, fences, steel cable trays and frames, garage doors, garden sheds, some vehicle exhaust components, flue and other applications where long life is an essential requirement. It is formable, weldable and readily accepts paint finishes. Aluzinc coated steel has superior long term corrosion resistance in most atmospheric conditions. This is achieved through the combination of the sacrificial protection of the zinc and the barrier protection of the aluminium. Corrosion rates vary according to the severity of conditions, Aluzinc steel coatings out-perform galvanized coatings from 2 - 6 times. The protective mechanism for aluzinc and hot-dip galvanized steel are such that the hot-dip galvanized coating initially protects better but the zinc coat will gradually corrode away more and more in the vicinity of the edge and the protective effect will be lost. Then the aluminium part of the aluzinc coating will persist for a longer period of time, and the protection will thereby remain.

The primary purpose for addition of silicon is to minimize the growth of the brittle intermetallic layer that forms when steel is zinc-coated using the hot-dip process. Without silicon the aluzinc coated steel could not be made using hot-dip process.



In the hot-dip galvanized sheet, it is very important to achieve good adhesion of the coating during eventual forming operation by customer; however the intermetallic layer is hard and brittle. It is important therefore, for the alloy layer to be kept as thin as possible. This is the role of silicon here which restricts the growth of layer.

### 1.2 ADVANTAGES

#### Extremely long useful life

The corrosion rate, i.e. the thickness of the aluminium-zinc coating that is lost every year in a normal environment to which aluzinc is freely exposed, is a maximum of 20% of one micron (0.2 µm).

It could therefore be said in theory that the useful life of aluzinc in a normal environment is more than 100 years. In real life aluzinc has lasted more than 20 years in several different types of outdoor environments, including normal marine and a rural setting.

Because the coatings on galvanized steel and aluzinc steel perform in different ways, aluzinc steel has much better corrosion protection (and service life) than galvanized steel.

#### Low cost in relation to useful life

Due to the long useful life of aluzinc, the total life cost of a product in aluzinc is very low compared to other

materials, including aluminium and stainless steel.

#### Protection against mechanical damage

Aluzinc can obviously be scratched and damaged mechanically, but it will still retain its good resistance to corrosion, its long useful life and its attractive surface.

The excellent corrosion resistance of aluzinc is a result of the properties of the two metallic substances: the barrier effect of the aluminium present on the surface of the coating, and the sacrificial protection of zinc.

#### ALUZINC - Corrosion Resistance



#### Attractive silvery surface

Aluzinc has a clean, natural and bright silvery surface. The surface includes small spangles that give it a lustrous and striking appearance as light conditions change. The characteristic spangled silver colour of aluzinc gives it a very attractive appearance. Thanks to a thin transparent layer of aluminium oxides on the top surface of the coating, this appearance is preserved when aging. Aluzinc resists finger, hand, and foot printing during its installation.

Aluzinc's thermal reflectivity results in a 50% reduction in the heat from solar radiation penetrating the box, thus reducing thermal loads. In addition to reflecting heat away from the box, aluzinc coating more efficiently retains the cold within the box when compared to galvanized steel.

### The surface retains its appearance

Since 80 percent of the volume of the aluminiumzinc coating is aluminium, the surface will retain its appearance for many years, dulling off slowly, depending on atmospheric contaminants. So aluzinc is a very appropriate material if the visible surfaces of a product are required to retain their appearance for a very long time.



Aluzinc steel  
Washed panels - Exposed for 21 years



Galvanized steel  
Washed panels - Exposed for 21 years



Galvanised steel

After 240 hours  
of salt spray  
testing.

Aluzinc steel

After 240 hours  
of salt spray  
testing.

Aluzinc steel

After 2000 hours  
of salt spray  
testing.

Galvanised steel,  
foreground, and  
Aluzinc steel

After 20 years of  
natural exposure.

### Hard surface

The surface of aluzinc is twice as hard as that of hot-dip galvanized steel. The hard surface has high wear resistance, which increases the life length.

### Twenty years warranty for aluzinc coating

Aluzinc's performance in the construction industry has been so

superior, that steel mills warranty it against rupture, perforation, or failure due to corrosion. Similar warranties do not exist for galvanized steel. There is no rust-through warranty for galvanized steel in contrast to aluzinc steel skin which has 20 years rust-through warranty.



Edge corrosion of hot-dip galvanized steel (left) and of Aluzinc (right).

### Good environmental choice

The long useful life of aluzinc compared to hot-dip galvanized sheet steel, offers major environmental benefits. The long useful life will enable your products to last longer and will contribute to conservation of resources.

Steel offers three unique environmental benefits:

- Steel always contains recycled material;
- Steel is always 100% recyclable, and the metal coating poses no problems in remelting;
- Steel can be made into exactly the same product again without loss of quality.

### 1.2 APPLICATIONS

Presence of aluminium phase, bright surface and fine spangles enhances superior heat reflectivity. This results into ideal cool roof for hot climates - resulting into cooler buildings/reduced air conditioning costs. Al-Zn-Si alloy has excellent heat reflectivity, up to operating temperatures of about 315°C (600°F). This heat reflectivity makes a building cooler inside on hot, sunny days.

Al-Zn-Si alloy steel resists intermediate and high temperatures far more effectively than galvanized steel. Specifically, Al-Zn-Si alloy steel shows no discoloration up to 315°C (600°F) during continuous or intermittent exposure over a prolonged period. Above this temperature, some discoloration does occur and roughening of the surface is possible. Neither this discoloration nor roughening reduces Al-Zn-Si alloy resistance to rust. Al-Zn-Si alloy maintains its rust-resistance up to 675°C (1250°F).

The aluzinc coated steels are used widely in applications both indoors and outdoors:

- Construction: roofing, cladding, structural sections, composite panels, tiles, etc;
- Domestic appliances: washing machines, tumble dryers, refrigerators, toasters, microwave ovens, etc;
- Miscellaneous: boiler casings, air ducts, cabinets, lighting, computer casings, etc;
- Petrochemical industry: pipe cladding & insulation;
- Heating ventilation and air-conditioning units;
- Electrical enclosures and computer cabinets;
- Aluzinc can also be supplied oiled and/or with a chemical surface conversion.

### 1.3 RECOMMENDATIONS FOR USE

#### Storage

Aluzinc is supplied with a chemical surface passivation or oiled to temporarily limit any risk of black rust formation. During transport and storage, all necessary precautions must be taken to keep the material dry and to prevent the formation of condensation.

#### Forming and joining

The forming and joining techniques mainly used for uncoated steel sheets are also suitable for aluzinc. The coating thickness must therefore be compatible with both the desired degree of corrosion protection and the requirements of the forming and welding processes envisaged. Forming performance is improved if aluzinc is coated with a thin organic coating.

#### Painting

Aluzinc can be painted after degreasing and surface treatment when delivered oiled. Aluzinc coated with a thin organic coating can be painted directly without any surface treatment.

### 1.4 ALUZINC VS. HOT-DIP GALVANIZED STEEL

Outdoor exposure tests have been in progress in Scandinavia for almost 20 years and have demonstrated that the corrosion rate of Aluzinc is 3-7 times lower than that of hot-dip galvanized steel.

- 3 times longer in a rural environment
- 4 times longer in an urban environment
- 4 times longer in a marine environment
- 7 times longer in an industrial environment

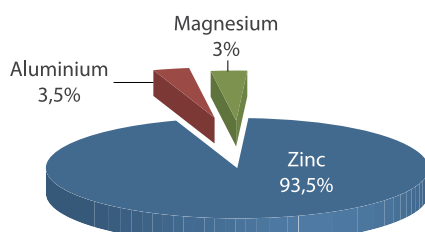
Similar results have been obtained in studies that have been in progress for more than 30 years in the USA, in which aluzinc was compared with hot-dip galvanized steel. These confirm that Aluzinc is 3-7 times better.

## MAGNELIS

### 1.1 GENERAL PROPERTIES

Magnelis is an exceptional, new metallic steel coating providing surface protection in a variety of applications against long-term wear and tear. An innovative metallic coating that offers protection in the harshest environments. Magnelis is a flat carbon steel product coated on both sides with a zinc-aluminium-magnesium alloy. This unique coating offers a combination of attributes. Magnelis provides:

- the best corrosion resistance performance; up to 10 times better than galvanised steel;
- the best suited protection to withstand harsh environments;
- the most cost-effective alternative to the post-galvanised process.



The chemical composition of Magnelis has been optimised to provide the best corrosion-resistance results. Magnelis is produced on a classic industrial hot dip galvanising line, but dipped in a molten bath with an unique metallic chemical composition of zinc with 3.5% aluminium and 3% magnesium. The 3% magnesium is crucial as it creates a stable and durable layer across the entire surface and gives a far more effective corrosion protection than coatings with lower magnesium content.

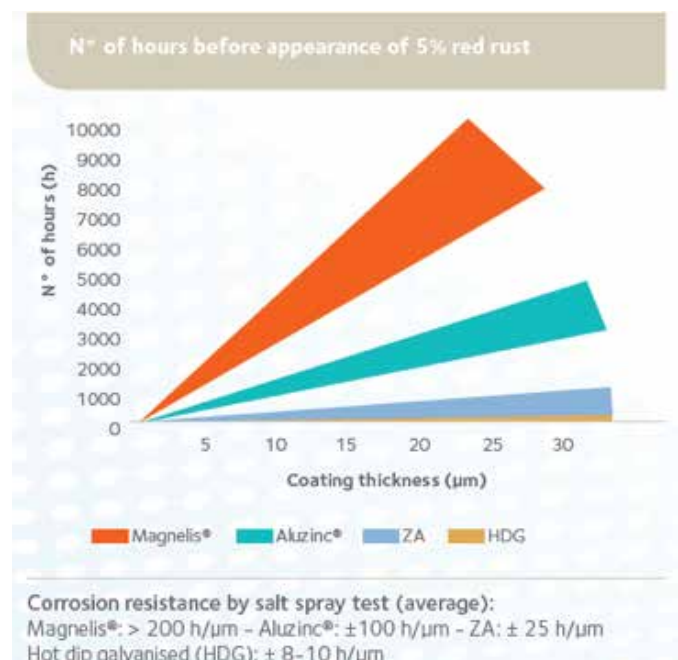
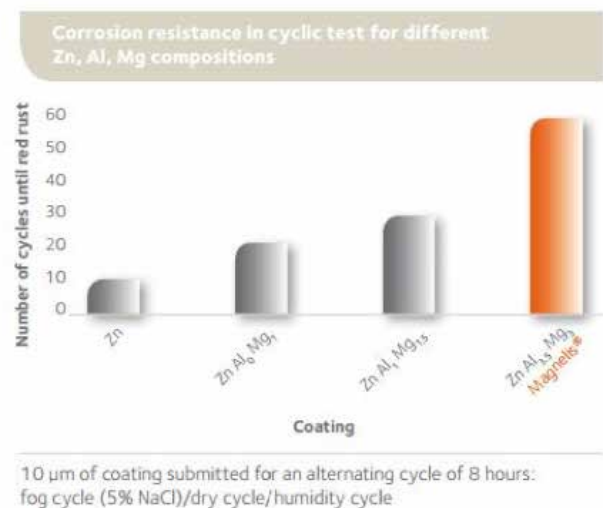
### 1.2 ADVENTAGES

#### Superior corrosion resistance

Nothing offers better protection than Magnelis in chloride or ammonia environments. Due to its unique chemical composition, Magnelis provides superior corrosion resistance than standard hot dip galvanised steel.

The destruction of coating that occurs in an ammonia environment is seven times less with Magnelis than with a standard zinc coating. In addition, Magnelis guarantees a longer-lasting, active coating protection over time.

Magnelis is the optimal coating to protect against atmospheric corrosion. The destruction of coating that occurs in an





ammonia environment, for example, is seven times less with Magnelis than with a standard zinc coating. In highly alkaline environments – those with a pH between 10 and 13 – Magnelis corrosion resistance trumps other metallic coatings as well.

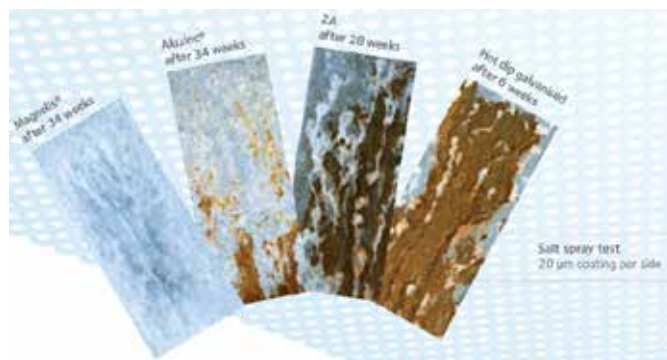
Beyond being able to withstand the harshest of environments, Magnelis® both protects exposed cut edges from corrosive reactions thanks to a thin zinc-based protective film with magnesium, and guarantees a longer-lasting, active coating protection over time.

In addition to being fortified by a cathodic protection equivalent to zinc coating, Magnelis protects exposed cut edges with a thin zinc-based protective film with magnesium, which prevents corrosive reactions.

To demonstrate this efficacy, over an eight-month period engineers submitted a range of metallic coated products to salt spray tests. The results clearly highlighted the superior corrosion resistance performance of Magnelis. In stark contrast to the other samples, no red rust could be observed on the Magnelis sample.

### An impressive economic advantage and an environmentally responsible solution

Magnelis also wields an impressive economic advantage. As the most cost-effective alternative to the post-galvanised process, this new coating offers huge benefits over post-galvanised products (with a ZM coating weight greater than 250 g/m<sup>2</sup>) and even over high value products such as stainless and aluminium.



Depending on the environment in which it is exposed, Magnelis delivers a significant coating weight reduction of two to four times less than post-galvanised products, while still performing significantly better in terms of corrosion resistance. And finally Magnelis® is an environmentally responsible solution. Its application ensures the preservation of natural resources since it uses less zinc than pure zinc coatings. Magnelis' extraordinary properties are created in a normal hot-dip-galvanizing line with a bath containing Zinc, Aluminum and Magnesium. Moreover, like Aluzinc, Magnelis reduces considerably the zinc runoff rate in soils.

Thanks to its highly resistant, adherent metallic layer, Magnelis can be formed in a variety of methods, including bending, drawing and profiling. Furthermore by decreasing the amount of metallic coating, while safeguarding corrosion resistance levels, spot welding is consequently improved. A protective oxide barrier covers the weld, preventing the development of red rust. Thinner coating facilitates processing and, once again, delivers substantial savings.

### Over 20 years warranty

Magnelis can be utilised with most of steels for road safety products. It guarantees magnelis for up to 25 years in traffic

safety applications such as road barriers and lighting poles. 20 year warranty is guaranteed for roofing & cladding in marine environment.

### 1.3 APPLICATIONS

This product is ideal for use in construction and civil engineering applications, where good corrosion resistance in very aggressive environments (e.g. chloride or highly alkaline) is required. Magnelis is the perfect choice for highly alkaline and ammonia environments. With its natural dark gray colour and the smooth and spangle free surface Magnelis offers a certain aesthetics for application in:

- construction: profiles, structural material, cladding, cable trays, expanded metal, concrete moulds;
- public works & civil engineering: decks for car parks, sound insulation wall panels, walls providing protection against hail;
- agricultural & farming: barns, greenhouse structures;
- road & railway applications: safety & protection equipment.

### 1.4 RECOMMENDATIONS FOR USE

#### Storage

Magnelis is supplied passivated and/or oiled to temporarily limit any risk of white rust formation. During transport and storage, all necessary precautions must be taken to keep the material dry and to prevent the formation of condensation.

#### Forming and joining

The forming and joining techniques currently used for galvanised steel are also available for Magnelis. Magnelis behaves very well during profiling operations. The coating thickness must be compatible with both the desired degree of corrosion protection and the requirements of the forming and welding processes envisaged.

### 1.5 WELDABILITY

In electrical resistance welding, the welding current must be suitably regulated and regularly adjusted. Electrode life can be extended by regularly stepping up the welding current and periodically dressing (machining) the electrodes.



## Coatings: Epoxy Coating

The powder coating makes the cable trays superiorly permanent and resistant to oxidation. The cable tray after powder coating is absolutely secured from rust and other rough corrosive factors, which leave the products with the best of finishes. The most effective type of coating is definitely epoxy.

**Characteristic:** The process of epoxy powder coating involves spraying the dry, electrostatically charged powder onto the electrically grounded object. The powder particles are attracted to the metal and stick evenly to every exposed part of the object. The powder is cured by baking it onto the object, forming a skin over the surface of the metal.

**Benefits:** provides a high corrosion protection; save maintenance time, excellent adhesion.

**Colour:** Epoxy Coating are available in a variety of colours (according to classical RAL system).

**Thickness:** The epoxy coatings is applied to mild steel, which average thickness of 70-80 microns.

## 4. CORROSION

All metal surfaces corrode. Chemical or electromechanical corrosion occurs depending on the exposed atmosphere and physical characteristics of metal.

### Atmospheric Corrosion

Atmospheric corrosion occurs when metal exposes to liquid, solid and gas. Reasons of atmospheric corrosion are humidity, salt, dirt and sulfuric acid. This type of corrosion occurs in worse outdoor and in marine environments.

### Chemical Corrosion

Chemical corrosion occurs when metal direct contacts with corrosive solutions. Factors that affects the severity of chemical corrosion are level of chemical concentration, duration of contact, frequency of washing and operating temperature.

### Storage Corrosion

Wet storage stain (white rust) is caused by moisture between the surfaced of closely packed and worse ventilated materials for an extended period of time. White rust is superficial and doesn't affect characteristic of the material.

Light straining disappears with weathering. If material is wet, it should not be packed, waited to be dry. Dry products should be stored in well ventilated and less moisture environments. Outdoor storage is undesirable.

### Galvanic Corrosion

Corrosion of different type of metals or alloys that are in contact with each other in the same environment. To avoid galvanic corrosion there should be isolation between metals and corrosion inhibitor material should be added in the environment.

*Corrosion of coated and uncoated steel are shown in the table below.*

Atmosphere type	Corrosion of Zinc coating (μ/year)	Corrosion of unprotected steel (μ/year)
Rural environment	1,0-3,4	6-60
Marine environment	2,4-15	20-170
Urban environment	1,0-6,0	30-70
Industrial environment	3,8-19,0	30-160
Tropical environment	1,0-9,7	1-70

Life time under atmospheric environment conditions in accordance with ISO 9223:1992 of hot dip galvanized steel in accordance with ISO 1461 is indicated below table.

Corrosion rate of hot dip galvanized steel (r)						
Corrosion Class	Corrosion	Units	Zinc	55 μm 1.5 ≤ Steel <3mm	70 μm 3.0 ≤ Steel <6.0mm	85 μm Steel ≥ 6.0mm
C1	Very Low	μm/a	$r \leq 0.1$	> 100 year	> 100 year	> 100 year
C2	Low	μm/a	$0.1 < r \leq 0.7$	≤ 78.5 year	> 100 year	> 100 year
C3	Medium	μm/a	$0.7 < r \leq 2.1$	>26 year, ≤ 78.5 year	>33 year, ≤ 100 year	>40 year, < 100 year
C4	High	μm/a	$2.1 < r \leq 4.2$	>13 year, ≤ 26 year	>16 year, ≤ 33 year	>20 year, ≤ 40 year
C5	Very High	μm/a	$4.2 < r \leq 8.4$	>6.5 year, ≤ 13 year	>8.3 year, ≤ 16 year	>10 year, ≤ 20 year



## CLASSIFICATION FOR RESISTANCE AGAINST CORROSION

Kıraç Metal Cable Tray cable trays are made of steel with metallic finishes or stainless steel  
(Resistance to corrosion is classified according to Table 1 and follow the relevant specification in Table 2)

**Table 1 - Classification For Resistance Against Corrosion**

Class	Reference material and finish
<b>1</b>	(a) None
<b>2</b>	Electroplated to a minimum thickness of 5 µm
<b>3</b>	Electroplated to a minimum thickness of 12 µm
<b>4</b>	Pre - galvanised to grade 275 to EN 10327 and EN 10326
<b>5</b>	Pre - galvanised to grade 350 to EN 10327 and EN 10326
<b>6</b>	Post - galvanised to a zinc mean coating thickness (minimum) of 45 µm according to ISO 1461 for zinc thickness only
<b>7</b>	Post - galvanised to a zinc mean coating thickness (minimum) of 55 µm according to ISO 1461 for zinc thickness only
<b>8</b>	Post - galvanised to a zinc mean coating thickness (minimum) of 70 µm according to ISO 1461 for zinc thickness only
<b>9</b>	Post - galvanised to a zinc mean coating thickness (minimum) of 85 µm according to ISO 1461 for zinc thickness only
<b>9A</b>	Stainless steel manufactured to ASTM: A 240/A 240M - 95a designation S30400 or EN 10088 grade 1 - 4301 without a post treatment (b)
<b>9B</b>	Stainless steel manufactured to ASTM: A 240/A 240M - 95a designation S31603 or EN 10088 grade 1 - 4404 without a post treatment (b)
<b>9C</b>	Stainless steel manufactured to ASTM: A 240/A 240M - 95a designation S30400 or EN 10088 grade 1 - 4301 with a post treatment (b)
<b>9D</b>	Stainless steel manufactured to ASTM: A 240/A 240M - 95a designation S31603 or EN 10088 grade 1 - 4404 with a post treatment (b)

(a) For materials which have no declared corrosion resistance classification

(b) The post-treatment process is used to improve the protection against crevice crack corrosion and the contamination by other steels

**Table 2 - Zinc Coating Thickness Of Reference Materials**

Class	Minimum Thickness µm	Minimum Coating As Given in EN 10327 or EN 10326 µm	Mean Coating Thickness(minimum) To ISO 1461 µm
<b>0*</b>	-	-	-
<b>1</b>	<b>5</b>	-	-
<b>2</b>	<b>12</b>	-	-
<b>3</b>	-	<b>15</b>	-
<b>4</b>	-	<b>19</b>	-
<b>5</b>	-	-	<b>45</b>
<b>6</b>	-	-	<b>55</b>
<b>7</b>	-	-	<b>70</b>
<b>8</b>	-	-	<b>85</b>

\* As declared by the manufacturer.

## 5. STRENGTH

### Support Span

Strength of a cable tray system is largely determined by the strength of its side rails. The strength of a side rail is proportionate to the distance between the supports on which it is installed, commonly referred to as 'support span'. Therefore strength of a cable tray system can be altered by changing support span. Strength of the system can be increased by reducing the support span. At a certain point the strength of the bottom portion of the cable tray could become determining factor of the strength. Once the load requirement of a cable tray system has been established, the following factors should be considered.

1. Sometimes the location of existing structural beams will dictate the cable tray support span. This is typical with outdoor installations where adding intermediate supports could be financially prohibitive. For this situation the appropriate cable tray must be selected to accommodate existing span
2. When cable tray supports are randomly located the added cost of a higher strength cable tray system should be compared with the cost of additional supports. Typically adding support is more costly than installing a stronger series of cable tray. Future cable additions or the capability of supporting equipment also favor stronger cable tray system. In summary, upgrading to a stronger cable series is typically more cost-effective than using the recommended additional supports for a lighter duty cable tray series.
3. The support span length should be equal or less than uncoupled straight section lengths to ensure that no more than one splice is placed between the supports.

## DEFLECTION

Deflection in a cable tray system is primarily an aesthetic consideration. When a cable tray system is installed in a prominent location, a max simple beam deflection 1/200 of support span can be used as a guideline to minimize visual deflection.

The following factors should be considered when addressing cable tray deflection.

- Cost evaluation must be considered when addressing cable deflection criteria.
- Deflection in a cable tray system can be reduced by decreasing the support span, or by using a taller (side rail height) or stronger cable tray.
- The location of splices in a continuous span will affect the deflection of the cable tray system. The splices should be located at points of minimum stress.
- Deflection of the cable tray affects the appearance of an installation, but it is not a structural issue. In the case of non-metallic cable tray, deflection may be affected by elevated temperatures.
- The load test is a simple beam, uniformly distributed load test.

**WARNING:** Uncoupled straight sections should be used on all simple spans and on end spans of continuous span runs. Straight section lengths should be equal to or greater than the span length to ensure not more than one splice between supports.

## Separator Requirement

Separators are used to separate cable systems such as when cables above or below 600 volt installed in the same cable tray. However when MC type cables are installed in the same cable tray with cables rated 600 volt or less, no separator is required. Separators should be made of the same material as the cable tray. When ordering separator the height must match the loading depth of the cable tray into which it is being installed.

## Future Expansion Requirement

In the future many cables can be added on the existing cable tray system. When selecting a cable tray, future expansion requirement should be considered and allowance should be made for additional fill area and load capacity. A min of %50 expansion allowance is recommended.

## ELECTROMAGNETIC COMPATIBILITY (EMC)

Electromagnetic compatibility : Capacity of an appliance or a system to work correctly in its electromagnetic environment without producing electromagnetic pollution.

### Earthing:

Earth : earth ground, OV potential reference. Earth plug: Conductor in direct contact with earth. Earthing; and grounding must be separated:

- Earth network is connected to ensure the people protection.
- Grounding is active against electromagnetic influence.

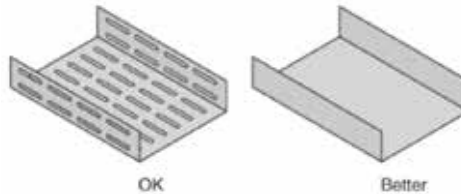
On site, these 2 networks are connected. This multiple link solves the problem of high impedance of the HF (high frequency) earth conductor.

## EMC Implementation

Selection of materials and their shape depends on the following criteria:

- Severity of the EM environment along cableways (proximity of sources of conducted or radiated EM disturbances)
- Authorised level of conducted and radiated emissions
- Type of cables
- Other environmental constraints (chemical, mechanical, climatic, fire, etc.)

For metal cableways, it is the shape (flat, U-shape, tube, etc.) rather than the cross-sectional area that determines the characteristic impedance. Closed shapes are better than open shapes because they reduce common-mode coupling. Cableways often have slots for cable straps. The smaller the better. The types of slots causing the fewest problems are those cut parallel and at some distance from the cables. Slots cut perpendicular to the cables are not recommended (see Fig.1).

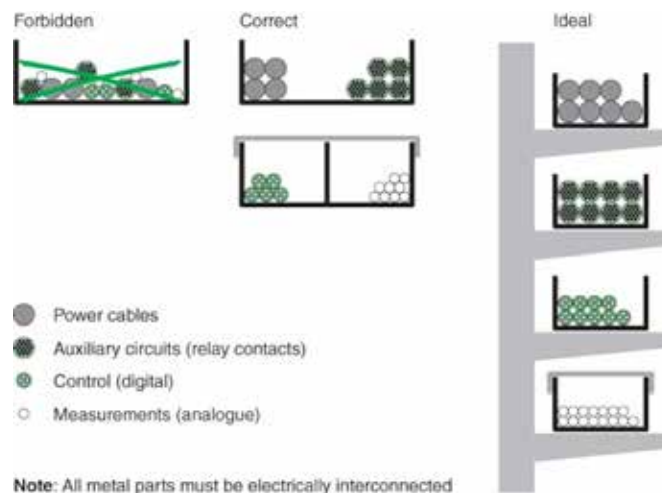


**Fig.1:** CEM performance of various types of metal cableways

Different types of cables (power and low-level connections) should not be installed in the same bundle or in the same cableway. Cableways should never be filled to more than half capacity.

It is recommended to electromagnetically separate groups from one another, either using shielding or by installing the cables in different cableways. The quality of the shielding determines the distance between groups. If there is no shielding, sufficient distances must be maintained (see Fig.2).

The distance between power and control cables must be at least 5 times the radius of the larger power cable.



**Fig.2:** Recommendation to install groups of cables in metal cableways

Metal building components can be used for EMC purposes. Steel beams (L, H, U or T shaped) often form an uninterrupted earthed structure with large transversal sections and surfaces with numerous intermediate earthing connections. Cables should if possible be run along such beams. Inside corners are better than the outside surfaces (see Fig.3). Fig.4: Recommendation to install cables in steel beams



**Fig.4:** Recommendation to install cables in steel beams

Both ends of metal cableways must always be connected to local earth electrodes. For very long cableways, additional connections to the earthing system are recommended between connected devices. Where possible, the distance between these earthing connections should be irregular (for symmetrical wiring systems) to avoid resonance at identical frequencies. All connections to the earthing system should be short.

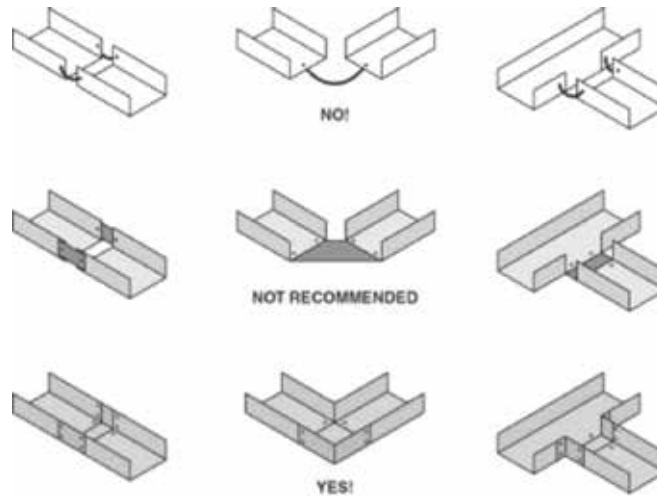
Metal and non-metal cableways are available. Metal solutions offer better EMC characteristics. A cableway (cable trays, conduits, cable brackets, etc.) must offer a continuous, conducting metal structure from beginning to end. When devices connected to the wiring system using unshielded cables are not affected by low-frequency disturbances, the EMC of non-metal cableways can be improved by adding a parallel earthing conductor (PEC) inside the cableway. Both ends must be connected to the local earthing system. Connections should be made to a metal part with low impedance (e.g. a large metal panel of the device case). The PEC should be designed to handle high fault and common-mode currents.

## ELECTRICAL CONTINUITY

When a metal cableway is made up of a number of short sections, care is required to ensure continuity by correctly bonding the different parts. The parts should preferably be welded along all edges. Riveted, bolted or screwed connections are authorised as long as the contact surfaces conduct current (no paint or insulating coatings) and are protected against corrosion. Tightening torques must be observed to ensure correct pressure for the electrical contact between two parts.

When a particular shape of cableway is selected, it should be used for the entire length. All interconnections must have a low impedance. A single wire connection between two parts of the cableway produces a high local impedance that cancels its EMC performance.

Starting at a few MHz, a ten-centimetre connection between two parts of the cableway reduces the attenuation factor by more than a factor of ten (see Fig.5).

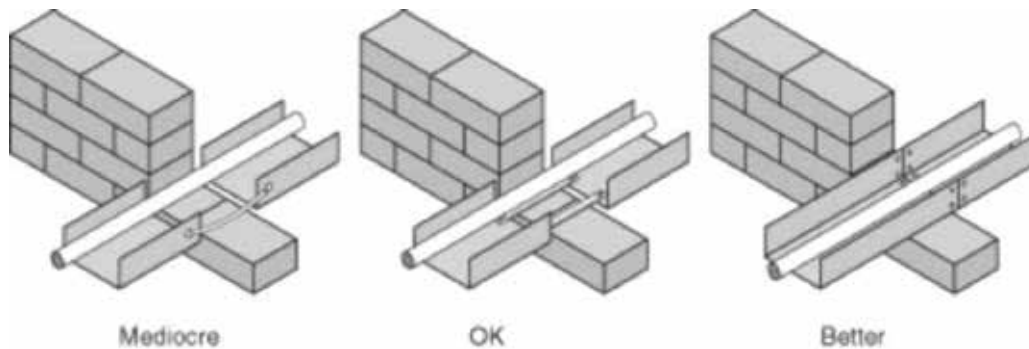


**Fig.5:** Metal cableways assembly

Each time modifications or extensions are made, it is very important to make sure they are carried out according to EMC rules (e.g. never replace a metal cableway by a plastic version).

Covers for metal cableways must meet the same requirements as those applying to the cableways themselves. A cover should have a large number of contacts along the entire length. If that is not possible, it must be connected to the cableway at least at the two ends using short connections (e.g. braided or meshed connections).

When cableways must be interrupted to pass through a wall (e.g. firewalls), low-impedance connections must be used between the two parts (see Fig.6).



**Fig.6:** Recommendation for metal cableways assembly to pass through a wall

#### SUGGESTIONS FOR USING OF KIRAC METAL CABLE TRAYS

- When selecting cable tray series, specifications, quantities and type of installed cables and loading capacity should be considered well. Cable trays are produced in categories as heavy duty and cable ladder for different application.
- Support systems are designed to allow installation on the wall or from the ceiling with profiles, threaded rods, brackets or chains. Support span changes according to type of installation, type of cable trays and load to be applied. Support span length should not exceed the length of the cable tray.
- Using M6x15 round head bolt is recommended depends on design of cable tray.
- Cable tray covers can be used when it is necessary. And same covers may be applied for cable trays and cable ladders. Cover clips can be used to fix covers to the cable tray.
- Recommended quantity of c type cover clips depends on the product.

For 3000 mm Cable Tray - 6 pcs.

For Horizontal 90° Elbow - 3 pcs.

For Inside/Outside Riser - 4 pcs.

For Tee Bend - 3 pcs.

For Crossover - 4 pcs.

**Notes:** Quantity of cover clips may change depends on the type of clips.

- For support system it is recommended to use M8 steel dowel up to 300mm tray supports and M10 steel dowel for over 300mm supports.

## A

Adjustable Connector	55
Angle Fitting	126

## B

Base Plate	128
Beam Clamp	134
Bracket	114,121

## C

Cable Ladder	52,53,54,55,56,64,72
Cable Ladder Coupler	81
Cable Ladder Crossover	60,68,76
Cable Ladder End Cap	59,67,75
Cable Ladder External Riser	62,70,78
Cable Ladder Internal Riser	61,69,77
Cable Ladder Horizontal Bend 45°	58,66,74
Cable Ladder Horizontal Bend 90°	57,65,73
Cable Ladder Reducer	63,71,79
Cable Ladder Tee Bend	59,67,75
Cable Tray	14,15,16,17,18,19,20,21,22,30,38
Cable Tray Adjustable Coupler	48
Cable Tray Coupler	47,48
Cable Tray Cover Clips	49
Cable Tray Crossover	26,34,44
Cable Tray End Cap	46
Cable Tray External Riser	28,36,44
Cable Tray Internal Riser	27,35,43
Cable Tray Horizontal Bend 45°	24,32,40
Cable Tray Horizontal Bend 90°	23,31,39
Cable Tray Reducer	29,37,45
Cable Tray Tee Bend	25,33,41
Cable Tray Separator	48
Cantilever Arm	114,121
Cantilever Bracket	114
Ceiling Rack	110,112
Channel	124
Ceiling L Support System	110
Ceiling U Support System	112
Connection Part	91
Coupler	47,48
Cover for Cable Tray	22,30,38

Cover for Cable Ladder	56,64,72
Cover for Crossover	26,34,42,60,68,76
Cover for External Riser	28,36,44,62,70,78
Cover for Internal Riser	27,35,43,61,69,77
Cover for Horizontal Bend 45°	24,32,40,58,66,74
Cover for Horizontal Bend 90°	23,31,39,57,65,73
Cover for Tee Bend	25,33,41,59,67,75
Cover for Reducer	29,37,44,63,71,79
Cover Clips	49,81
Crossover	26,34,42,60,68,76

## D

Double Channel	124
Double Channel Base Plate	128
Double U Head Plate	115
Drop In Anchor	133

## E

Earth Continuity Connector	114
End Cap	46,80,98
External Riser 45°	97
External Riser 90°	28,36,44,62,70,78,97

## F

Fastening Bracket	120
Fish Plate	47
Flanged Nut	132
Flat Fittings	125

## H

Hanger	112
Head Plate	108,109,115,117
Heavy Duty Return Flange Cable Tray	22,30,38
Heavy Duty Cantilever Arm	118,119
Heavy Duty Head Plate	119
Head Duty Profile	118,119
Head Round Bolt	132
Hexagonal Nut	132
Hold Down Bracket	114
Horizontal Bend 45°	24,32,40,58,66,74
Horizontal Bend 90°	23,31,41,59,67,75,93

# I

Internal Riser 45°	96
Internal Riser 90°	27,35,43,61,69,77,96
I80 Support System	118,119,121

# J

Junction Box	104
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# L

L Ceiling Rack	108,109
L Profile	108,109
L Head Plate	108,109

# M

Middle Reducer	101
Mounting Angles	118,121

# P

Profile I80	118,119,121
Profile L	118,119
Profile U	110,111

# R

Reducer	29,37,45,63,71,79
Right-Left Reducer	101

# S

Separator	48,92,102
Single Base Plate	128
Sleeve Anchor	133
Slotted Channel	124
Socket Outlet Boxes	104,105
Splice Plate	125
Spring Nut	129,132
Standard Type Channel	124
Stand Off Bracket	113
S Type Drop in Anchor	133

# T

Trapeze Hanger	114
Threaded Rod	133
Threaded Rod Coupler	133
Trunking	84,85,86,87,88,89
Trunking Cover	89
Trunking Coupler	90,91,93
Trunking Crossover	95
Trunking End Cap	98
Trunking External Riser 90°	97
Trunking External Riser 135°	97
Trunking Internal Riser 90°	96
Trunking Internal Riser 135°	96
Trunking Horizontal Bend 90°	93
Trunking Reducer	99,100,101
Trunking Separator	92,102
Trunking Tee Bend	94
Trunking Tee Reducer	100
Trunking U Coupler	91
Trunking T Type Splice Plate	125

# U

U Ceiling Rack	110,111
U Coupler	91
U Head Plate	110,111
U Profile	110,111
Underfloor Trunking	102,103

# V

Vertical Tee Bend	94
Vertical Connection Box	95

# W

Wall Bracket	112,113
Wall Type Support	112,113



A photograph of a complex industrial facility, likely a power plant or refinery, featuring large, polished metal pipes and a dense network of cables. The scene is illuminated by warm, yellowish lights, creating a sense of depth and complexity. The cables are organized into neat bundles, demonstrating effective cable management. The perspective is from a low angle, looking down a long corridor formed by the pipes and cables.

***Total Cable Management Solutions***

**Welcome to Kırac Metal Customer Service.**



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*Office Working Hours:*

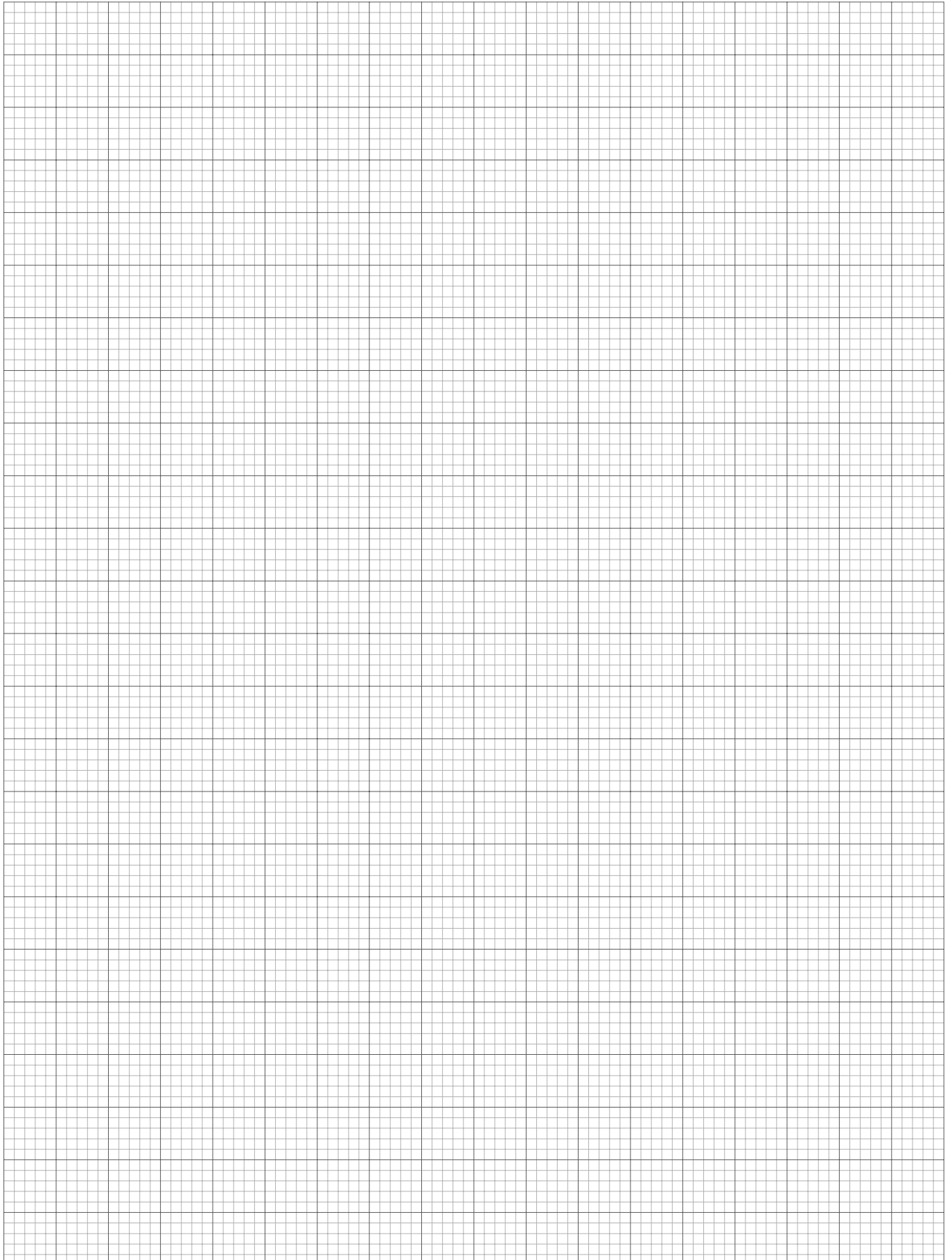
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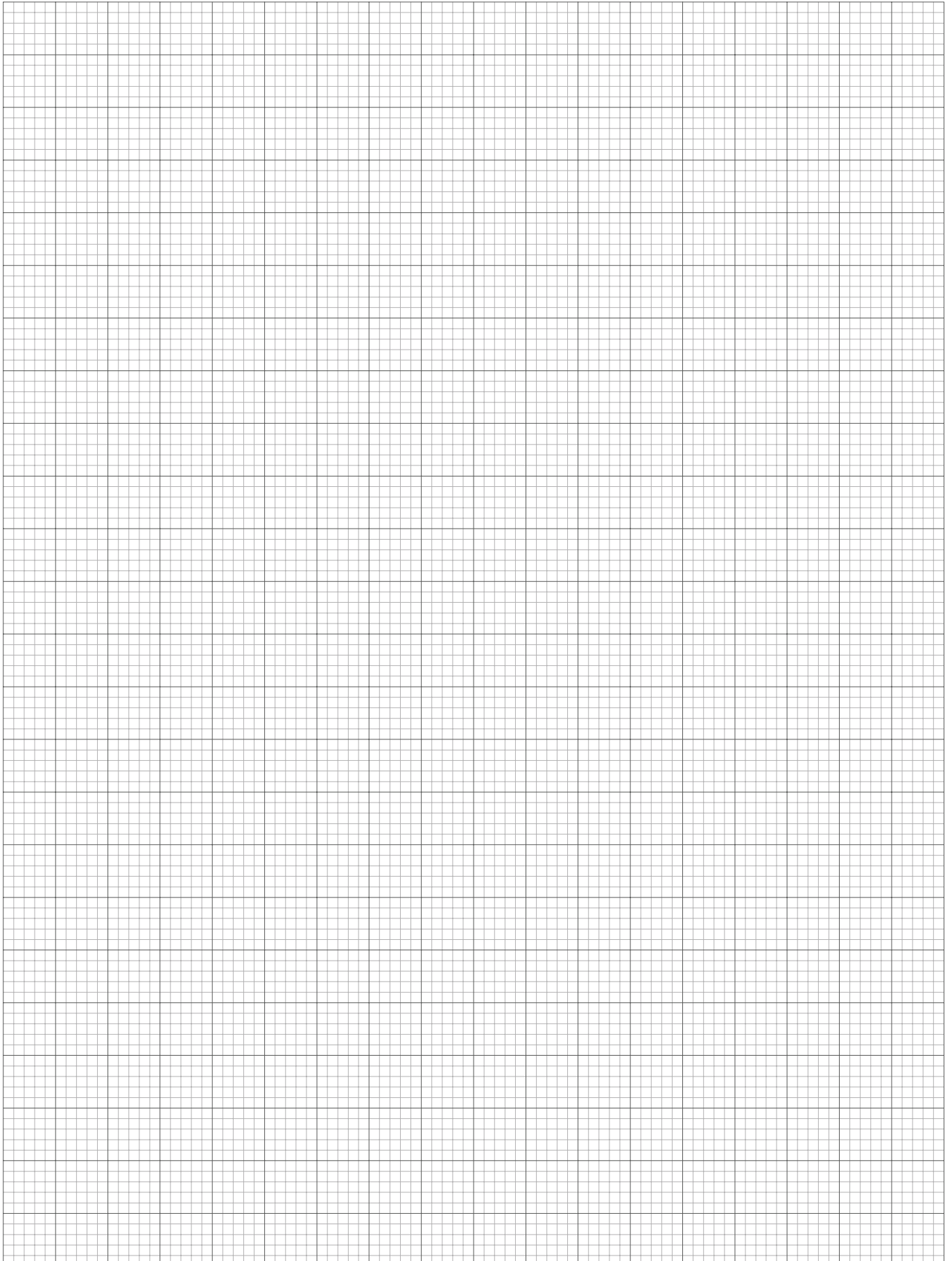
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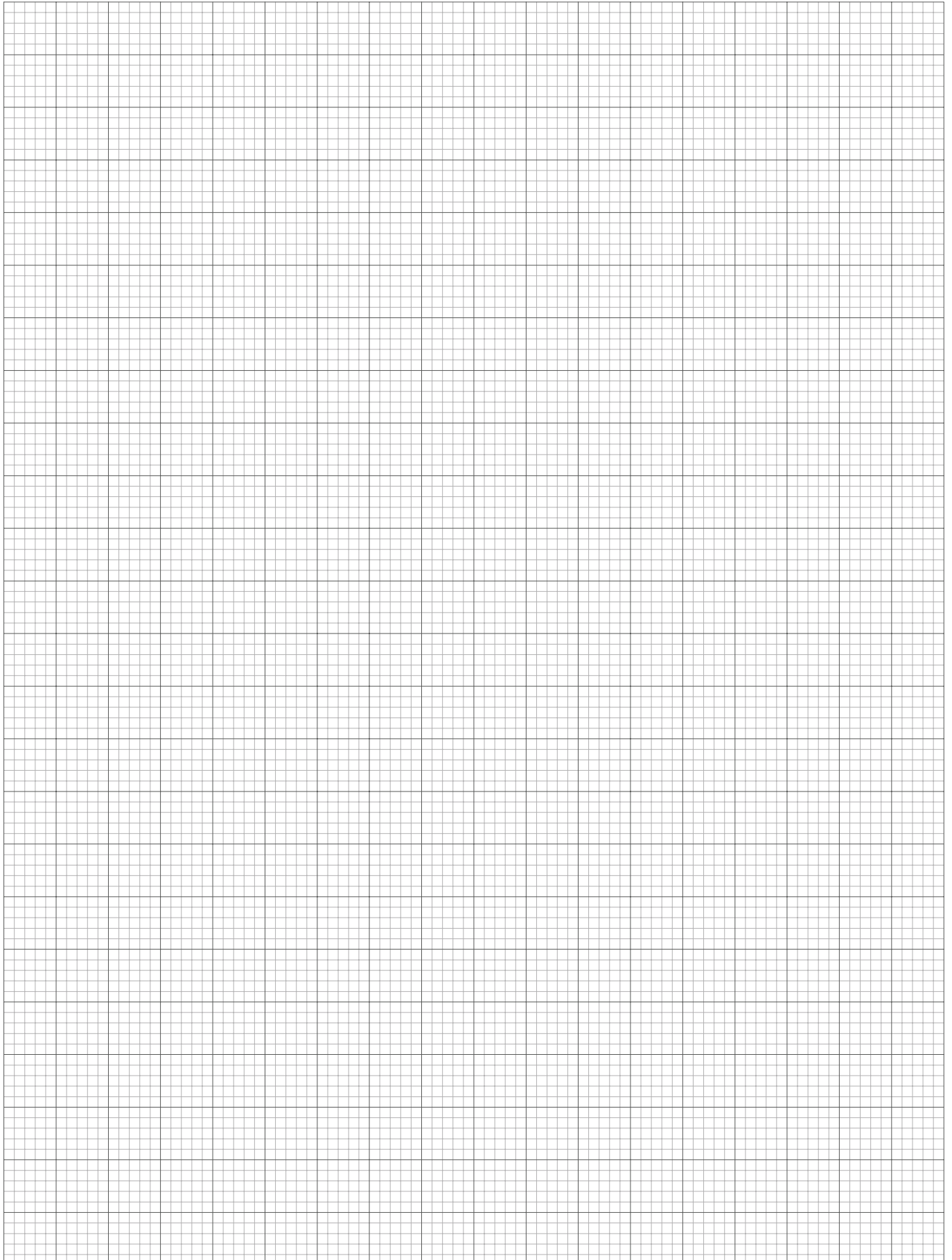
*To contact Kırac Metal Customer Service, please give us a call at +90 222 236 15 00.*

*Your calls and e-mails are very important to us.*









## Conversion Table Of Dimension



1 inch = 25.4 mm

1 mm = 0.039 inch

1 lbs= 0.453 kg

1 kg = 2.204 lbs

### Material Thickness

mm	0.6	0.7	0.8	0.9	1.0	1.5	2.0	2.5	3.0	4.0
inch	0.02	0.03	0.035	0.04	0.04	0.06	0.08	0.10	0.12	0.16

### Product Length

mm	30	40	50	70	75	80	85	90	100	120
inch	1.18	1.57	1.97	2.75	2.95	3.15	3.35	3.54	3.94	4.72
mm	130	150	200	250	300	350	400	450	500	550
inch	5.12	5.91	7.87	9.4	11.81	13.78	15.75	17.72	19.69	21.65
mm	130	150	200	250	300	350	400	450	500	550
inch	5.12	5.91	7.87	9.4	11.81	13.78	15.75	17.72	19.69	21.65
mm	600	700	750	800	900	1000	1100	1200	1300	1400
inch	23.62	27.56	29.25	31.50	35.43	39.73	43.31	47.24	51.18	55.12
mm	1500	1600	1800	1900	2000	2440	3000	3500	4500	6000
inch	59.06	62.99	70.87	74.80	78.74	95.15	118.11	136.5	177.7	236.22

### Product Width

mm	40	50	60	70	75	80	85	90	100	120
inch	1.57	1.97	3.36	2.75	2.95	3.15	3.35	3.54	3.94	4.72
mm	150	200	250	300	350	400	450	500	550	600
inch	5.91	7.87	9.4	11.81	13.78	15.75	17.72	19.69	21.65	23.62
mm	700	750	800	900	1000	1100	1200			
inch	27.56	29.25	31.50	35.43	39.73	43.31	47.24			

### Product Height

mm	10	15	20	25	30	40	50	60	70	75
inch	0.39	0.59	0.79	0.98	1.18	1.57	1.97	2.36	2.73	2.92
mm	80	85	90	100	120	125	150	200	250	300
inch	3.12	3.35	3.51	3.94	4.68	4.87	5.91	7.87	9.4	11.81





**Cable Management Solutions**  
Cable Trays, Cable Ladders, Trunkings  
Accessories, Support System, Channel System

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