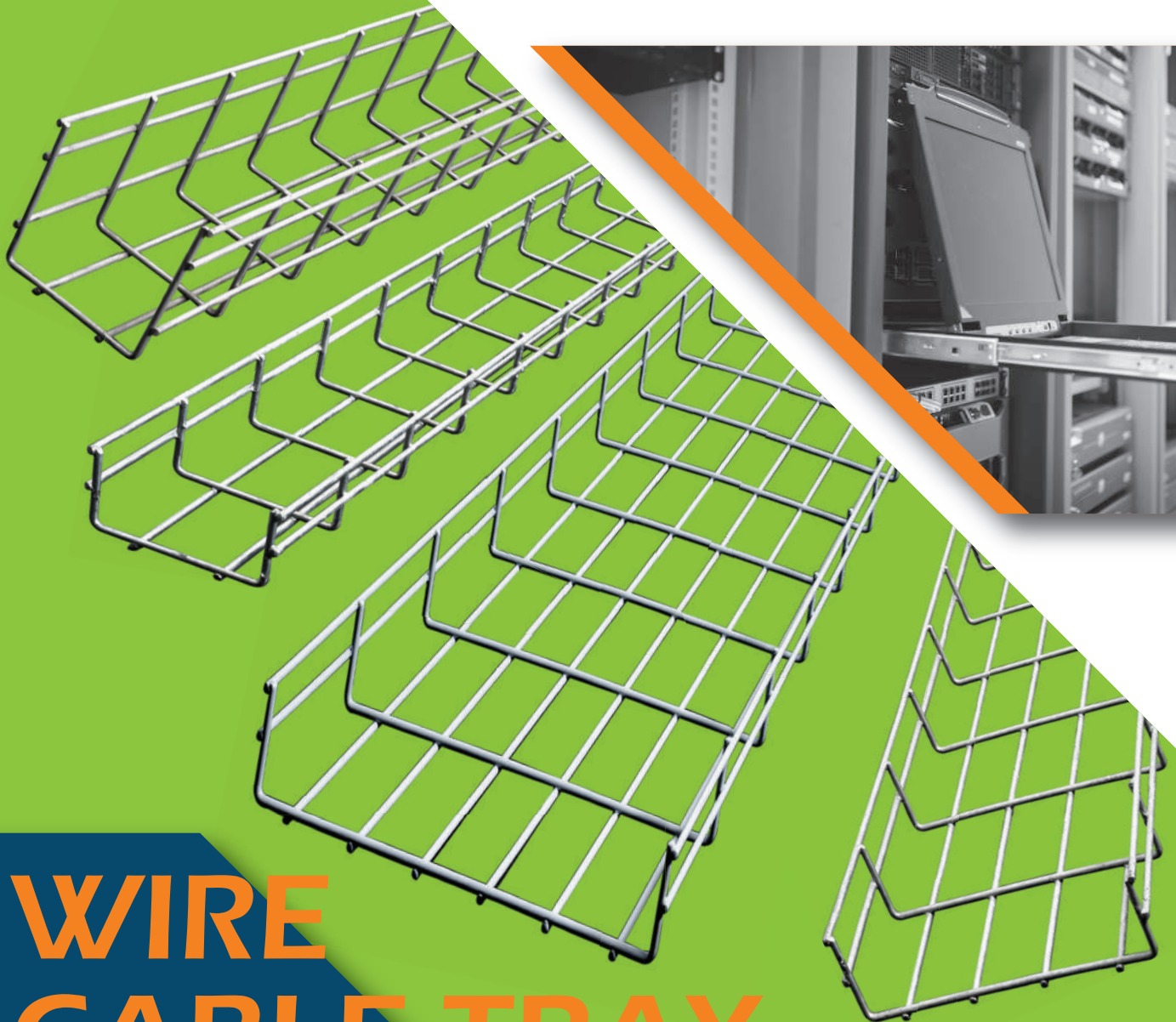


*U-LI*TM



WIRE CABLE TRAY

Wire Cable Tray provide a safe open solution for routing cables and wires. Its wire-frame composition allows air to circulate for proper cable ventilation to provide a track that allows cables and wires to be routed around a building in an easily maintainable manner.

Literature Disclaimer

The information contained in this brochure is accurate to the best of our knowledge. We provide this information in an advisory capacity only. Any recommendations contained in this literature must first be made to conform to acceptable local conditions and specifications. We reserve the right to amend any information published in this literature without prior notice. United U-LI cannot be held responsible or liable for inaccurate selection or application of our products.

FWB

FWB 25	Wire Cable Tray 25H	Pg 03
FWB 50	Wire Cable Tray 50H	Pg 03
FWB 75	Wire Cable Tray 75H	Pg 04
FWB 100	Wire Cable Tray 100H	Pg 04
FWB 150	Wire Cable Tray 150H	Pg 05

COVER

C	FWB Cover	Pg 06
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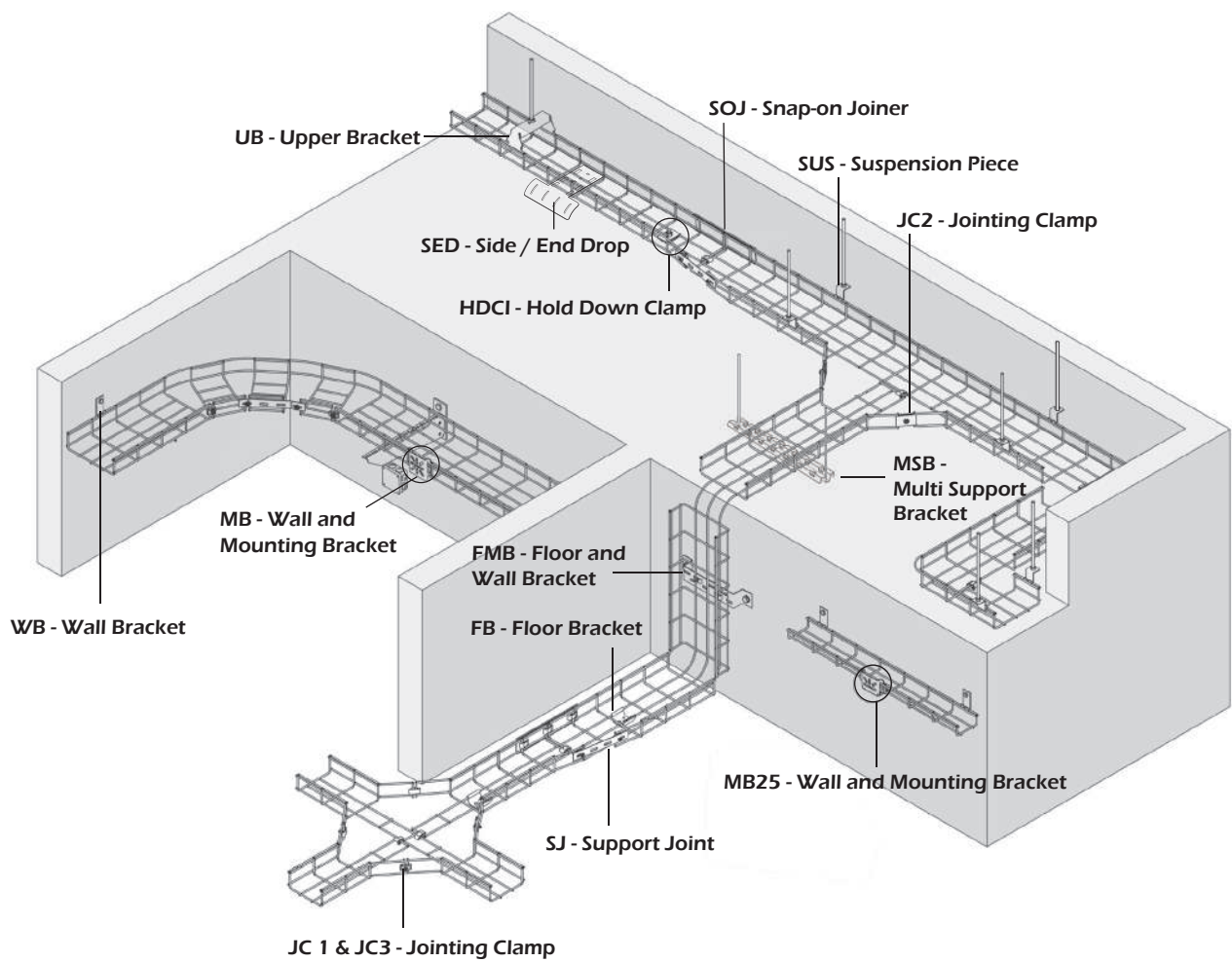
ACCESSORIES

CLFWB25	Captive Lid Clamp FWB 25	Pg 06
CLFWB	Captive Lid Clamp FWB 50, 60, 75	Pg 06
SUS	Suspension Piece for FWB	Pg 07
WB	Wall Bracket for FWB	Pg 07
MB	Wall and Mounting Bracket for FWB	Pg 07
MB 25	Wall and Mounting Bracket for FWB	Pg 07
FB	Floor Bracket for FWB	Pg 08
MSB-L	Multiple Support Bracket	Pg 08
MSB-S	Multiple Support Bracket	Pg 08
SJ	Support Joint for FWB	Pg 08
SIFWB	Snap-in Floor and Wall Bracket for FWB	Pg 09
UB	Upper Bracket	Pg 09
FMB	Floor and Wall Bracket	Pg 09
SIWB	Snap-in Wall Bracket for FWB	Pg 10
SLOS	Division Plate Free	Pg 10
SOJ	Snap-on Joiner for FWB	Pg 10
SED	Side / End Drop for FWB	Pg 11
JC 1	Joining Clamp for FWB	Pg 11
JC 2	Joining Clamp for FWB	Pg 11
JC 3	Joining Clamp for FWB	Pg 12
JC 4	Joining Clamp for FWB	Pg 12
DC 1	Clamp for FWB Divider	Pg 12
HDC 1	Hold Down Clamp for FWB	Pg 12

Technical Information

How To Cut The Wire	Pg 13
Joining Kit	Pg 13
Bend With Large Radius	Pg 14
Bend With Small Radius	Pg 15
Installation Guide for Tee & Cross	Pg 16
Installation Guide for Reducer	Pg 17
Level Differences	Pg 17

Wire Cable Tray & Accessories Typical Layout.



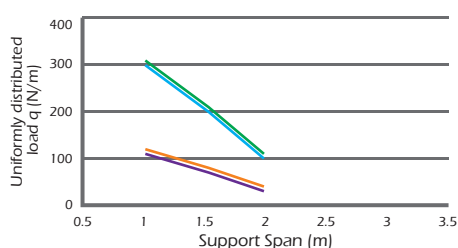
FWB 25

Screen : 50 x 100 mm
 Cross-wire : Ø 5.00 mm
 Alongside wire : Ø 5.00 mm

Length	3000 mm
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel

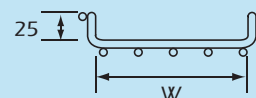
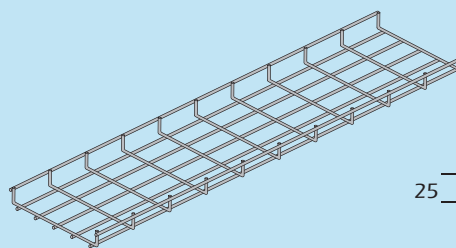


Load Chart: q = uniformly distributed load
 (tested according to DIN EN IEC 61537 standard)



* Load q (newton) = Kg/9.81

FWB25 - ST04 FWB25 - ST12
 FWB25 - ST06 FWB25 - ST16



Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg)	Unit
FWB25 - ST02	25	60	3000	1.92	Lth
FWB25 - ST04	25	100	3000	2.08	Lth
FWB25 - ST06	25	150	3000	2.65	Lth
FWB25 - ST08	25	200	3000	3.22	Lth
FWB25 - ST10	25	250	3000	3.78	Lth
FWB25 - ST12	25	300	3000	4.35	Lth
FWB25 - ST16	25	400	3000	5.49	Lth
FWB25 - ST20	25	500	3000	6.63	Lth
FWB25 - ST24	25	600	3000	7.77	Lth

Note: Other sizes, length, wire diameter and finishes are available upon request
 Wire rod diameter with tolerance $\pm 5\%$

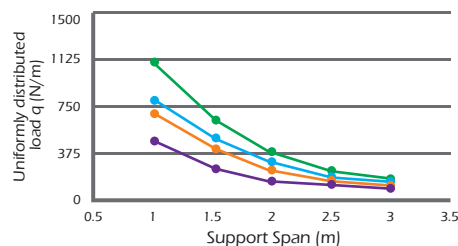
FWB 50

Screen : 50 x 100 mm
 Cross-wire : Ø 5.00 mm
 Alongside wire : Ø 5.00 mm

Length	3000 mm
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel

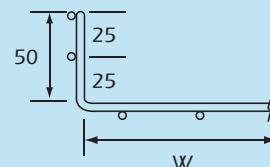
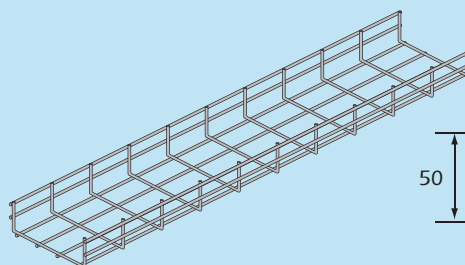


Load Chart: q = uniformly distributed load
 (tested according to DIN EN IEC 61537 standard)



* Load q (newton) = Kg/9.81

FWB50 - ST04 FWB50 - ST12
 FWB50 - ST06 FWB50 - ST16



Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg)	Unit
FWB50 - ST02	50	60	3000	2.87	Lth
FWB50 - ST04	50	100	3000	3.02	Lth
FWB50 - ST06	50	150	3000	3.59	Lth
FWB50 - ST08	50	200	3000	4.16	Lth
FWB50 - ST10	50	250	3000	4.73	Lth
FWB50 - ST12	50	300	3000	5.30	Lth
FWB50 - ST16	50	400	3000	6.44	Lth
FWB50 - ST20	50	500	3000	7.57	Lth
FWB50 - ST24	50	600	3000	8.71	Lth

Note: Other sizes, length, wire diameter and finishes are available upon request
 Wire rod diameter with tolerance $\pm 5\%$

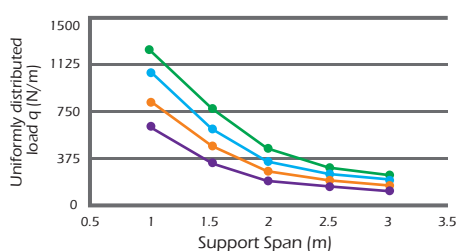
FWB 75

Screen : 50 x 100 mm
 Cross-wire : Ø 5.00 mm
 Alongside wire : Ø 5.00 mm

Length	3000 mm
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel

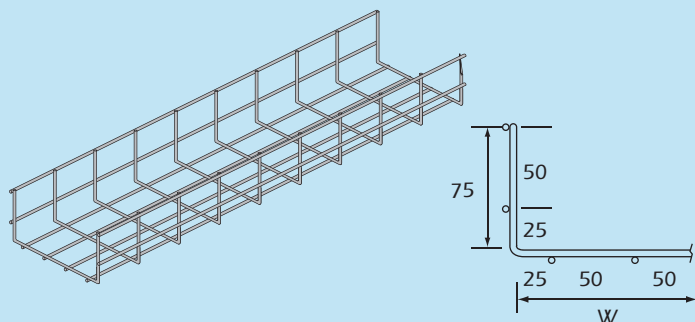


Load Chart: q = uniformly distributed load
 (tested according to DIN EN IEC 61537 standard)



* Load q (newton) = Kg/9.81

FWB75 - ST04 FWB75 - ST12
 FWB75 - ST06 FWB75 - ST16



Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg)	Unit
FWB75 - ST03	75	75	3000	3.12	Lth
FWB75 - ST04	75	100	3000	3.22	Lth
FWB75 - ST06	75	150	3000	3.78	Lth
FWB75 - ST08	75	200	3000	4.35	Lth
FWB75 - ST10	75	250	3000	4.92	Lth
FWB75 - ST12	75	300	3000	5.49	Lth
FWB75 - ST16	75	400	3000	6.63	Lth
FWB75 - ST20	75	500	3000	7.77	Lth
FWB75 - ST24	75	600	3000	8.91	Lth

Note: Other sizes, length, wire diameter and finishes are available upon request
 Wire rod diameter with tolerance $\pm 5\%$

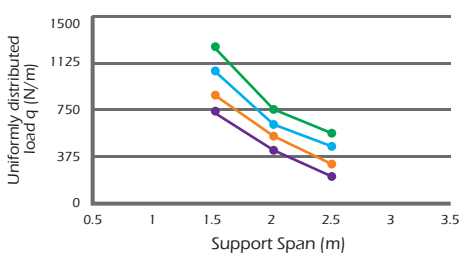
FWB 100

Screen : 50 x 100 mm
 Cross-wire : Ø 5.00 mm
 Alongside wire : Ø 5.00 mm

Length	3000 mm
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel

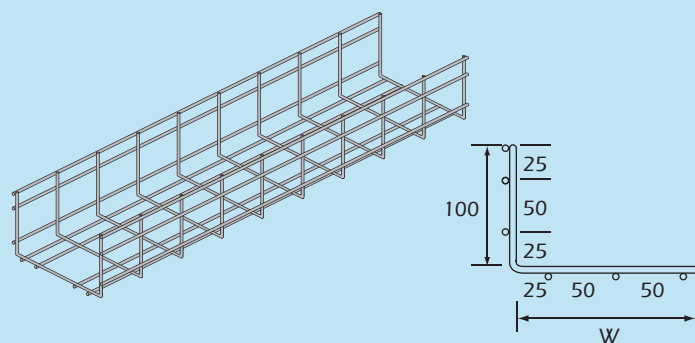


Load Chart: q = uniformly distributed load
 (tested according to DIN EN IEC 61537 standard)



* Load q (newton) = Kg/9.81

FWB100 - ST04 FWB100 - ST16
 FWB100 - ST08 FWB100 - ST24



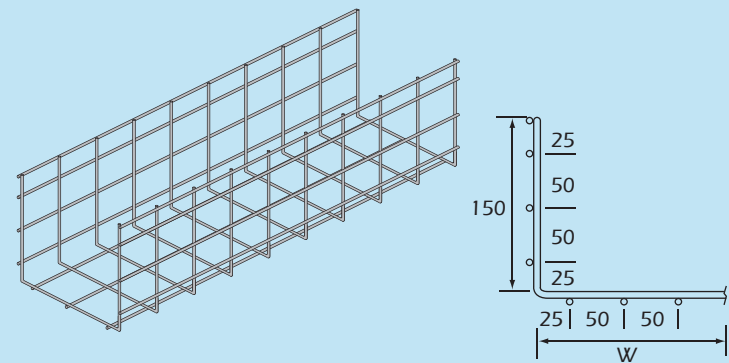
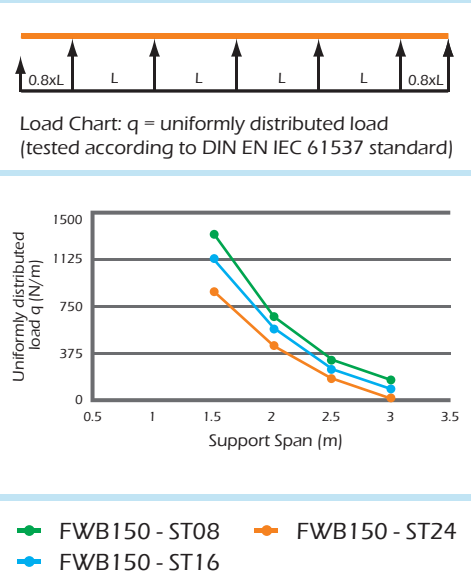
Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg)	Unit
FWB100 - ST04	100	100	3000	4.16	Lth
FWB100 - ST06	100	150	3000	4.72	Lth
FWB100 - ST08	100	200	3000	5.30	Lth
FWB100 - ST10	100	250	3000	5.87	Lth
FWB100 - ST12	100	300	3000	6.44	Lth
FWB100 - ST16	100	400	3000	7.57	Lth
FWB100 - ST20	100	500	3000	8.71	Lth
FWB100 - ST24	100	600	3000	9.85	Lth

Note: Other sizes, length, wire diameter and finishes are available upon request
 Wire rod diameter with tolerance $\pm 5\%$

FWB 150

Screen : 50 x 100 mm
 Cross-wire : Ø 5.00 mm
 Alongside wire : Ø 5.00 mm

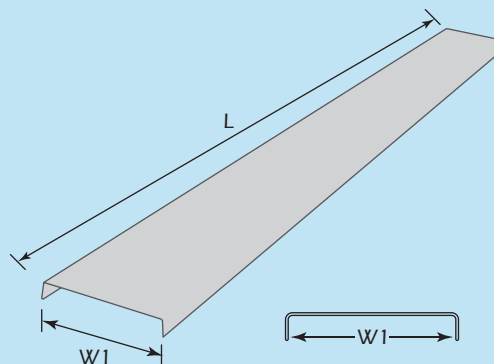
Length	3000 mm
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel



FWB Cover

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	FWB Width (W) (mm)	Internal width (W1) (mm)	Thickness (mm)	Length (L) (mm)	Theoretical Weight (kg)	Unit
C 050	50	70	1.2	3000	2.51	piece
C 075	75	95	1.2	3000	3.22	piece
C 100	100	120	1.2	3000	3.92	piece
C 150	150	170	1.2	3000	5.34	piece
C 200	200	220	1.2	3000	6.75	piece
C 250	250	270	1.2	3000	7.60	piece
C 300	300	320	1.2	3000	9.58	piece
C 400	400	420	1.5	3000	12.40	piece
C 500	500	520	1.5	3000	15.23	piece
C 600	600	620	1.5	3000	18.05	piece

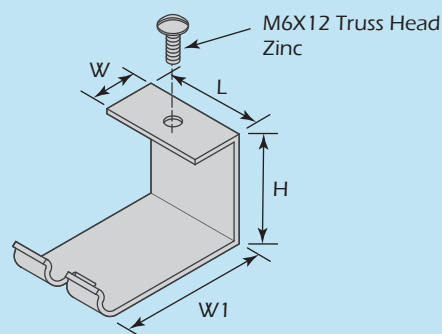
- Mainly used for horizontal and vertical sections.
- The cover height is 10mm.

CLFWB 25

Captive Lid Clamp FWB25

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



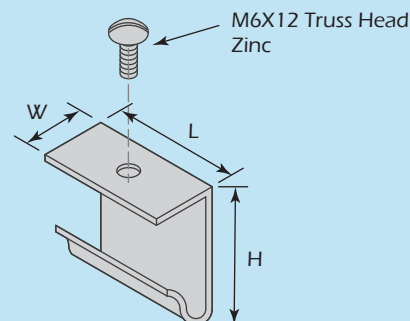
Reference	FWB (Height)	H (mm)	W (mm)	L (mm)	Thickness (mm)	Theoretical weight (kg)	Unit
CLFWB 25	25	27	22	40	1.5	0.035	set

CLFWB

Captive Lid Clamp FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



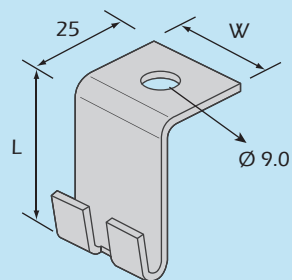
Reference	FWB (Height)	H (mm)	W (mm)	L (mm)	Thickness (mm)	Theoretical weight (kg)	Unit
CLFWB 50	50, 100, 150	38	22	40	1.5	0.042	set
CLFWB 60	60	48	22	40	1.5	0.048	set
CLFWB 75	75	63	22	40	1.5	0.056	set

SUS

Suspension Piece for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
SUS	35	50	2.0	0.04	piece

Threaded rod suspension sizes M6/M8.

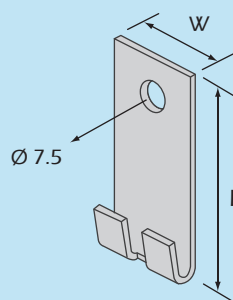
Threaded rod M6/M8 need to be ordered separately.

WB

Wall Bracket for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
WB	35	50	2.0	0.035	piece

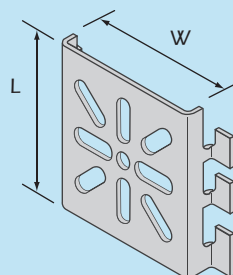
Up to width 200 mm.

MB

Wall and Mounting Bracket for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
MB	63	75	2.0	0.07	piece

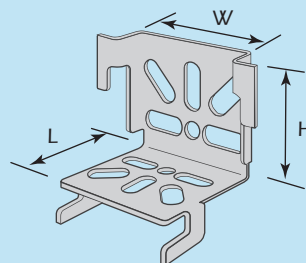
To be used with: FWB50, FWB75 and FWB100

MB 25

Wall and Mounting Bracket for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	W (mm)	H (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
MB 25	60	50	50	2.0	0.08	piece

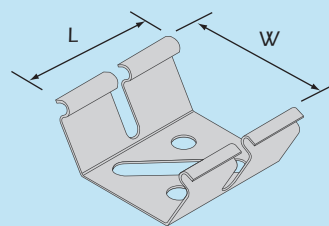
To be used with: FWB25

FB

Floor Bracket for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



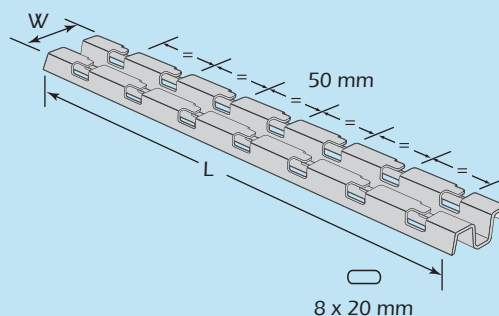
Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
FB	50	50	1.2	0.03	piece

MSB-L

Multiple Support Bracket for 100mm width and above

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



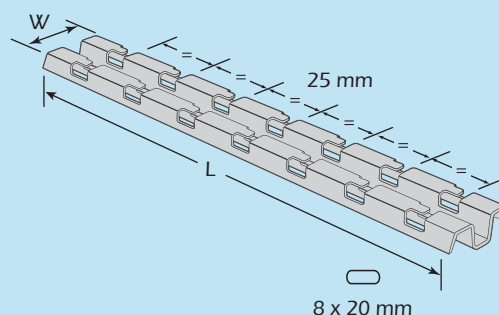
Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
MSB-L 1200	65	1200	1.5	1.18	Piece
MSB-L 600	65	600	1.5	0.61	Piece
MSB-L 450	65	450	1.5	0.40	Piece

MSB-S

Multiple Support Bracket for 60mm and 75mm width

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



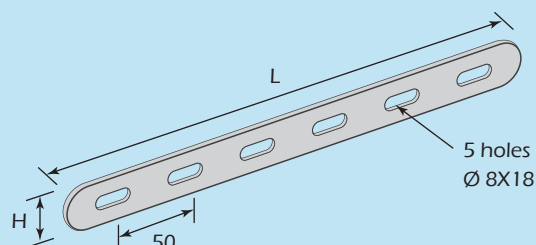
Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
MSB-S	65	300	1.5	1.60	Piece

SJ

Support Joint for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	H (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
SJ	25	250	2.0	0.08	piece

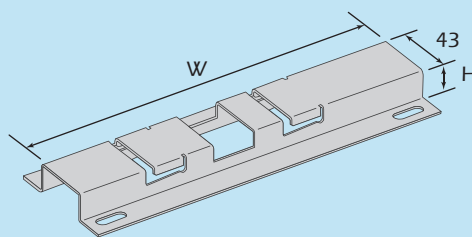
For maximum stability and safety.

SIFWB

Snap-in Floor and Wall Bracket for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	H (mm)	W (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
SIFWB 150	20	150	1.6	0.27	piece
SIFWB 200	20	200	1.6	0.27	piece
SIFWB 300	20	300	1.6	0.37	piece
SIFWB 400	20	400	1.6	0.48	piece
SIFWB 500	20	500	1.6	0.58	piece
SIFWB 600	20	600	1.6	0.68	piece

UB

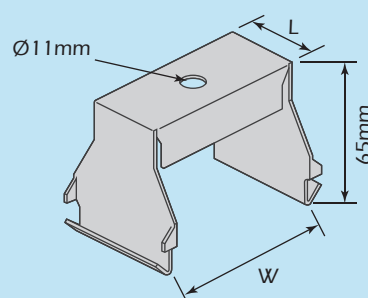
Upper Bracket

Max. load

0.8 kN

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
UB 050	50	50	2.0	0.23	piece
UB 075	75	50	2.0	0.25	piece
UB 100	100	50	2.0	0.28	piece
UB 150	150	50	2.0	0.34	piece
UB 200	200	50	2.0	0.39	piece
UB 250	250	50	2.0	0.44	piece
UB 300	300	50	2.0	0.96	piece
UB 400	400	50	2.0	1.06	piece

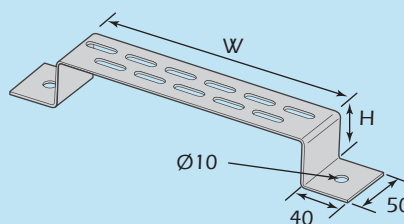
To be mounted on wire cable trays with partition.
To be mounted with threaded sizes M8 or M10.

FMB

Floor and Wall Bracket

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	Height (mm)	Width (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
FMB 100	40	100	2.00	0.15	piece
FMB 150	40	150	2.00	0.19	piece
FMB 200	40	200	2.00	0.21	piece
FMB 300	40	300	2.00	0.28	piece
FMB 400	40	400	2.00	0.34	piece
FMB 500	40	500	2.00	0.41	piece
FMB 600	40	600	2.00	0.49	piece

Suitable as floor, wall, and suspension bracket.

Suspension bracket and wall bracket : to be mounted with FC.

Wall bracket : to mount with JCI

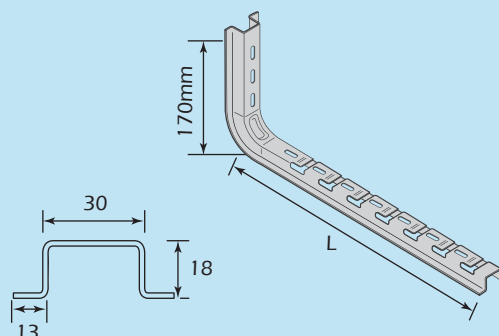
SIWB

Snap-in Wall Bracket for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel

Width	Max. load (in kN)	B+/-5mm
100	1.0	200
200	0.9	250
300	0.7	350
400	0.5	450
500	0.4	550



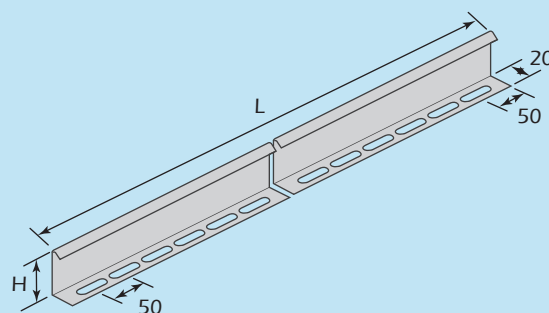
Reference	H (mm)	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
SIWB 170 x 100	170	100	150	1.5	0.27	piece
SIWB 170 x 200	170	200	250	1.5	0.31	piece
SIWB 170 x 300	170	300	350	1.5	0.38	piece
SIWB 170 x 400	170	400	450	1.5	0.55	piece
SIWB 170 x 500	170	500	500	1.5	0.67	piece

SLOS

Division Plate Free

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
SLOS 25	20	3000	1.2	0.95	piece
SLOS 50	45	3000	1.2	1.18	piece
SLOS 75	70	3000	1.2	1.65	piece
SLOS 100	95	3000	1.2	2.12	piece

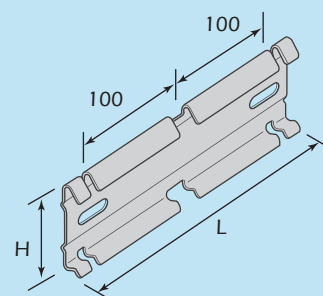
Note: All sizes of SLOS will completed with 6 sets of DC1)

SOJ

Snap-on Joiner for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



Reference	WB sizes	H (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
SOJ 25	FMB50, 100, 150	25	250	1.2	0.11	piece
SOJ 35	FMB60	35	250	1.2	0.15	piece
SOJ 50	FMB75	50	250	1.2	0.25	piece

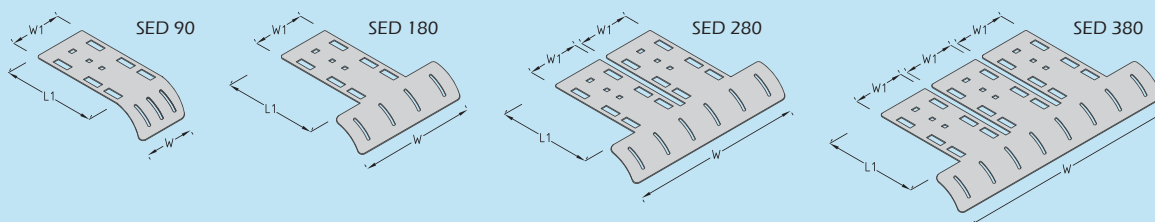
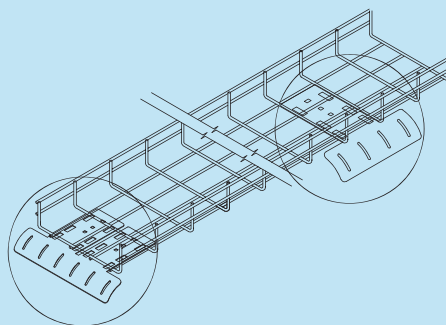
Fastened with JC1 and nuts.

SED

FWB Side / End Drop

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



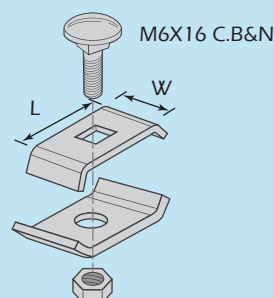
Reference	W (mm)	L1 (mm)	W1 (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
SED 90	90	160	90	1.6	0.19	piece
SED 180	180	160	90	1.6	0.35	piece
SED 280	280	160	90	1.6	0.62	piece
SED 380	380	160	90	1.6	0.84	piece

JC 1

Jointing Clamp for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



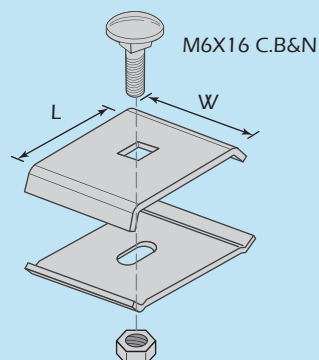
Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
JC 1	16	18	2.0	0.011	piece

JC 2

Jointing Clamp for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



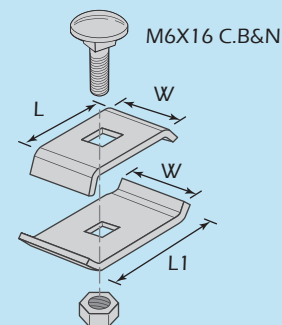
Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
JC 2	40	65	2.0	0.078	piece

JC 3

Jointing Clamp for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



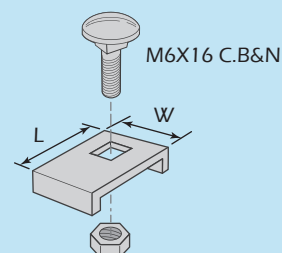
Reference	W (mm)	L (mm)	L1 (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
JC 3	18	20	30	2.0	0.015	sets

JC 4

Clamp for FWB (side)

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



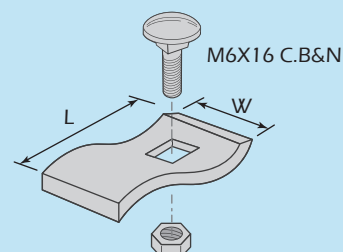
Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
JC 4	16	20	2.0	0.006	sets

DC 1

Clamp for FWB Divider (SLOS)

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel



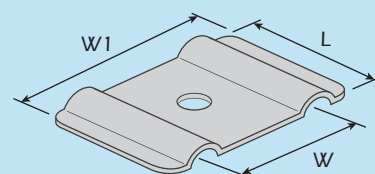
Reference	W (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
DC 1	16	32	2.0	0.006	sets

HDC 1

Hold Down Clamp for FWB

Standard finishes

Electro zinc-plated
Hot-dip galvanised
Polyester powder coating
Stainless Steel

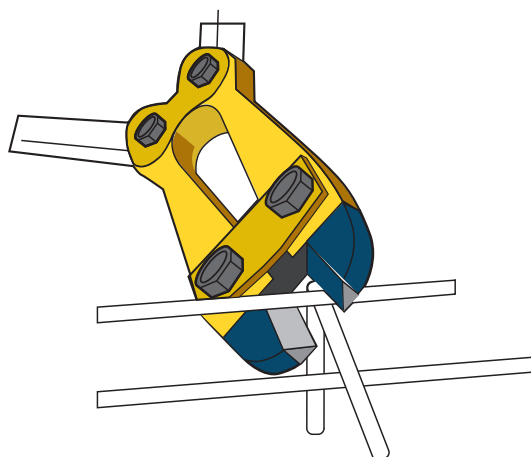


Reference	W (mm)	W1 (mm)	L (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
HDC 1	50	60	30	2.0	0.027	piece

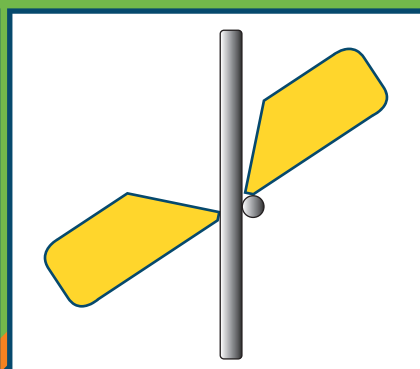
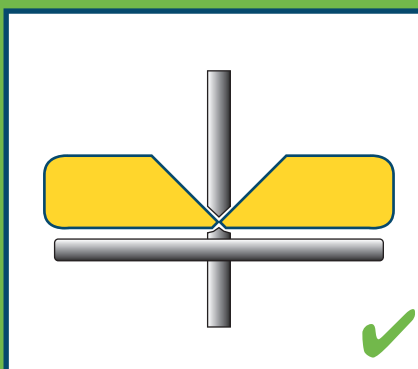
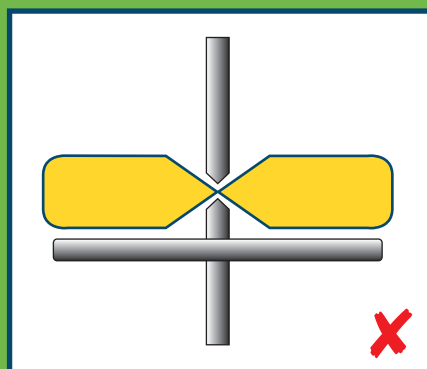
Technical Information

How To Cut The Wire

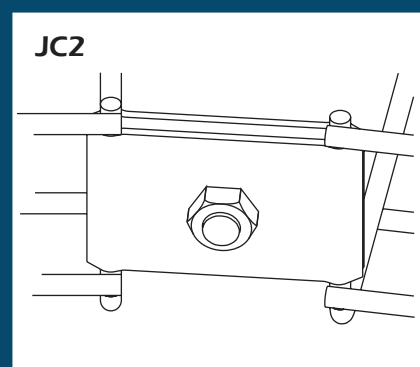
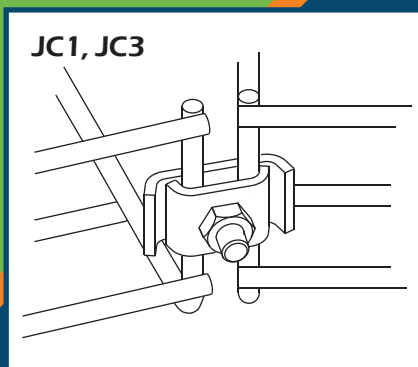
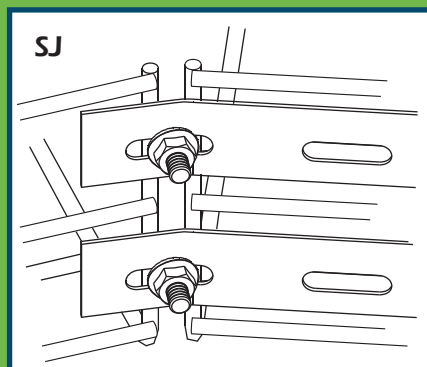
The Wire Cable Tray shape can be changed to meet your requirements. A professional set of cutting pliers with offset cut (as shown in drawing here below). Is recommended for cutting of the wire mesh. In order to prevent cable damage by sharp edges, the cutting at the wire is preferably done as close as possible to the crossing wire.



Position of the clamping jaws



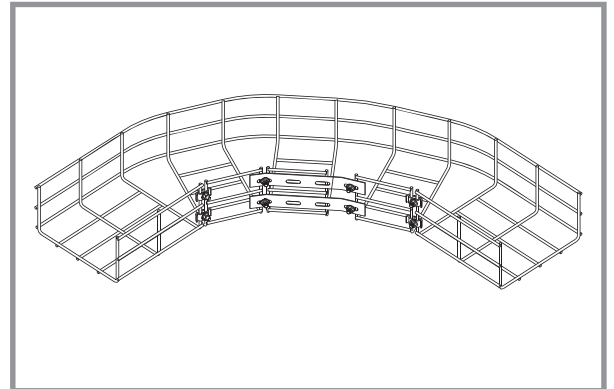
Joining Kit



Bend With Large Radius

60mm to 600mm

WIRE CABLE TRAY widths (mm)	Number of Cut-Outs	Number of Bolt Joiner Kits
60	2	2
100	3	3
150	4	4
200	4	4
300	6	6
400	8	8
500	9	9
600	11	11



60

100

150

200

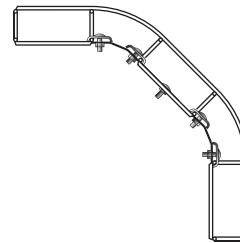
300

400

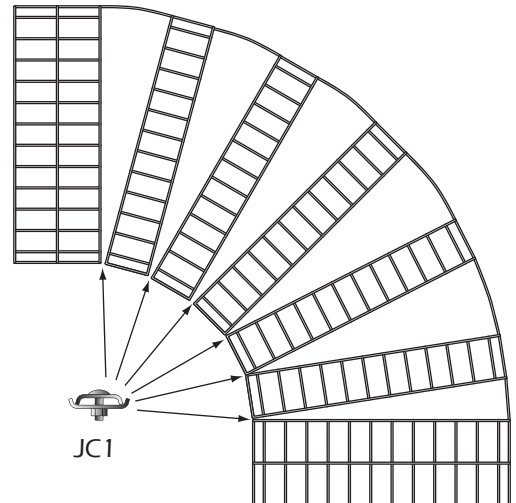
500

600

Widths 60mm

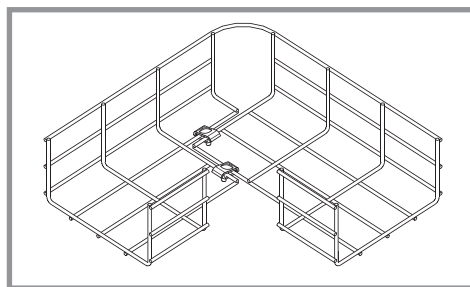


Widths 100mm - 600mm

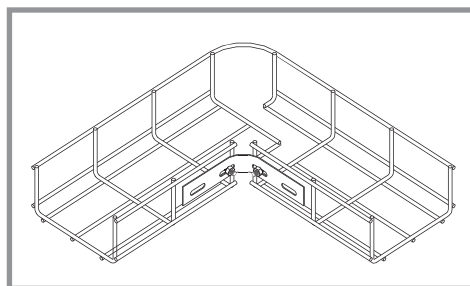


Bend With Small Radius

For making a small radius bend, one has to take a length of WIRE CABLE TRAY and cut away the necessary zones out of the bottom and the side. Then bend the WIRE CABLE TRAY to an angle of 90° and connect both ends with Joining clamp. For the Wire Cable Tray width 60mm, only a large radius can be made.



Join with JC1

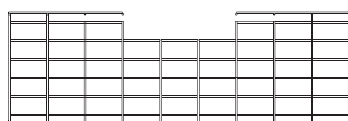


Join with SJ

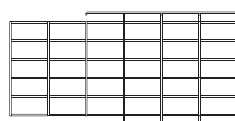
		Width	Accessory
		100mm	SJ
		150mm	SJ
		200mm	SJ
		250mm	SJ
		300mm	SJ
		400mm	SJ
		600mm	SJ

Installation Guide for Tee

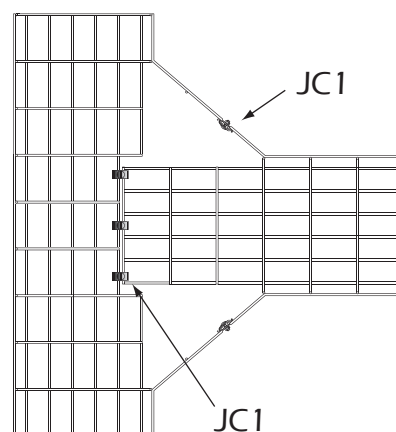
Width Wire Cable Tray 2	Number of column to cut away	
	Bottom	Side
100mm	5	1
150mm	5	1
200mm	6	2
250mm	6	2
300mm	7	3
400mm	8	4
500mm	9	5
600mm	10	6



Tray 1



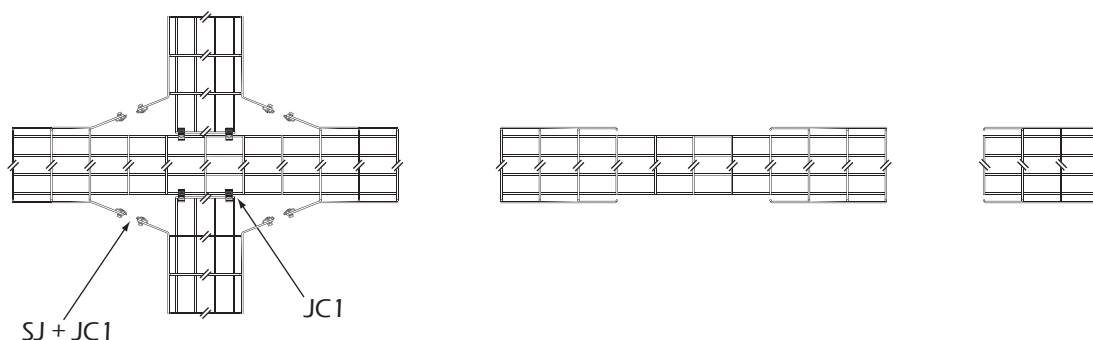
Tray 2 - Equal for all widths



- A Tee-piece is being made by cutting away the side of Tray 1, according to the data mentioned in the table above.
- The amount of column need to be cut away in Tray 2, always remain the same.
- The remaining sides are being bend across each other. The Wire Cable Tray are being connected by the use of JC1, JC2 or SJ.

Installation Guide for Cross

100mm to 600mm

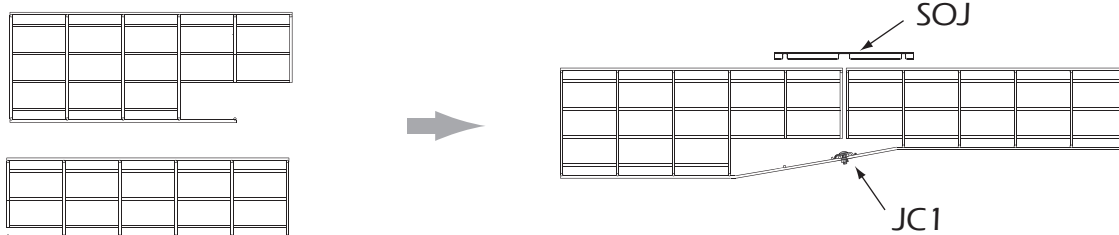


A cross section is being made by the same principle then a T-piece

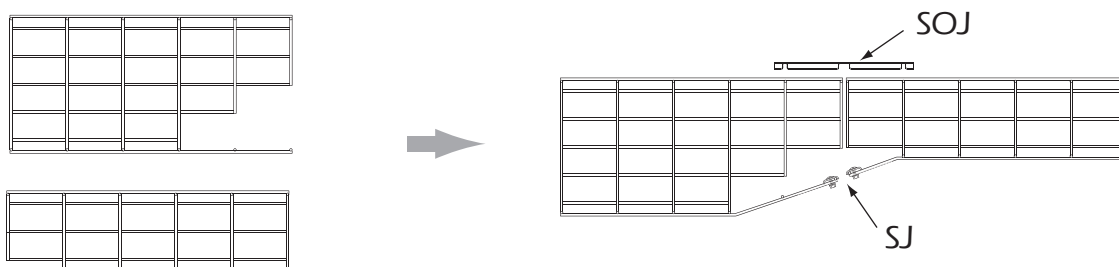
- Take a length of the required cable basket and cut away the side and bottom, according to the diagram above.
- Cut away the bottom from Wire Cable Tray2 and 3, by the same principle then for the second tray for the making of a T-piece
- Bend the sides across each other.
- Connect all the ends with JC1, JC2 or SJ

Installation Guide for Reducer

Difference of 75mm



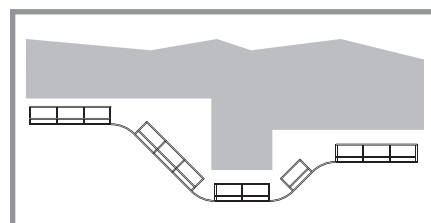
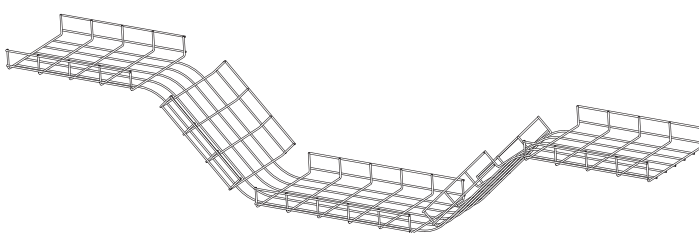
Difference of 125mm



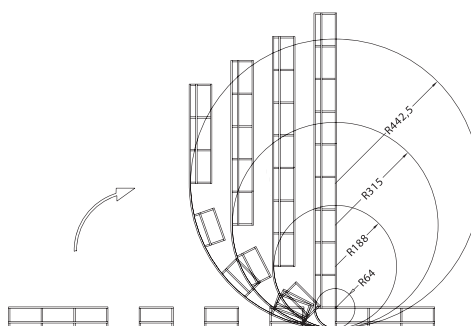
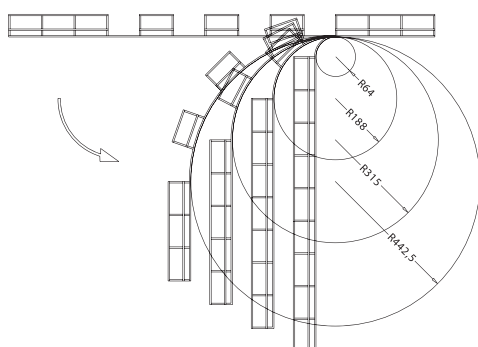
Wire Cable Tray can be reduced in order to connect them to a smaller section. All combinations are based a few basic principles in order to obtain the required result.

- Cut away the required zones from the bottom and the side.
- Bend the side to the required width. Connect the ends by means of SOJ, JC1, JC2 and SJ

Level Differences



Cutting and bending



For joining the wire cable basket at different level, it can be carried out by cutting away the corresponding zone and bending the cable basket at that spot, until the required shape has been obtained.



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