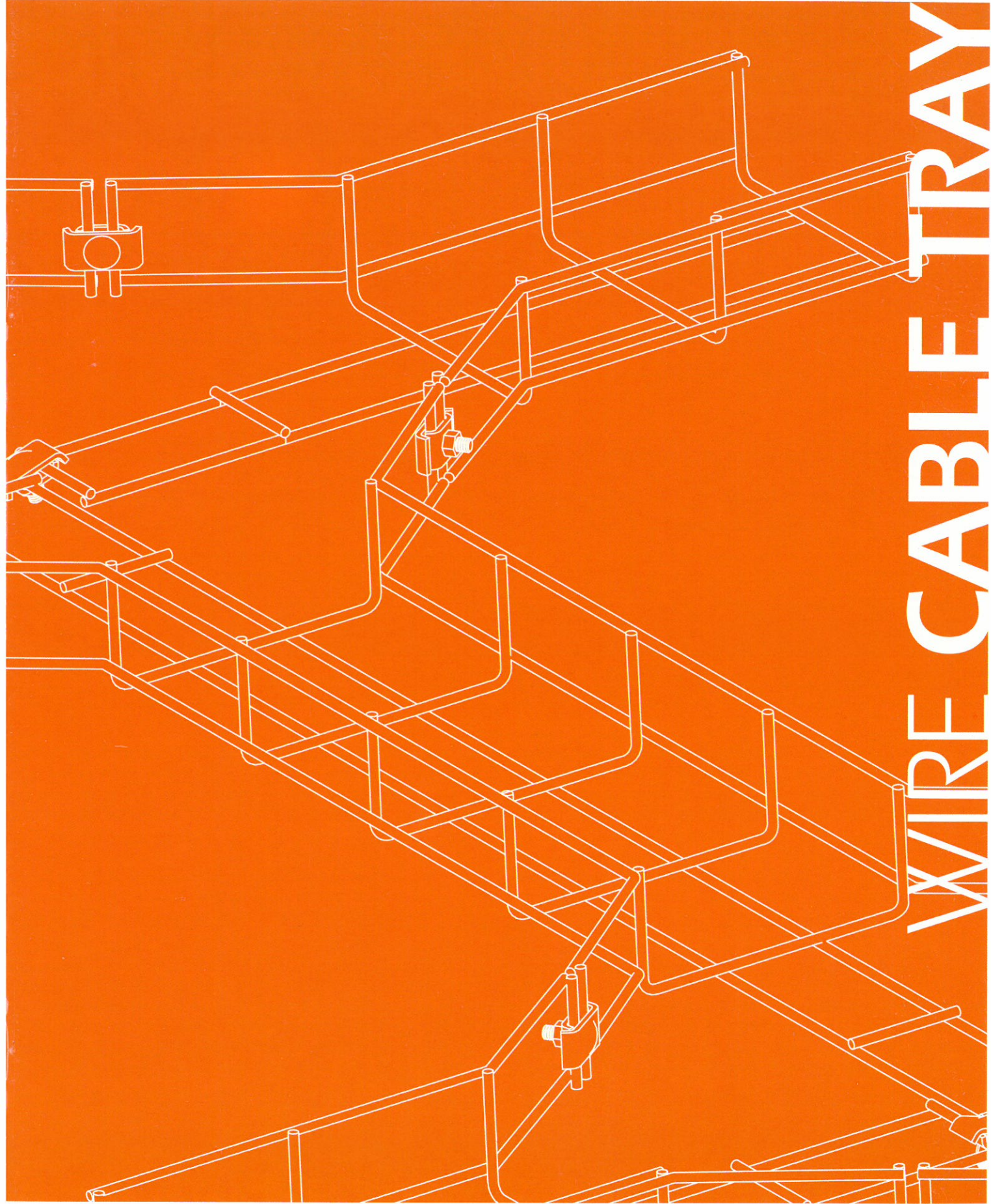


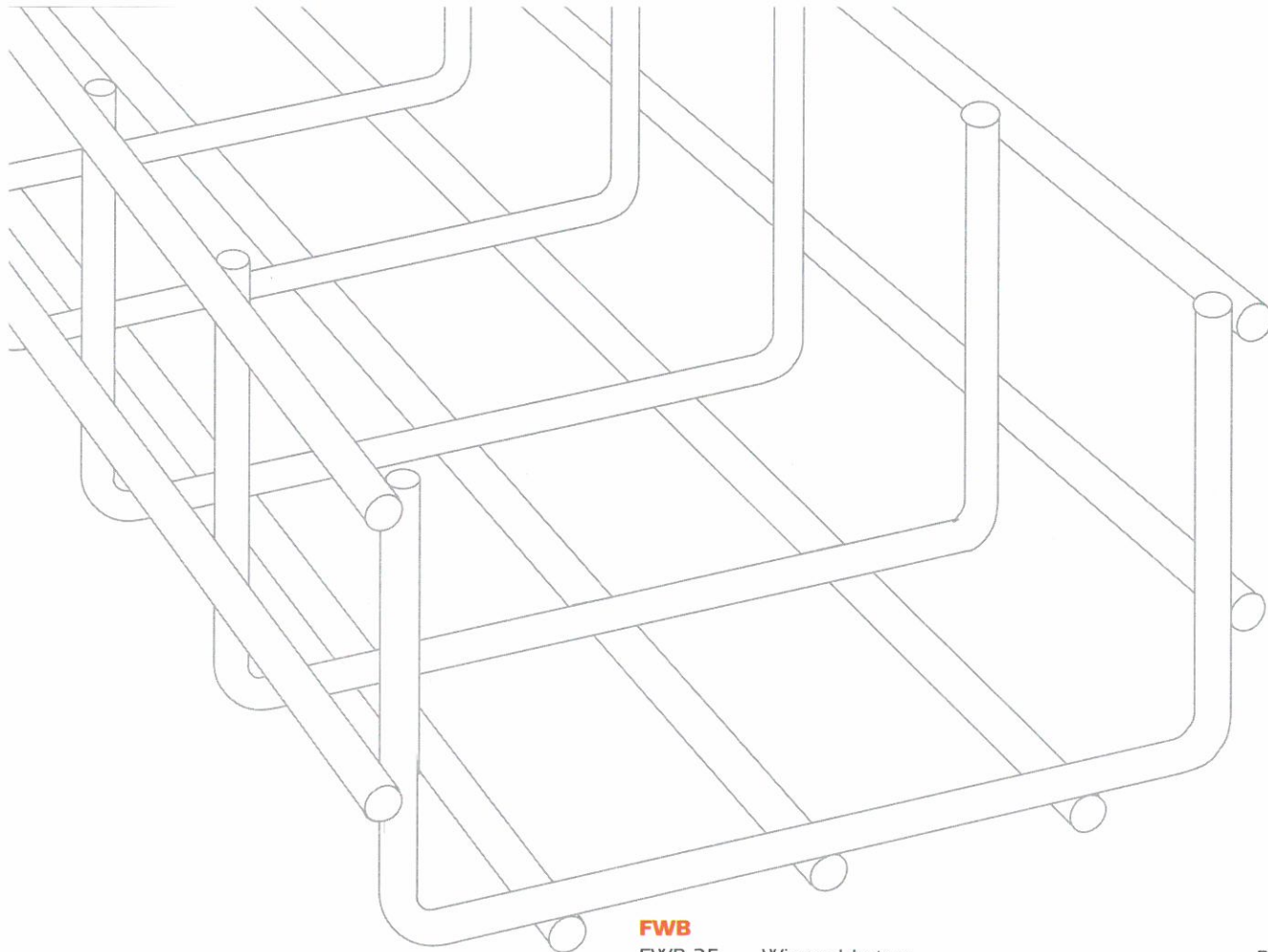
# WIRE CABLE TRAY



**United U-LI Corporation Berhad**







**FWB**

FWB 25	Wire cable tray	Pg 03
FWB 50	Wire cable tray	
FWB 75	Wire cable tray	Pg 04
FWB 100	Wire cable tray	
FWB 150	Wire cable tray	Pg 05

**COVER**

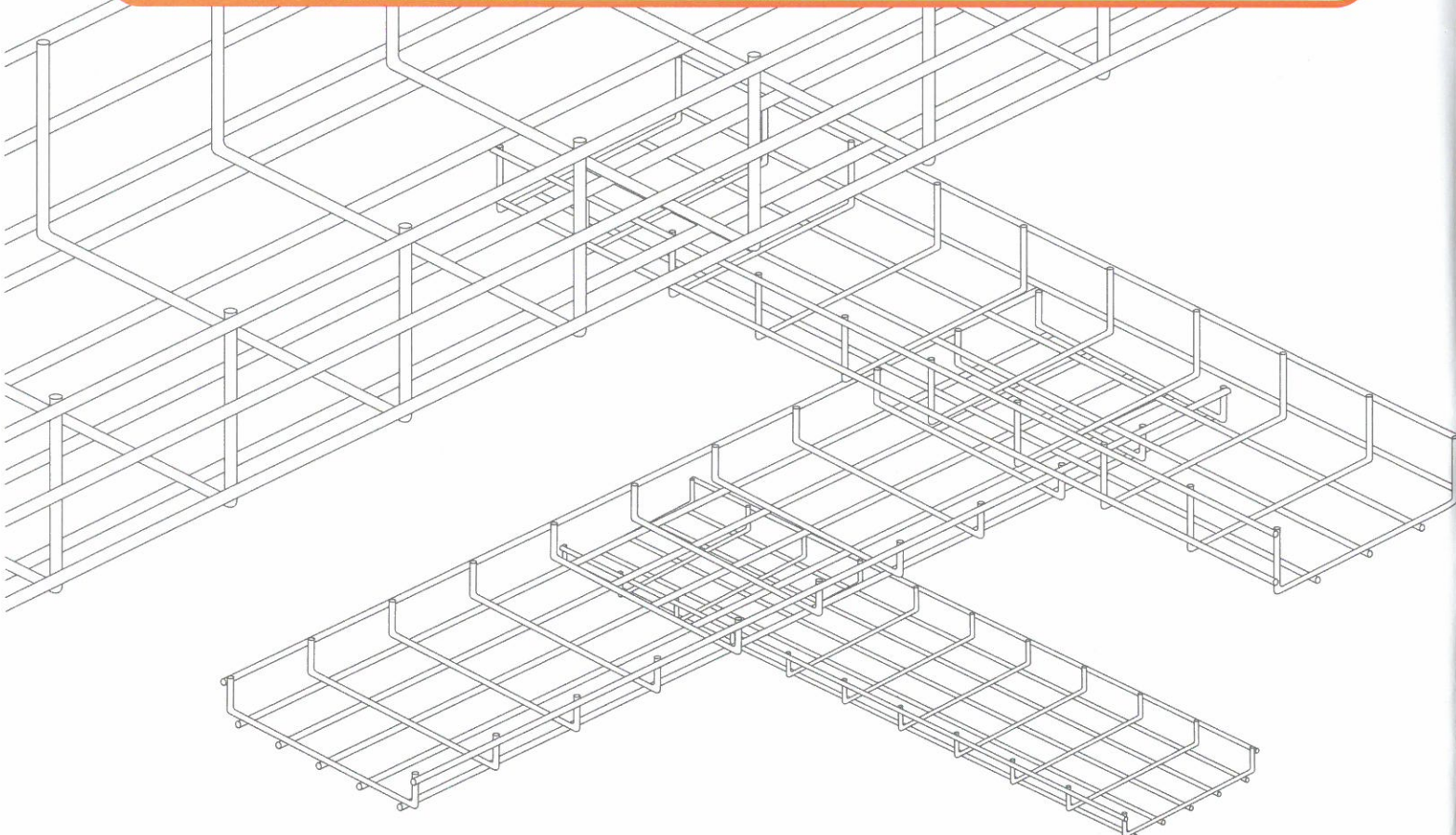
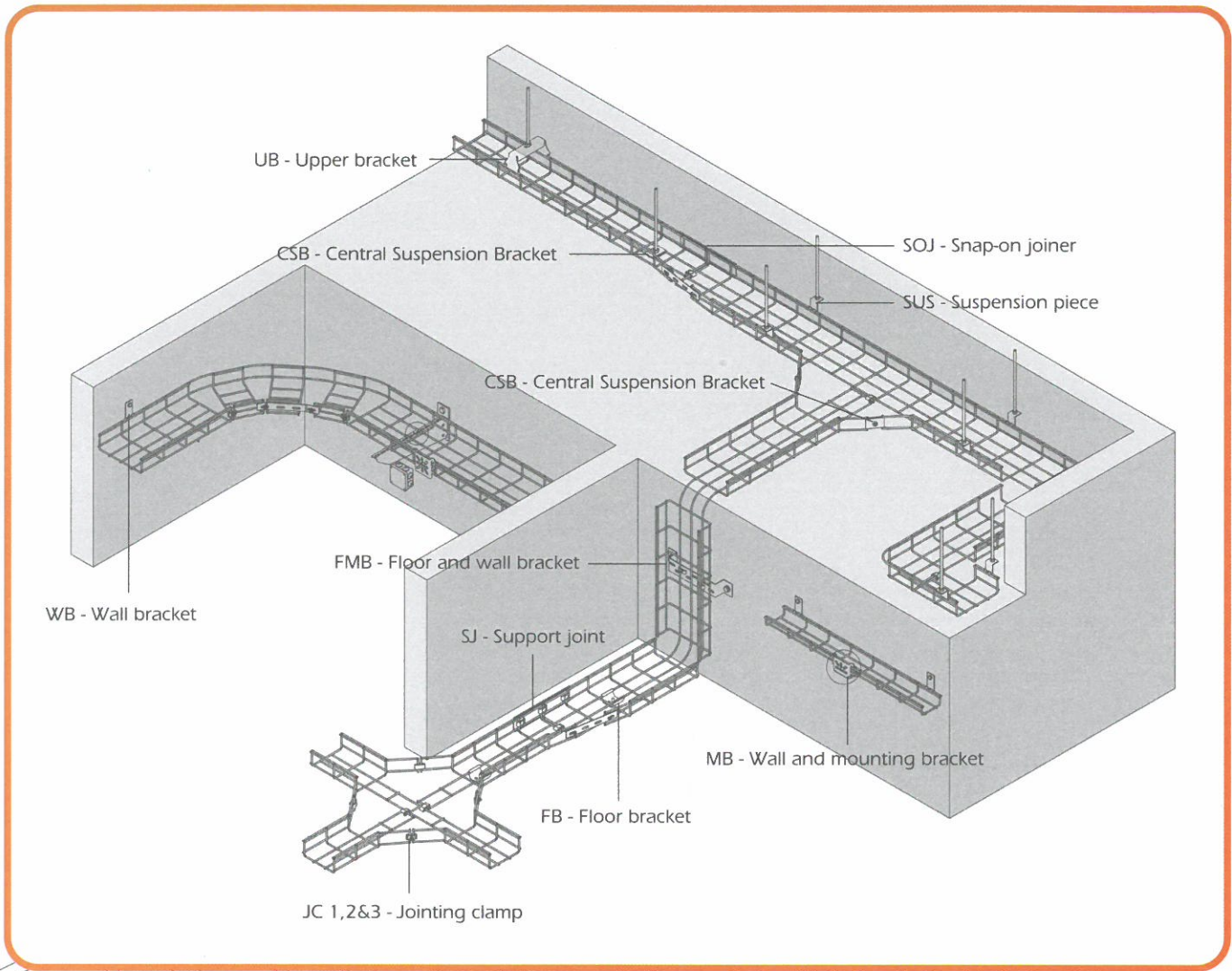
C	Universal Cover	Pg 06
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**ACCESSORIES**

CLFWB	Captive lid clamp FWB	Pg 06
CLFWB 25	Captive lid clamp FWB 25	
SUS	Suspension piece for FWB	Pg 07
WB	Wall bracket for FWB	
MB	Wall and mounting bracket for FWB	
MB 25	Wall and mounting bracket for FWB	
FC	Fixation clips FWB	Pg 08
FB	Floor bracket for FWB	
MSB-L	Multiple support bracket	
MSB-S	Multiple support bracket	
SIFWB	Snap-in floor and wall bracket for FWB	Pg 09
UB	Upper bracket	
FMB	Floor and wall bracket	
SISB	Snap-in suspension bracket for FWB	Pg 10
SIWB	Snap-in wall bracket for FWB	
SLOS	Division plate free	Pg 11
SJ	Support joint for FWB	
SOJ	Snap-on joiner for FWB	
JC 1	Joining clamp for FWB	Pg 12
JC 2	Joining clamp for FWB	

**Technical Information**

How To Cut The Wire	Pg 13
Joining kit	
Bend With Large Radius	Pg 14
Bend With Small Radius	Pg 15
Installation Guide	Pg 16-17

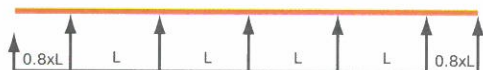
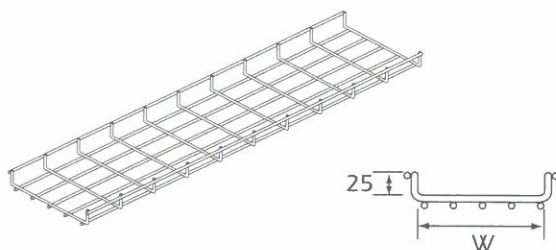




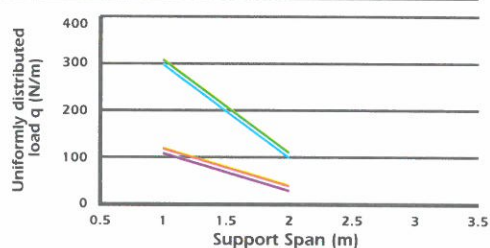
# FWB 25

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 - ST06
- FWB25 - ST12
- FWB25 - ST16

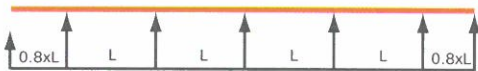
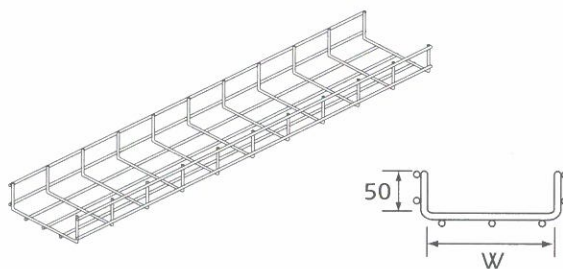
Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg/m)	Unit
FWB25 - ST02	25	60	3000	0.62	m
FWB25 - ST04	25	100	3000	0.85	m
FWB25 - ST06	25	150	3000	1.08	m
FWB25 - ST08	25	200	3000	1.31	m
FWB25 - ST10	25	250	3000	1.54	m
FWB25 - ST12	25	300	3000	1.77	m
FWB25 - ST16	25	400	3000	2.23	m
FWB25 - ST20	25	500	3000	2.70	m
FWB25 - ST24	25	600	3000	3.16	m

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

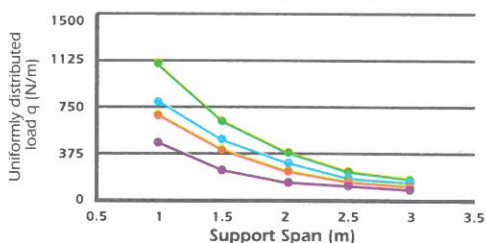
# FWB 50

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 - ST06
- FWB50 - ST12
- FWB50 - ST16

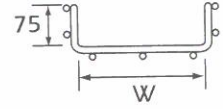
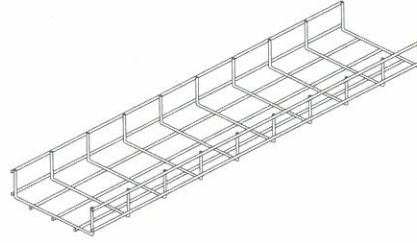
Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg/m)	Unit
FWB50 - ST02	50	60	3000	0.85	m
FWB50 - ST04	50	100	3000	1.08	m
FWB50 - ST06	50	150	3000	1.31	m
FWB50 - ST08	50	200	3000	1.54	m
FWB50 - ST10	50	250	3000	1.77	m
FWB50 - ST12	50	300	3000	2.00	m
FWB50 - ST16	50	400	3000	2.46	m
FWB50 - ST20	50	500	3000	2.93	m
FWB50 - ST24	50	600	3000	3.40	m

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

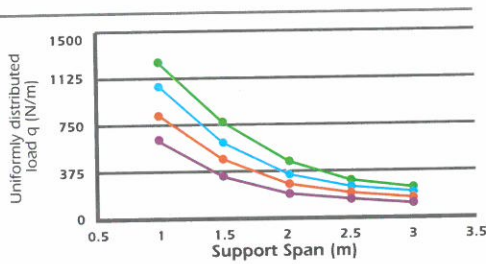
# FWB 75

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 - ST06
- FWB75 - ST10
- FWB75 - ST12
- FWB75 - ST16
- FWB75 - ST20

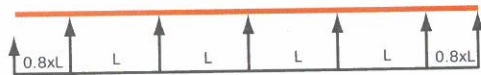
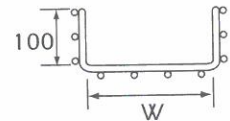
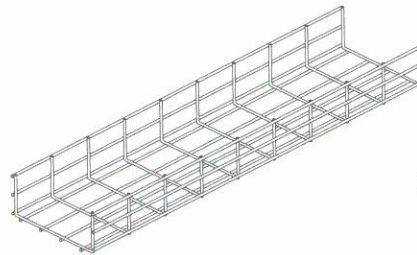
Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg/m)	Unit
FWB75 - ST02	75	75	3000	1.27	m
FWB75 - ST04	75	100	3000	1.31	m
FWB75 - ST06	75	150	3000	1.54	m
FWB75 - ST08	75	200	3000	1.77	m
FWB75 - ST10	75	250	3000	2.00	m
FWB75 - ST12	75	300	3000	2.23	m
FWB75 - ST16	75	400	3000	2.70	m
FWB75 - ST20	75	500	3000	3.16	m
FWB75 - ST24	75	600	3000	3.62	m

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

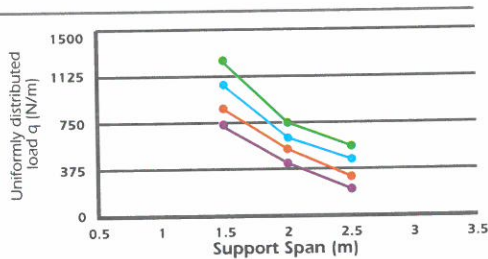
# FWB 100

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 - ST06
- FWB100 - ST08
- FWB100 - ST10
- FWB100 - ST12
- FWB100 - ST16
- FWB100 - ST20
- FWB100 - ST24

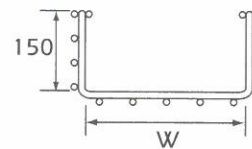
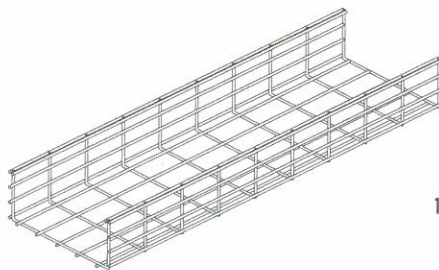
Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg/m)	Unit
FWB100 - ST04	100	100	3000	1.70	m
FWB100 - ST06	100	150	3000	1.77	m
FWB100 - ST08	100	200	3000	2.00	m
FWB100 - ST10	100	250	3000	2.23	m
FWB100 - ST12	100	300	3000	2.47	m
FWB100 - ST16	100	400	3000	2.93	m
FWB100 - ST20	100	500	3000	3.40	m
FWB100 - ST24	100	600	3000	3.85	m

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

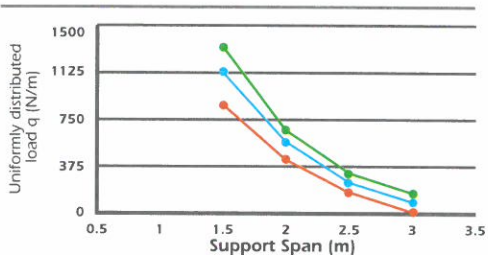
# FWB 150

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



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



\* Load q (newton) = Kg/9.81

- FWB150 - ST08
- FWB150 - ST16
- FWB150 - ST24

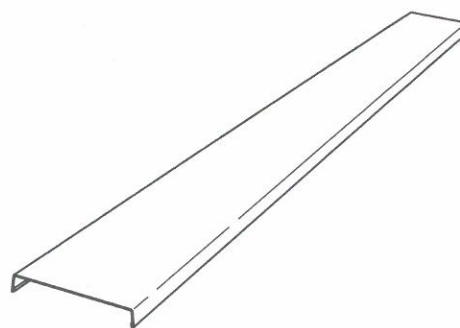
Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg/m)	Unit
FWB150 - ST06	150	150	3000	2.22	m
FWB150 - ST08	150	200	3000	2.44	m
FWB150 - ST10	150	250	3000	2.65	m
FWB150 - ST12	150	300	3000	2.87	m
FWB150 - ST16	150	400	3000	3.29	m
FWB150 - ST20	150	500	3000	3.73	m
FWB150 - ST24	150	600	3000	4.16	m

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



# Universal cover

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



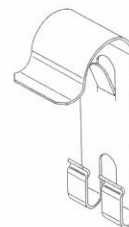
Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight kg/m	Unit
C 050	50	1.2	3000	0.55	m
C 075	75	1.2	3000	0.75	m
C 100	100	1.2	3000	0.94	m
C 150	150	1.2	3000	1.60	m
C 200	200	1.2	3000	2.07	m
C 250	250	1.2	3000	2.54	m
C 300	300	1.2	3000	3.01	m
C 400	400	1.2	3000	3.95	m
C 500	500	1.2	3000	4.90	m
C 600	600	1.5	3000	7.30	m

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

## CLFWB

### Captive lid clamp FWB

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



Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight kg	Unit
CLFWB	-	-	-	0.01	set

To be used with: FWB50, FWB75 and FWB100

## CLFWB 25

### Captive lid clamp FWB25

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

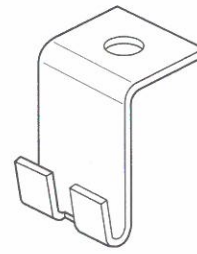


Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight kg	Unit
CLFWB 25	-	-	-	0.01	set

To be used with: FWB25

# SUS

## Suspension piece for FWB



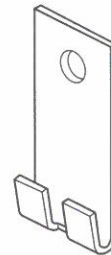
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight kg	Unit
SUS	-	-	-	0.04	set

Threaded rod suspension sizes M6/M8.  
Threaded rod M6/M8 need to be ordered separately.

# WB

## Wall bracket for FWB



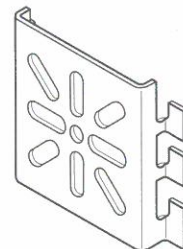
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight kg	Unit
WB	-	-	-	0.04	set

Up to width 200 mm.

# MB

## Wall and mounting bracket for FWB



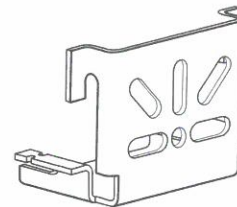
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight kg	Unit
MB	-	-	-	0.10	set

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
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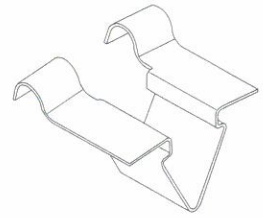
Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight kg	Unit
MB 25	-	-	-	0.13	piece

To be used with: FWB25



# FC

## Fixation clips FWB



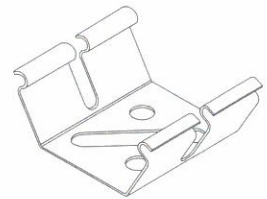
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg)	Unit
FC	-	-	-	0.015	piece

For fixation of wire cable tray on the bracket.

# FB

## Floor bracket for FWB

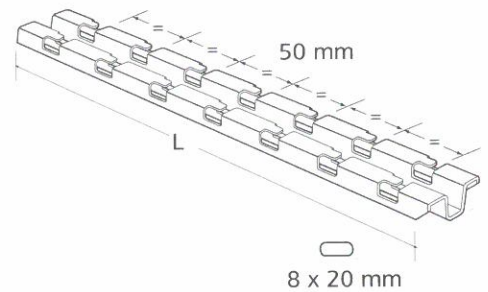


Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg)	Unit
FB	-	-	-	0.04	piece

# MSB-L

## Multiple support bracket for 100mm width and above

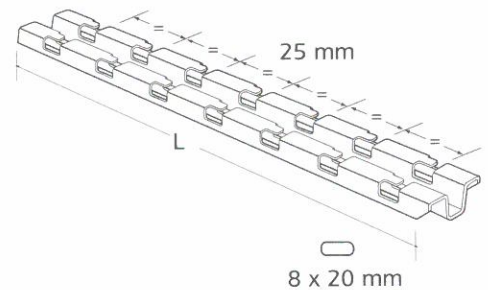


Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg/m)	Unit
MSB-L	-	-	2000	1.60	m

# MSB-S

## Multiple support bracket for 60mm and 75mm width

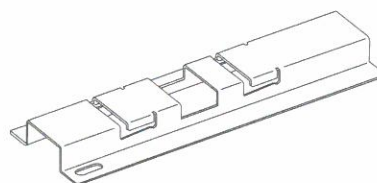


Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg/m)	Unit
MSB-S	-	-	300	1.60	m

# SIFWB

## Snap-in floor and wall bracket for FWB

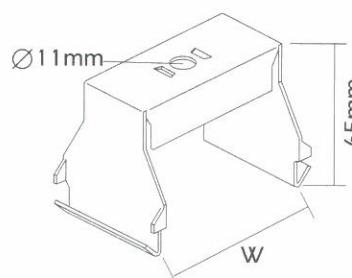


Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg)	Unit
SIFWB 150	20	150	-	0,27	piece
SIFWB 200	20	200	-	0,27	piece
SIFWB 300	20	300	-	0,37	piece
SIFWB 400	20	400	-	0,48	piece
SIFWB 500	20	500	-	0,58	piece
SIFWB 600	20	600	-	0,68	piece

# UB

## Upper bracket



Max. load	0.8 kN
Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel

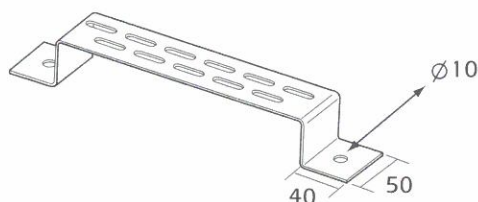
Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg)	Unit
UB 050	-	50	-	0.11	piece
UB 075	-	75	-	0.14	piece
UB 100	-	100	-	0.15	piece
UB 150	-	150	-	0.20	piece
UB 200	-	200	-	0.23	piece
UB 250	-	250	-	0.28	piece
UB 300	-	300	-	0.32	piece
UB 400	-	400	-	0.40	piece

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
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Reference	Height (mm)	Width (mm)	Thickness (mm)	Theoretical Weight (kg)	Unit
FMB 100	40	100	2.00	0,20	piece
FMB 150	40	150	2.00	0,23	piece
FMB 200	40	200	2.00	0,27	piece
FMB 300	40	300	2.00	0,34	piece
FMB 400	40	400	2.00	0,40	piece
FMB 500	40	500	2.00	0,47	piece
FMB 600	40	600	2.00	0,54	piece

Suitable as floor, wall, and suspension bracket.  
 Suspension bracket and wall bracket : to be mounted with FC.  
 Wall bracket : to mount with JCI

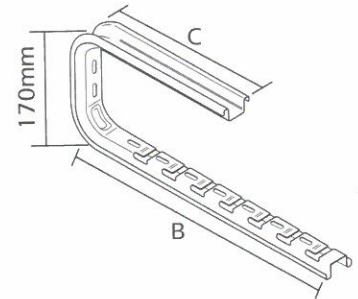


# SISB

Snap-in suspension bracket for FWB

Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Width	Max. load (in kN)	B+/-5mm	C+/-5mm
100	0,7	200	150
200	0,6	250	150
300	0,5	350	220
400	0,4	450	270
500	0,4	550	320



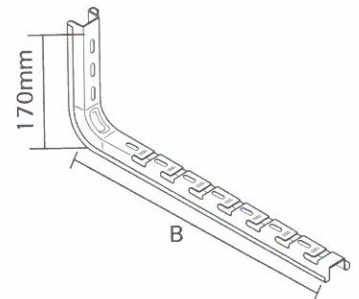
Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg)	Unit
SISB 170 x 100	170	100	-	0.36	piece
SISB 170 x 200	170	200	-	0.40	piece
SISB 170 x 300	170	300	-	0.54	piece
SISB 170 x 400	170	400	-	0.78	piece
SISB 170 x 500	170	500	-	0.95	piece

# SIWB

Snap-in wall bracket for FWB

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

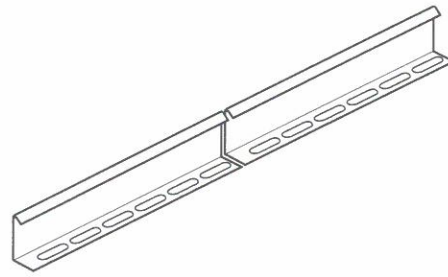


Reference	Height (mm)	Width (mm)	Length (mm)	Theoretical Weight (kg)	Unit
SIWB 170 x 100	170	100	-	0,27	piece
SIWB 170 x 200	170	200	-	0,31	piece
SIWB 170 x 300	170	300	-	0,38	piece
SIWB 170 x 400	170	400	-	0,55	piece
SIWB 170 x 500	170	500	-	0,67	piece

# SLOS

## Division plate free

Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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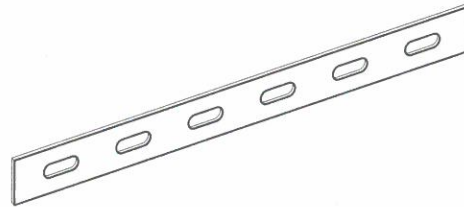
Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg)	Unit
SLOS 25	25	-	3000	0,30	m
SLOS 50	50	-	3000	0,48	m
SLOS 75	75	-	3000	0,65	m
SLOS 100	100	-	3000	0,80	m

Length 1 meter.

# SJ

## Support joint for FWB

Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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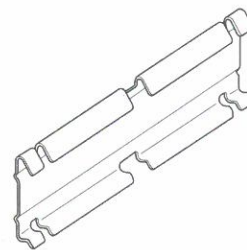
Reference	Height (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg)	Unit
SJ	25	2	250	0.1	piece

For maximum stability and safety.

# SOJ

## Snap-on joiner for FWB

Standard finishes	Electro zinc-plated Hot-dip galvanised Polyester powder coating Stainless Steel
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Reference	Height (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg)	Unit
SOJ	60	-	-	0.11	piece

For a fast joining without bolts and nuts.  
Can only be used with FWB50

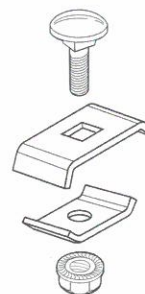


# JC 1

## Jointing clamp for FWB

Standard finishes

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



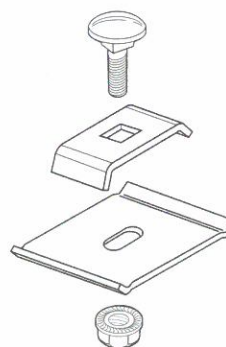
Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg)	Unit
JC 1	-	-	-	0.025	piece

# JC 2

## Jointing clamp for FWB

Standard finishes

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

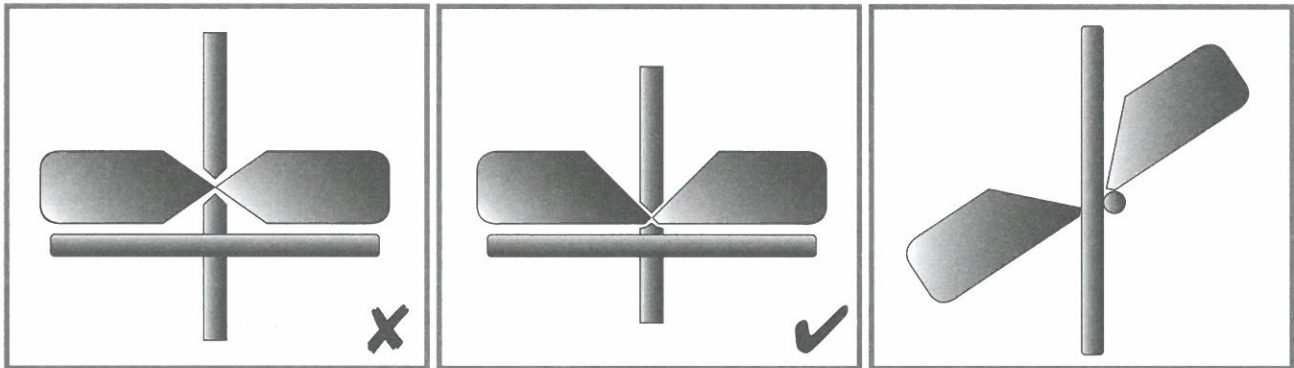
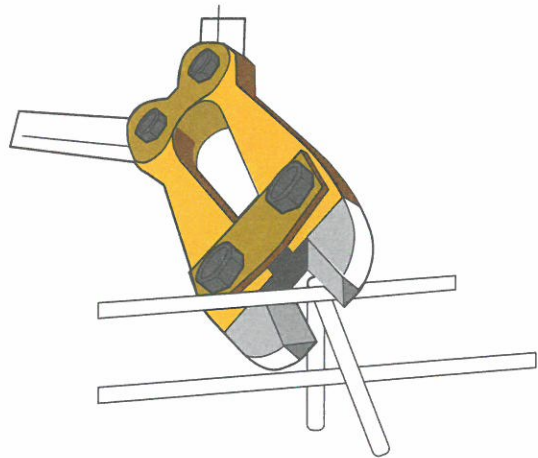


Reference	Width (mm)	Thickness (mm)	Length (mm)	Theoretical Weight (kg)	Unit
JC 2	-	-	-	0.025	piece

# Technical Information

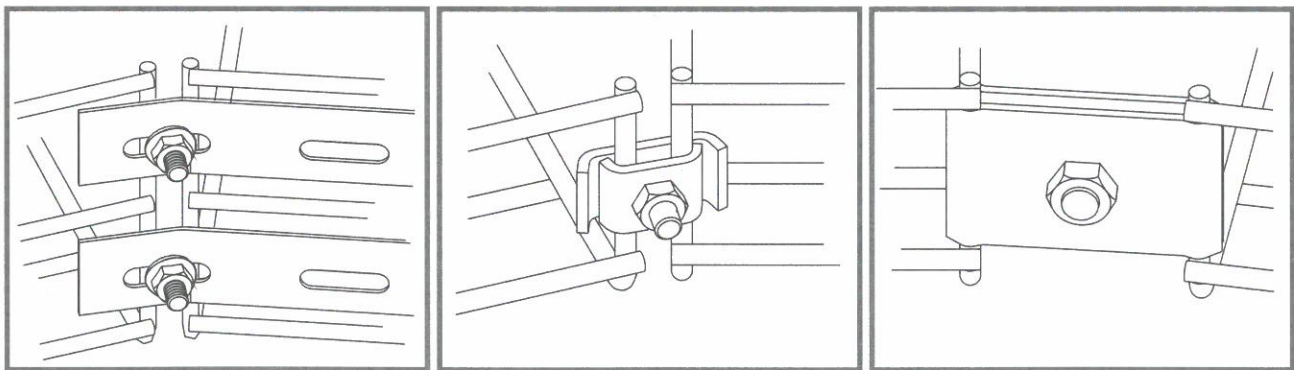
## How To Cut The Wire

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



SJ

JC1

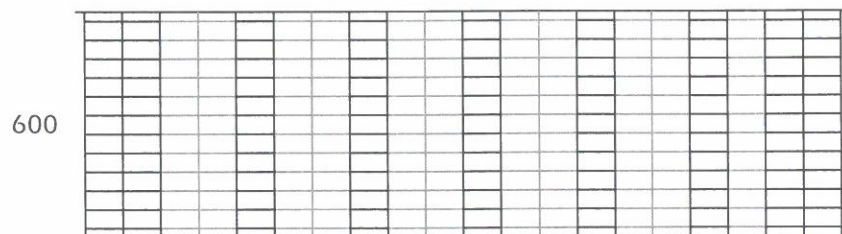
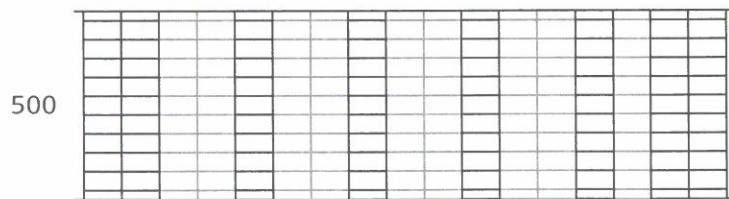
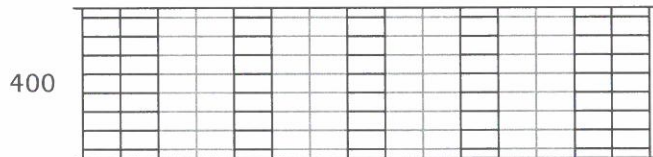
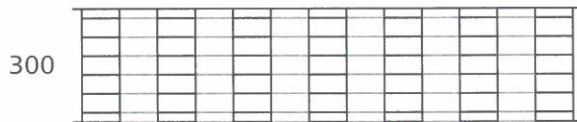
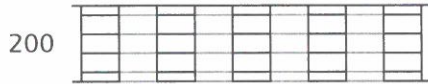
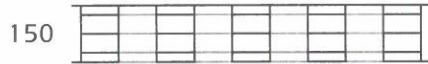
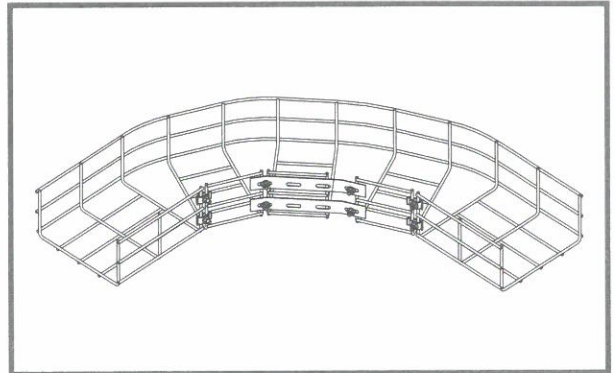
JC2



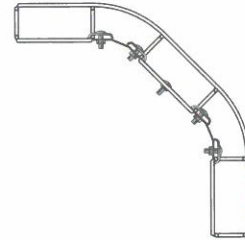
# Bend With Large Radius

60mm to 600mm

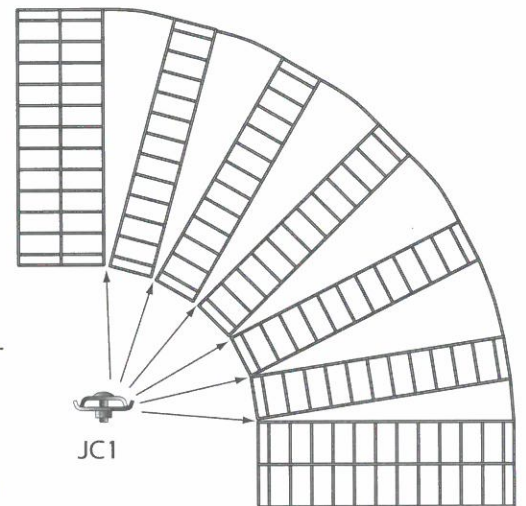
WIRE CABLE TRAY widths (mm)	Number of cut-outs	Number of Bolt Joiner Kits
60	2	2
100	3	3
150	4	4
200	4	4
300	6	6
400	8	8
500	9	9
600	11	11



Widths 60mm

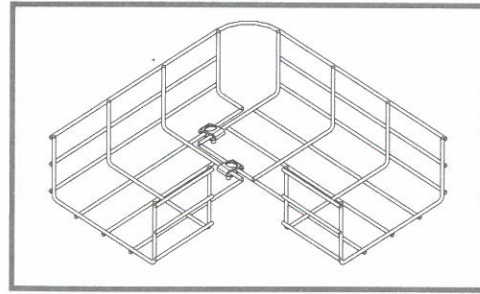


Widths 100mm - 600mm

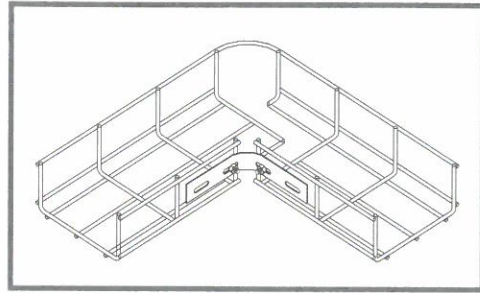


# Bend With Small Radius

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 Jointing clamp. For the Wire Cable Tray width 60mm, only a large radius can be made.



Join with JC1



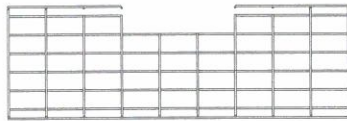
Join with SJ

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

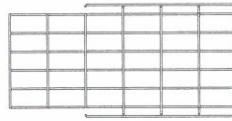


# Installation Guide for TEE

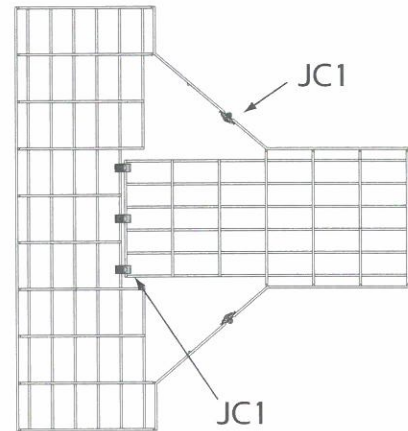
Width Wire Cable Tray 2	Number of column to cut away	
	Bottom	Side
100mm	5	1
150mm	5	1
200mm	6	2
250mm	6	2
300mm	7	3
400mm	8	4
500	9	5
600mm	10	6



Tray 1



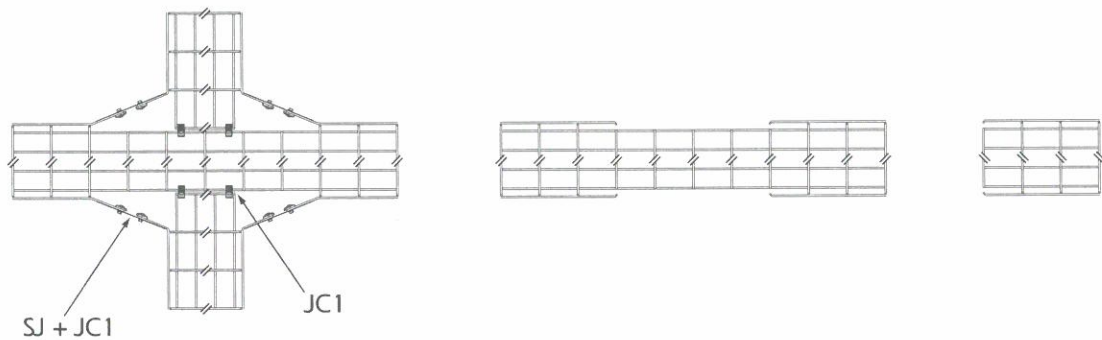
Tray 2 - Equal for all widths



- 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



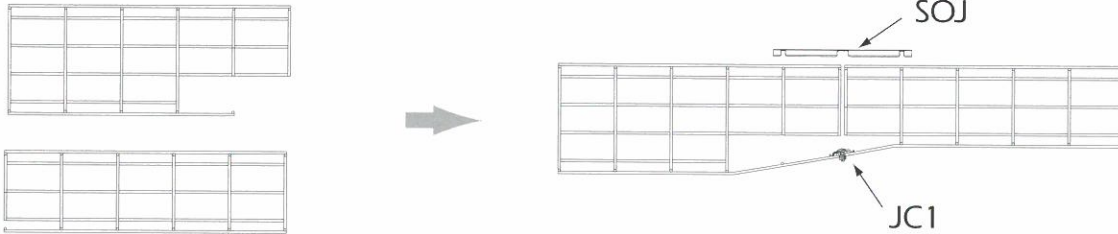
- A cross section is being made by the same principle then a T-piece
- Take a length of the required cable basket and cut away the side and bottom, according to the diagram above.
- Cut away the bottom from Wire Cable Tray2 and 3, by the same principle then for the second tray for the making of a T-piece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

# Installation Guide for Reducer

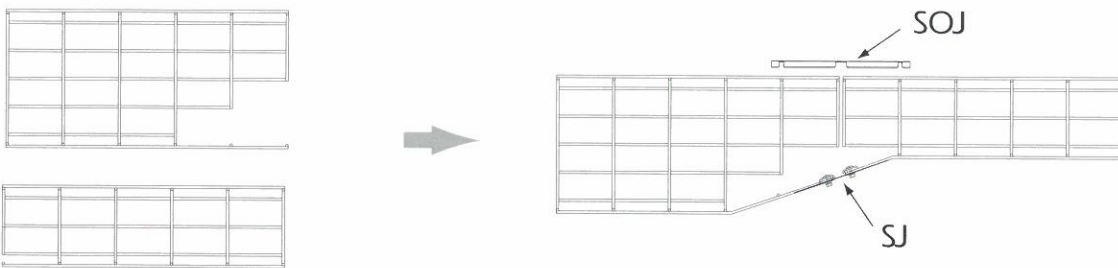
Wire Cable Tray can be reduced in order to connect them to a smaller section. All combinations are based a few basic principles in order to obtain the required result.

- 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

## Difference of 75mm

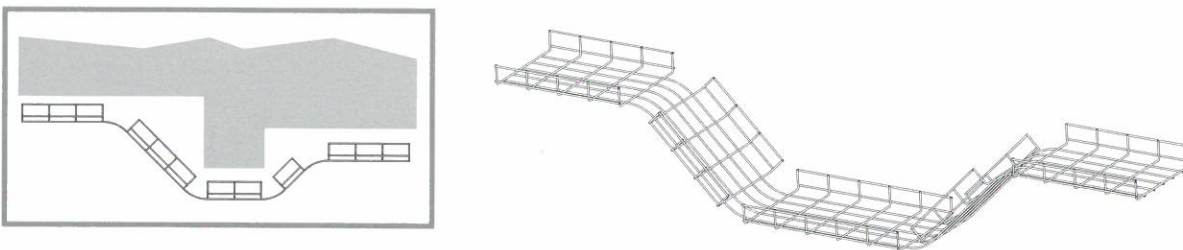


## Difference of 125mm

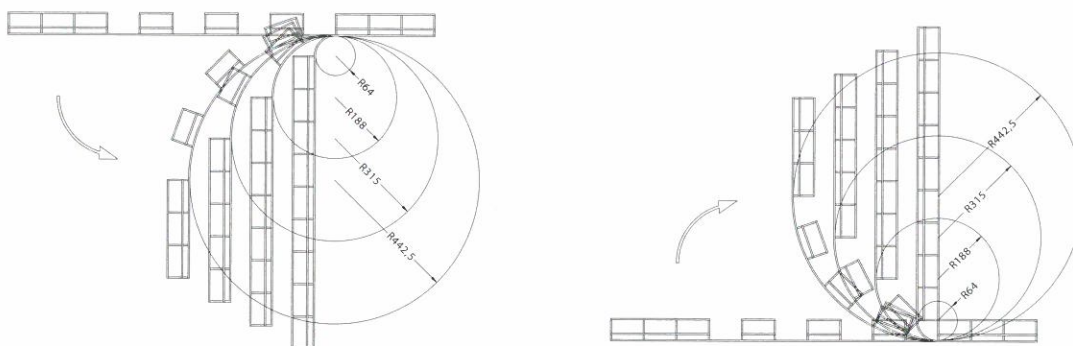


# Level Differences

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.



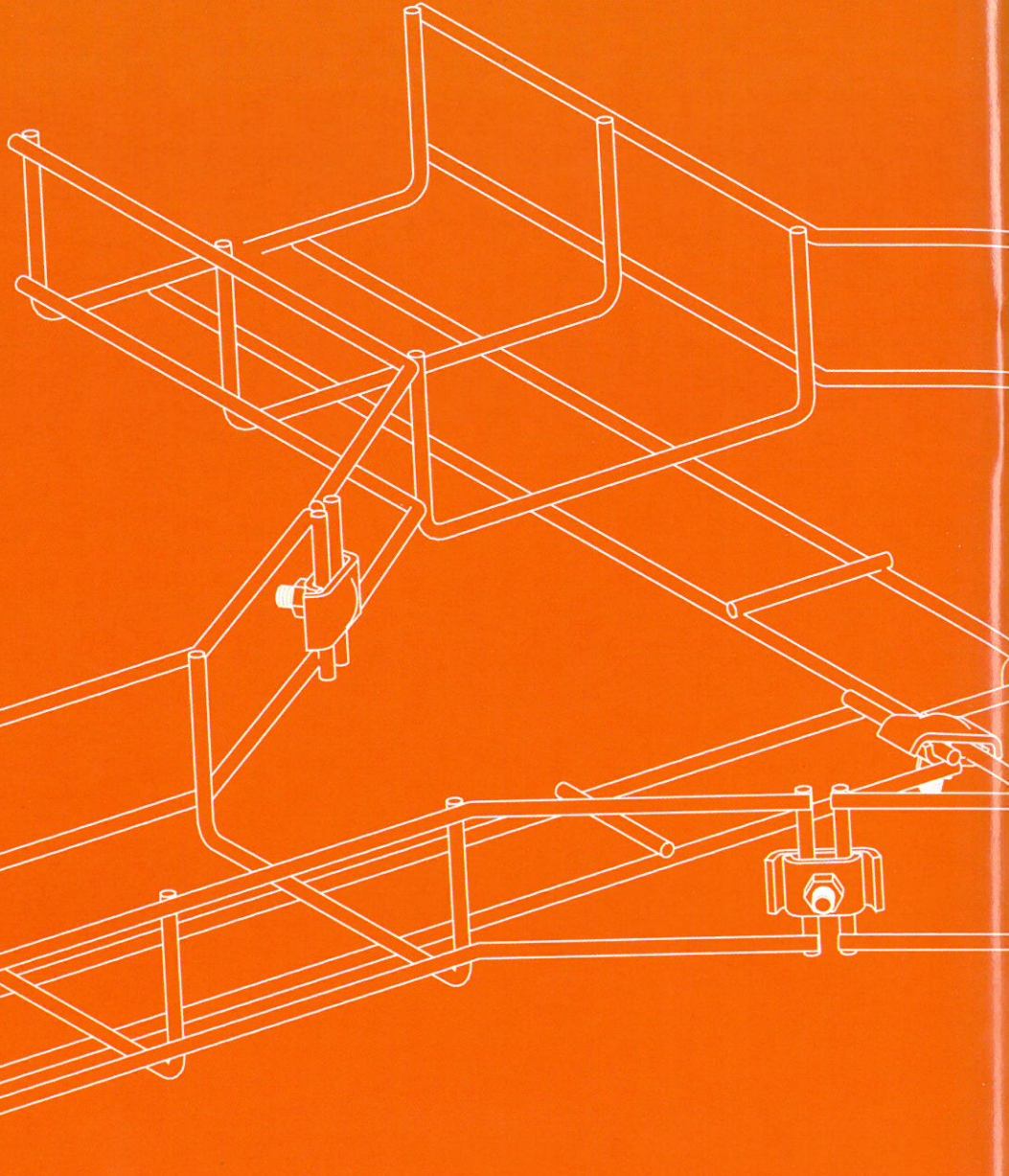
## Cutting and bending





## Literature Disclaimer

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