A Group brand | legrand

CABLOFIL STEEL WIRE CABLE TRAY

PRODUCT TECHNICAL GUIDE

CABLOFIL®

CABLOFIL®

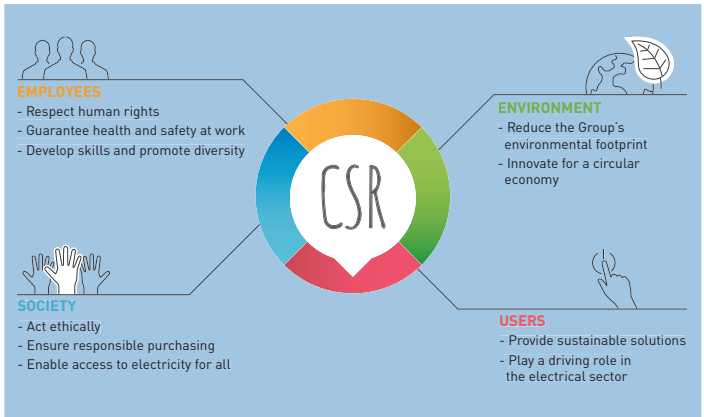
Global strength

built on local knowledge

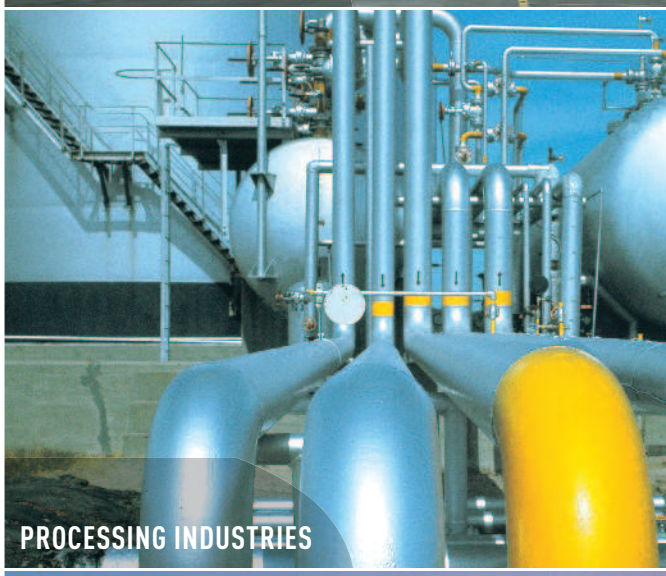
Legrand is the global specialist in electrical and digital building infrastructures. Innovation is the driving force behind its development. With an increasing investment in research and development (circa 5% of sales) and more than 4,000 active patents, the Legrand Group is focused on maintaining a high rate of new product launches that present innovative solutions to the market.

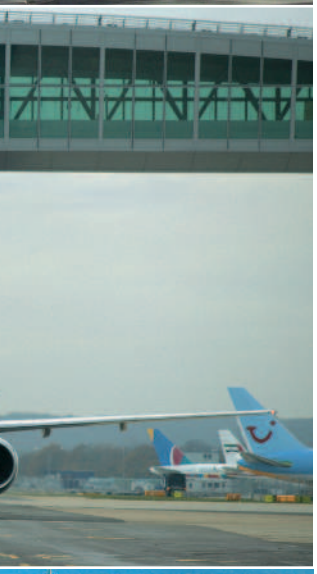
CORPORATE SOCIAL RESPONSIBILITY

Legrand's 2014-2018 CSR roadmap is a natural extension to the governance and sustainable development approach in which the company has been engaged for many years. The CSR roadmap firmly reasserts Legrand's commitment to sustainable development.



Find out more about Legrand's CSR roadmap at: www.legrand.co.uk/CSR





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CABLOFIL®

Legrand
the cable management expert

Complete cable management solutions

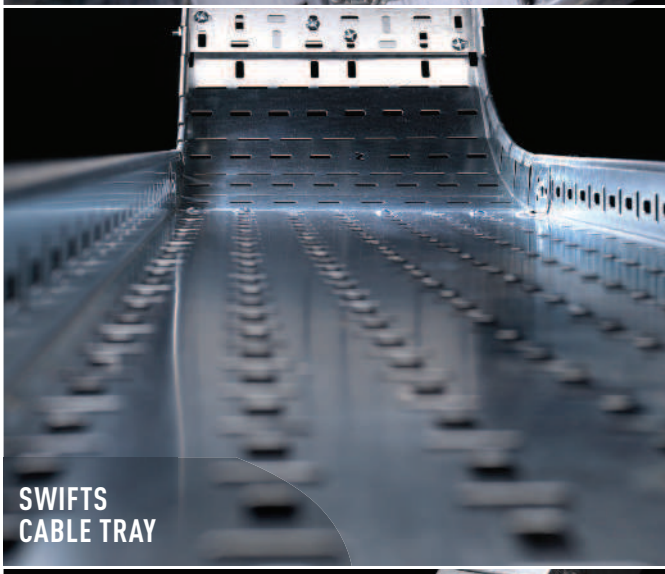
Using its global strength and market leading position, Legrand has developed a complete range of cable management solutions, including:

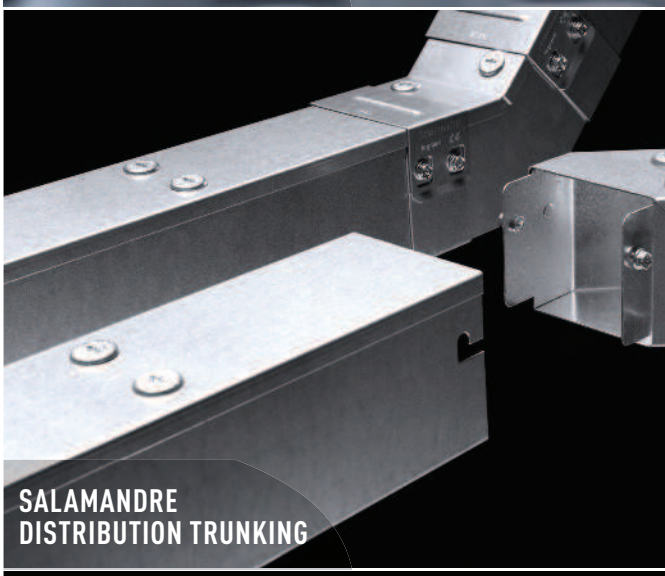
- **Swifts cable ladder**
- **Swifts cable tray**
- **Salamandre distribution trunking and lighting trunking**
- **Cablofil steel wire cable tray**
- **Floor systems**
- **Perimeter systems**

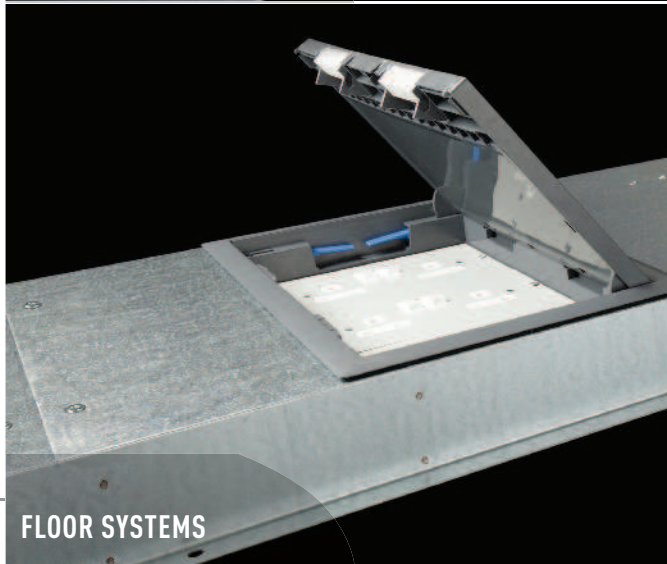
Specification data for engineering software systems

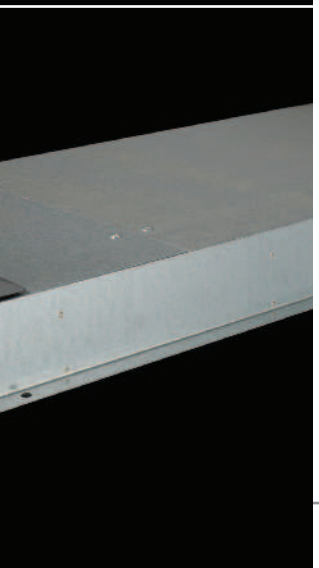
As part of its ongoing commitment to customer support, Legrand's cable management ranges have been integrated into a number of plant design modelling systems.

Find out more about Legrand's 3D modelling capabilities at: www.legrand3d.co.uk









Cablofil...
trusted for installations large and small

Cablofil steel wire cable tray has been tried and tested in installations of all sizes throughout the UK and beyond, from light duty requirements in small commercial buildings through to extra heavy duty installations in refineries and heavy industry applications such as shipbuilding.

One team. One product portfolio...
endless possibilities

As part of Legrand UK's cable management business unit, Cablofil products and systems are supported by a team of experts who live and breathe cable management.

With in-depth knowledge, a vast combined level of experience and a complete cable management product offering at their disposal, our team is able to provide customers with support and advice at any stage of their project, from design through to installation and beyond.

GALVANIZERS

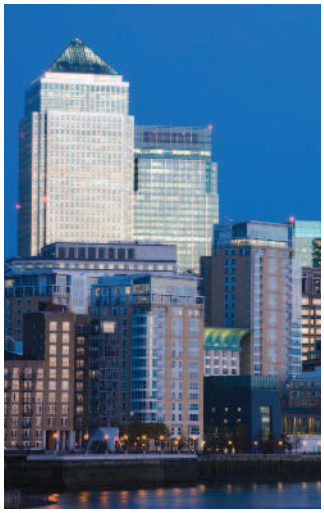
EIC

FPAL
Registered
Reg no. 10042065

beama

Legrand's market leading Cablofil steel wire cable tray provides a robust, versatile cable management solution for installations of almost any size

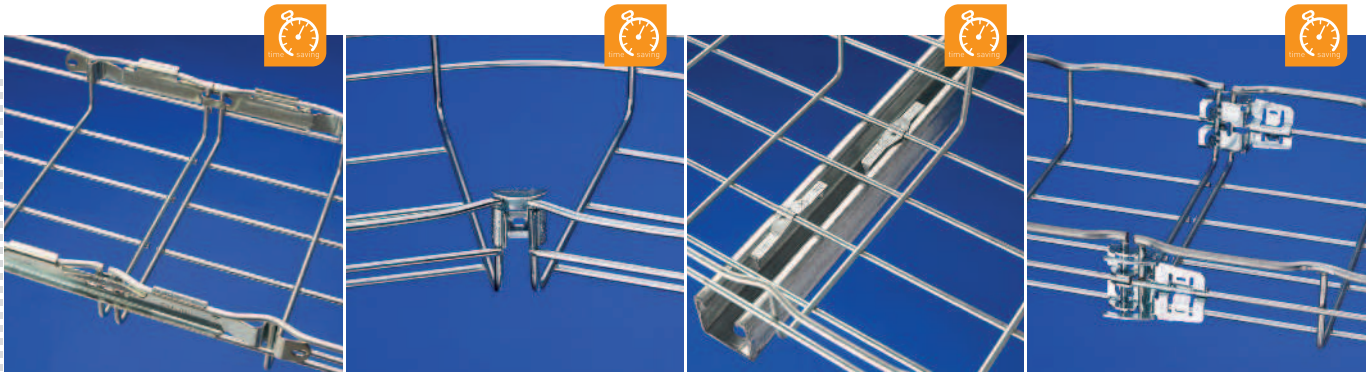
- Fast, simple installation
- Easily reconfigured
- Slot and tab boltless system



Designed to be easy to install and configure on site, Cablofil is the UK market leader in steel wire cable tray... an established and popular choice in cable management installations.

CABLOFIL...

the leader in steel wire cable tray



Fast, simple, reliable installations

Cablofil steel wire cable tray is supplied in straight lengths from which sophisticated installations can be created without the need for additional fittings.

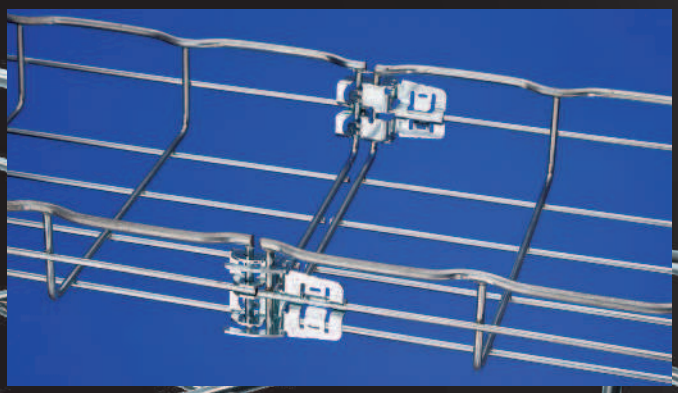
Simply cut and shape lengths to form bends, tees, crosspieces etc and secure quickly and easily using a range of 'slot and tab' fixings that do not require nuts and bolts.

- Vast range of supports for wall, ceiling and floor mounting
- Save on installation time with Cablofil's fast fix brackets
- Eradicate the need for nuts and bolts with Cablofil's 'slot and tab' boltless system
- Straight lengths available with pre-fitted couplers for rapid connection
- Natural ventilation provides greater cable efficiency
- Available in several finishes to suit different installation requirements

INNOVATIONS
for easy installations

Fasclic Auto...

The new Fasclic Auto range of 54 mm deep steel wire cable tray is supplied complete with pre-fitted couplers for quick and easy connection of straight lengths. Lengths simply clip together without the need for additional fasteners.



Faslock Auto...

The simple answer to fabricating fittings on site. Create radius bends and reducers in minutes with Faslock Auto. No additional fasteners (or fuss) required.

Specialist solutions

EZ+... increased life expectancy in demanding environments

Potentially corrosive environments such as tunnels, airports and energy production facilities call for tough products that can stand the test of time. Cablofil's latest innovation in surface treatment, EZ+, has been proven to live up to the challenge.

EZ+ is an additional organic finish applied over standard electrozinc plated steel wire cable trays, offering a durable surface treatment for temporary external installations during the construction phase.

In addition to Cablofil's unique rounded wires and T-welded safety edges, the EZ+ coating provides a smooth, consistent surface which further reduces the risk of damage to both the cables and the installer.

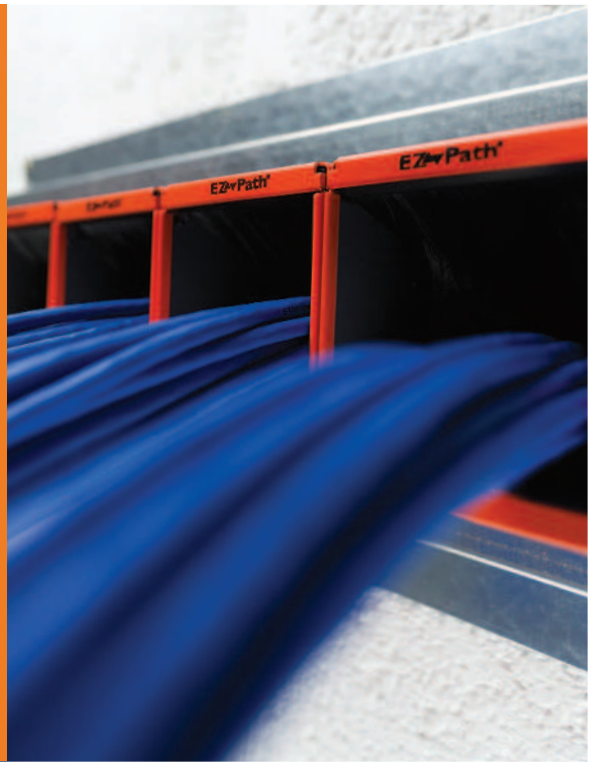
EZ-Path®...

EZ-Path is a mechanical device that provides fully compliant fire stopping for power and data cable management pathways.

It's easy to fit and/or retrofit and does not require a specialist fire contractor for system maintenance or upgrades.

Pre-fitted with the optimum amount of intumescent material to stop fire and smoke whether it's filled with cables or completely empty, EZ-Path is the perfect partner to Cablofil steel wire cable tray, Swifts cable ladder and Swifts perforated cable tray.

Find out more about EZ-Path at www.legrand.co.uk

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PRODUCT SELECTION

Cablofil®
key to finishes and symbols

■ Key to finishes

Symbol	Description
GS	Pre-galvanised
EZ	Electrogalvanising after manufacture
EZ+	Organically coated electrogalvanised after manufacture
GC	Hot dip galvanised after manufacture
DC	Geomet®
304L	Stainless steel 304 L
316L	Stainless steel 316 L
Z+	Continuous galvanisation before manufacture

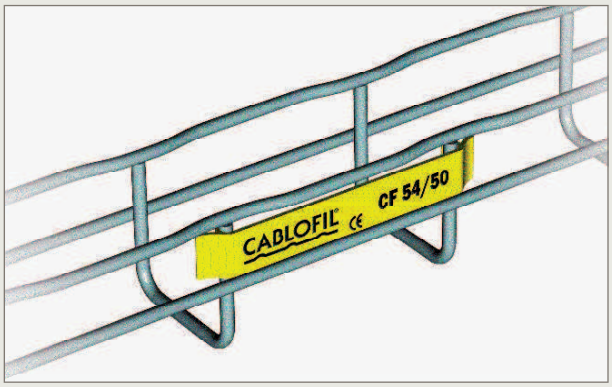
For detailed information related to finishes, refer to **p. 116-117**

■ Recommended finishes for different enviroments

❍ Recommended ◆ Possible	GS	EZ	EZ+	GC	DC	304L	316L
Internal installation, normal environment	❍	❍					
External installation, urban environment	◆	◆	◆	❍	❍		
Temporary external installation during construction phase	◆	◆	❍				
Chemical industries, nitrate explosives, photography, decoration				◆	◆		❍
Marine, harsh, sulphurous (weak concentration) environments				◆	◆		❍
Acid or alkaline environments		◆		◆	◆	❍	◆
Food production environment					❍	❍	
Halogen environment						◆	❍

Typical atmospheric environments in relation to suitability of finishes

■ Colour code identification

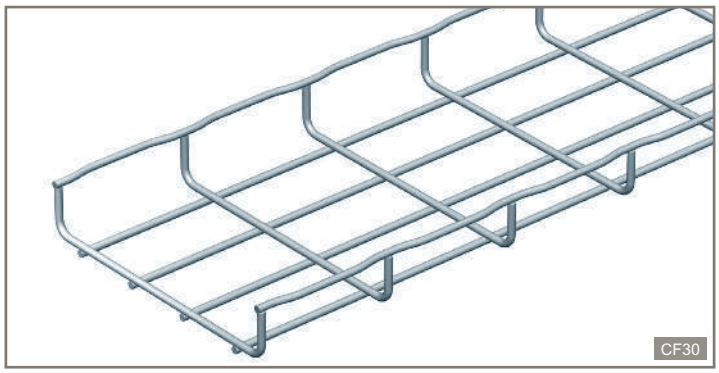


The surface treatment can be indentified by a colour coded clip
Each colour corresponds with a particular finish, i.e. yellow clip = EZ

■ Key to symbols

Symbol	Description
	Fixing without nuts and bolts
	Fixing with nuts and bolts
	Fast assembling
	Patented fast assembling system (FAS)
	Patented
	Patented safety edge
P1500	Supports at 1·5 m span
P2000	Supports at 2·0 m span
W	Width
L	Length
H	Height
F CEI 61.537 NORM	Practical safety load in daN
	Coupling

straight lengths – CF30



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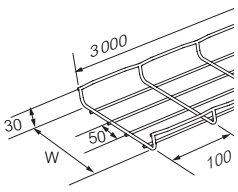
Dimensions and technical information **p. 38**

NOTE : please use Cat. No. when placing your order

CF30 – straight lengths (3 m)

30 mm 50 mm → 600 mm 3 m

Pack	Cat. Nos. EZ	Cat. Nos. GC		Width (mm)
1	CM000011	CM000013	CF30/50[1]	50
1	CM000021	CM000023	CF30/100	100
1	CM000031	CM000033	CF30/150	150
1	CM000041	CM000043	CF30/200	200
1	CM000051	CM000053	CF30/300	300
1	CM000801	–	CF30/400	400
1	CM000831	–	CF30/450	450
1	CM000811	–	CF30/500	500
1	CM000851	–	CF30/600	600



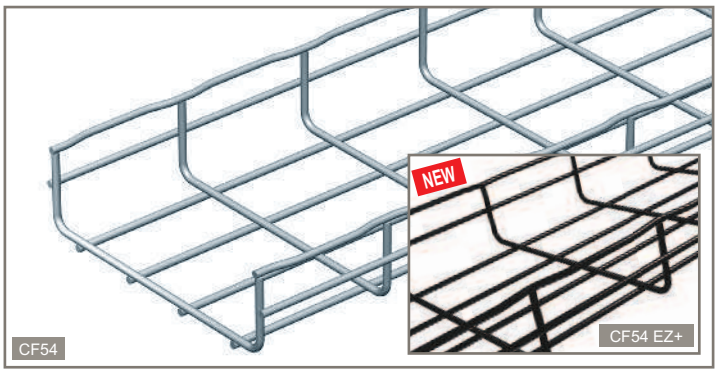
CF 30 stainless steel – straight lengths (3 m)

30 mm 50 mm → 300 mm 3 m

Pack	Cat. Nos. 304L	Cat. Nos. 316L		Width (mm)
1	CM000018	CM000014	CF30/50[1]	50
1	CM000028	CM000024	CF30/100	100
1	CM000038	CM000034	CF30/150	150
1	CM000048	CM000044	CF30/200	200
1	CM000058	CM000054	CF30/300	300

1 : = No safety edge

straight lengths – CF54



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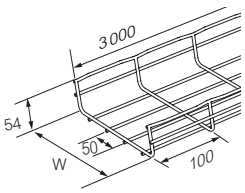
Dimensions and technical information **p. 39**

NOTE : please use Cat. No. when placing your order

CF54 – straight lengths (3 m)

54 mm 50 mm → 600 mm 3 m

Pack	Cat. Nos. EZ	Cat. Nos. GC		Width (mm)
1	CM000061	CM000063	CF54/50	50
1	CM000071	CM000073	CF54/100	100
1	CM000081	CM000083	CF54/150	150
1	CM000091	CM000093	CF54/200	200
1	CM000101	CM000103	CF54/300	300
1	CM000201	CM000203	CF54/400	400
1	CM000251	CM000253	CF54/450	450
1	CM000301	CM000303	CF54/500	500
1	CM000401	CM000403	CF54/600	600



CF54 stainless steel – straight lengths (3 m)

54 mm 50 mm → 600 mm 3 m

Pack	Cat. Nos. 304L	Cat. Nos. 316L		Width (mm)
1	CM000068	CM000064	CF54/50	50
1	CM000078	CM000074	CF54/100	100
1	CM000088	CM000084	CF54/150	150
1	CM000098	CM000094	CF54/200	200
1	CM000108	CM000104	CF54/300	300
1	CM000208	CM000204	CF54/400	400
1	CM000258	CM000254	CF54/450	450
1	CM000308	CM000304	CF54/500	500
1	CM000408	CM000404	CF54/600	600

CF54 EZ+ – straight lengths (3 m)

54 mm 50 mm → 600 mm 3 m
Colour : black

Pack	NEW EZ+		Width (mm)
1	CM000062	CF54/50	50
1	CM000072	CF54/100	100
1	CM000082	CF54/150	150
1	CM000092	CF54/200	200
1	CM000102	CF54/300	300
1	CM000202	CF54/400	400
1	CM000252	CF54/450	450
1	CM000302	CF54/500	500
1	CM000402	CF54/600	600

Key :

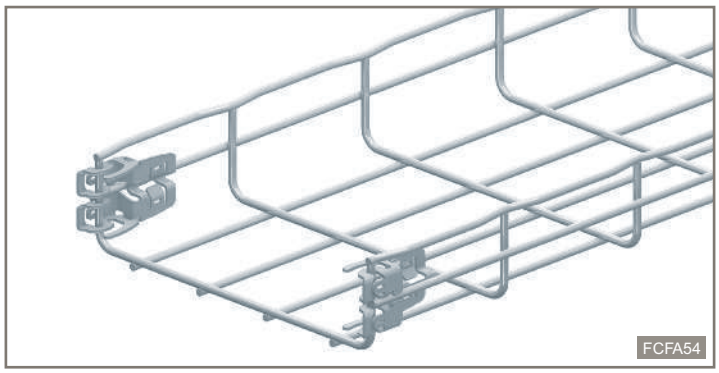
- EZ – Electrogalvanising after manufacture
- EZ+ – Organically coated electrogalvanised after manufacture
- GC – Hot dip galvanised after manufacture
- 304L – Stainless steel 304L
- 316L – Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

straight lengths – FCFA54 (FASCLIC AUTO)

NEW



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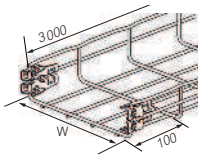
Dimensions and technical information **p. 40**

NOTE : please use Cat. No. when placing your order

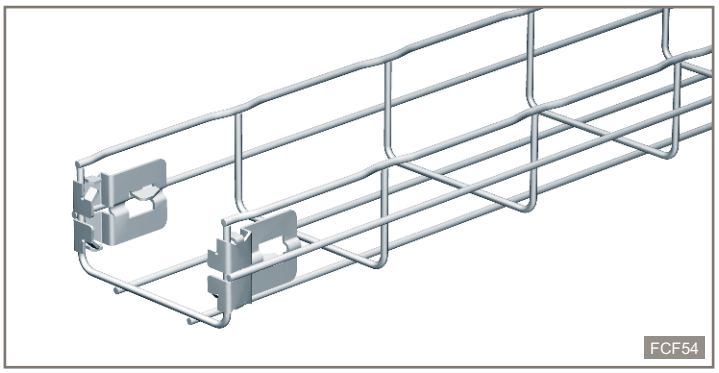
FCFA54 – straight lengths (3 m)

54 mm 50 mm → 600 mm 3 m

Pack	Cat. Nos. EZ	Cat. Nos. GC		Width (mm)
1	CM082061	-	FCFA54/50	50
1	CM082071	-	FCFA54/100	100
1	CM082081	-	FCFA54/150	150
1	CM082091	-	FCFA54/200	200
1	CM082101	-	FCFA54/300	300
1	CM082201	-	FCFA54/400	400
1	CM082251	-	FCFA54/450	450
1	CM082301	-	FCFA54/500	500
1	CM082401	-	FCFA54/600	600



straight lengths – FCF54 (FASCLIC)



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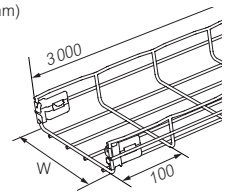
NOTE : please use Cat. No. when placing your order

FCF54 stainless steel – straight lengths (3 m)

54 mm 50 mm → 300 mm 3 m

Pack	Cat. Nos. 304L	Cat. Nos. 316L		Width (mm)
1	CM081068	CM081064	FCF54/50	50
1	CM081078	CM081074	FCF54/100	100
1	CM081088	CM081084	FCF54/150	150
1	CM081098	CM081094	FCF54/200	200
1	–	CM081104	FCF54/300	300

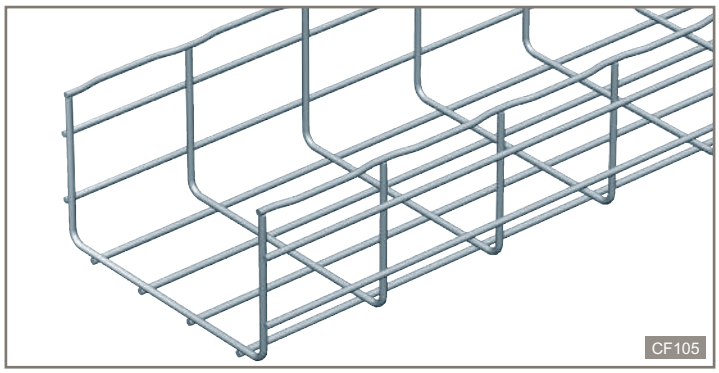


Key :
- EZ Electrogalvanising after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

straight lengths – CF105



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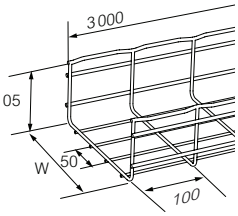
Dimensions and technical information **p. 42**

NOTE : please use Cat. No. when placing your order

CF105 – straight lengths (3 m)

105 mm 100 mm → 600 mm 3 m

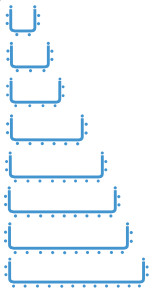
Pack	Cat. Nos. EZ	Cat. Nos. GC		Width (mm)
1	CM000891	CM000893	CF105/100	100
1	CM000901	CM000903	CF105/150	150
1	CM000911	CM000913	CF105/200	200
1	CM000921	CM000923	CF105/300	300
1	CM000931	CM000933	CF105/400	400
1	CM001931	CM001933	CF105/450	450
1	CM000941	CM000943	CF105/500	500
1	CM001031	CM001033	CF105/600	600



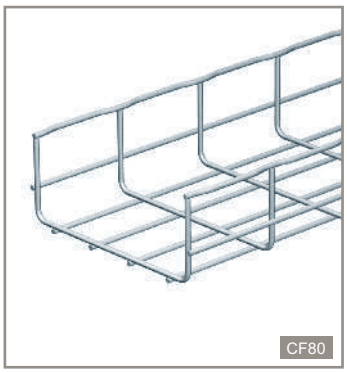
CF105 stainless steel – straight lengths (3 m)

105 mm 100 mm → 600 mm 3 m

Pack	Cat. Nos. 304L	Cat. Nos. 316L		Width (mm)
1	CM000898	CM000894	CF105/100	100
1	CM000908	CM000904	CF105/150	150
1	CM000918	CM000914	CF105/200	200
1	CM000928	CM000924	CF105/300	300
1	CM000938	CM000934	CF105/400	400
1	CM001938	CM001934	CF105/450	450
1	CM000948	CM000944	CF105/500	500
1	CM001038	CM001034	CF105/600	600



straight lengths – CF80 - CF150



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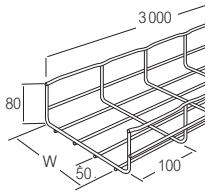
Dimensions and technical information **p. 43**

NOTE : please use Cat. No. when placing your order

CF80 – straight lengths (3 m)

80 mm 100 mm → 500 mm 3 m

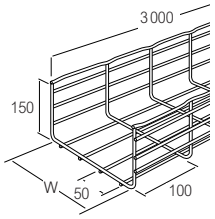
Pack	Cat. Nos. EZ	Cat. Nos. GC		Width (mm)
1	CM800101	CM800103	CF80/100	100
1	CM800201	CM800203	CF80/200	200
1	CM800301	CM800303	CF80/300	300
1	CM800401	CM800403	CF80/400	400
1	CM800501	CM800503	CF80/500	500



CF150 – straight lengths (3 m)

150 mm 200 mm → 500 mm 3 m

Pack	Cat. Nos. EZ	Cat. Nos. GC		Width (mm)
1	CM000951	CM000953	CF150/200	200
1	CM000961	CM000963	CF150/300	300
1	CM000971	CM000973	CF150/400	400
1	CM001011	CM001013	CF150/450	450
1	CM001021	CM001023	CF150/500	500

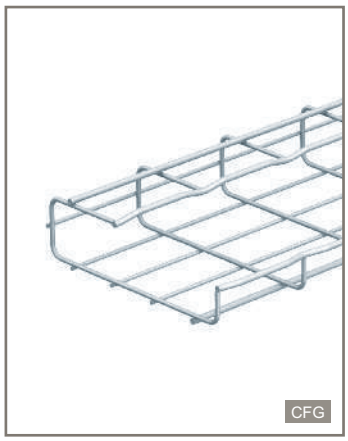


Key :
- EZ Electrogalvanising after manufacture
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

straight lengths – CFG



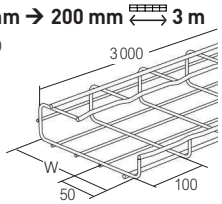
Dimensions and technical information **p. 44**

NOTE : please use Cat. No. when placing your order

CFG – straight lengths (3 m)

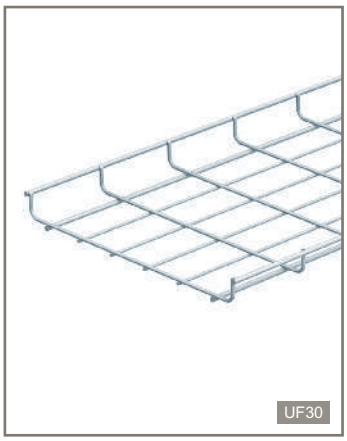
50 mm 100 mm → 200 mm 3 m

Pack	Cat. Nos. EZ	Cat. Nos. GC		Width (mm)
1	CM003221	CM003223	CFG50/100	100
1	CM003231	CM003233	CFG50/150	150
1	CM003241	CM003243	CFG50/200	200



straight lengths – UF30

for underfloor, light duty applications



Dimensions and technical information **p. 44**

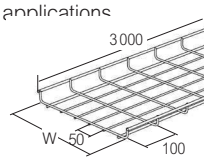
NOTE : please use Cat. No. when placing your order

UF30 – straight lengths (3 m)

30 mm 300 mm → 500 mm 3 m

For underfloor, light duty applications

Pack	Cat. Nos. EZ	Cat. Nos. GC		Width (mm)
1	CM430161	–	UF30/300	300
1	CM430181	–	UF30/400	400
1	CM430201	–	UF30/500	500



Key :

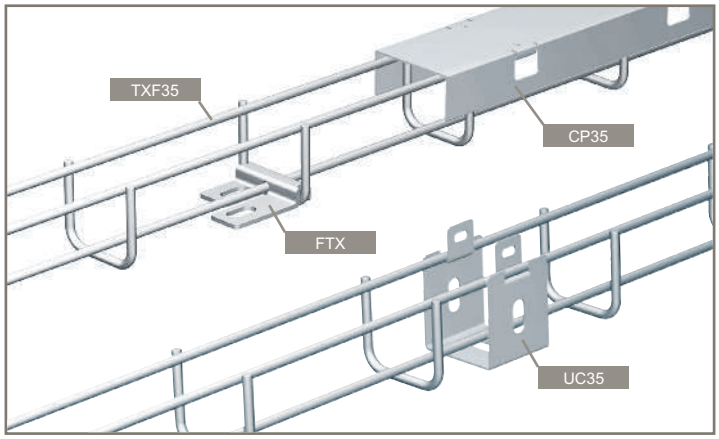
EZ Electrogalvanising after manufacture

GC Hot dip galvanised after manufacture

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

mini steel wire cable tray – TXF35



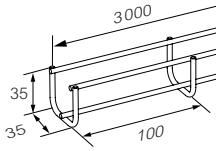
Dimensions and technical information **p. 45**

NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.			
1	EZ CM755001	GC CM755003	304L CM755008	
1			316L CM755004	

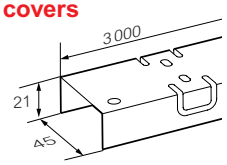
TXF35 – straight lengths (3 m)

35 mm 35 mm 3 m



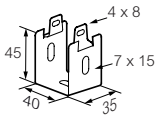
Pack	Cat. Nos.		
1	GS CM755100	GC CM755103	316L CM755104

CP35 – covers



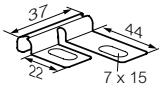
Pack	Cat. Nos.		
1	GS CM586160	GC CM586163	316L CM586164

UC35 – base fixing plates

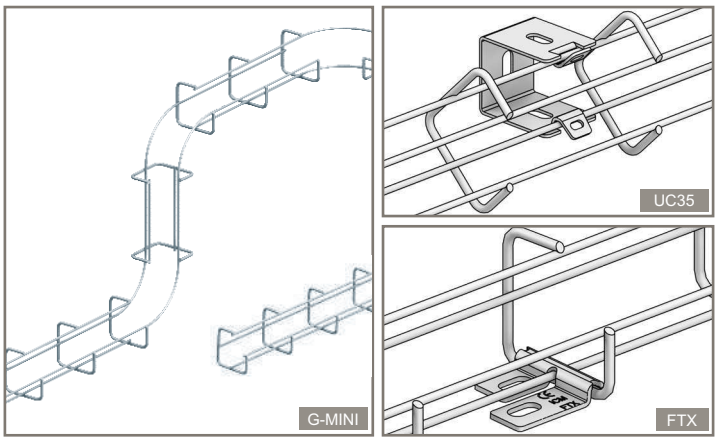


Pack	Cat. Nos.		
1	GS CM586180	DC CM586183	316L CM586184

FTX – base fixing plates



flexible steel wire cable tray – G-MINI



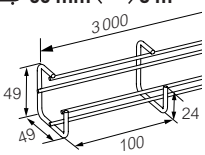
Dimensions and technical information **p. 45**

NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.		
1	EZ CM430111	GC -	316L CM430114

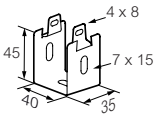
G-MINI – straight lengths (3 m)

50 mm 50 mm 3 m



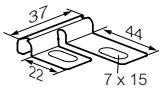
Pack	Cat. Nos.		
1	GS CM586160	GC CM586163	316L CM586164

UC35 – base fixing plates



Pack	Cat. Nos.		
1	GS CM586180	DC CM586183	316L CM586184

FTX – base fixing plates



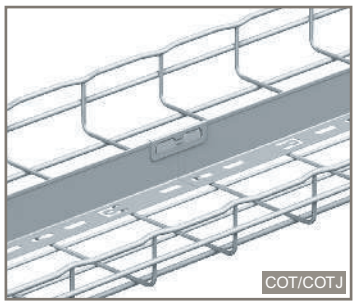
Key :

- EZ Electrogalvanising after manufacture
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

straight length dividers – COT / COT J

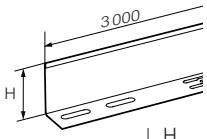


Dimensions and technical information **p. 46**

NOTE : please use Cat. No. when placing your order

COT – dividers (3 m)

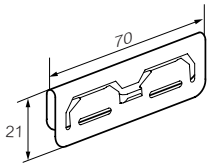
30 → 105 mm 100 → 600 mm



Pack	Cat. Nos. GS	Cat. Nos. GC	Cat. Nos. 316L		H mm
				For tray depth 30 mm (CF30)	
1	CM923010	CM923013	CM923014	COT30	24
				For tray depth 54 mm (CF54)	
1	CM923020	CM923023	CM923024	COT50	48
				For tray depth 80 mm (CF80)	
1	CM923030	CM923033	–	COT75	72
				For tray depth 105 mm (CF105)	
1	CM923040	CM923043	CM923044	COT100	96

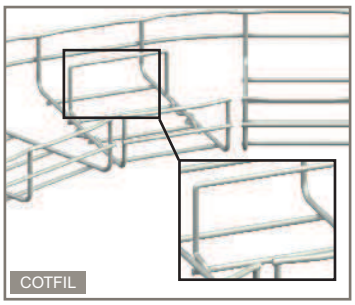
COT J – divider connectors

30 → 105 mm 100 → 600 mm



	GS	GC	316L
1	CM923050	-	CM923054

bend dividers – COTFIL

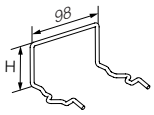


Dimensions and technical information **p. 46**

NOTE : please use Cat. No. when placing your order

COTFIL – bend dividers

30 → 105 mm 100 → 600 mm



Pack	Cat. Nos. EZ	Cat. Nos. GC	Cat. Nos. 304L		H mm
				For tray depth 30 mm (CF30)	
1	CM586711	–	CM586718	COTFIL30	24
				For tray depth 54 mm (CF54)	
1	CM586721	–	CM586728	COTFIL50	44
				For tray depth 80 mm (CF80)	
1	CM586731	–	CM586738	COT75	71
				For tray depth 105 mm (CF105)	
1	CM586741	–	CM586748	COTFIL100	94

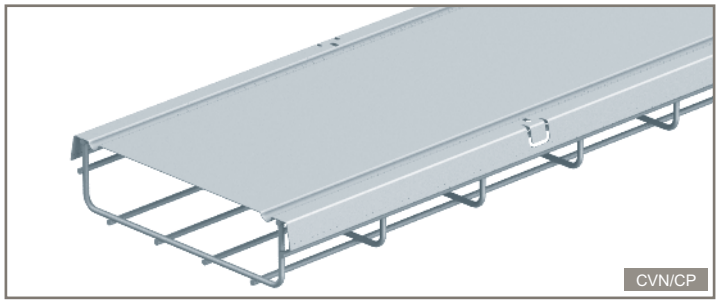
Key :

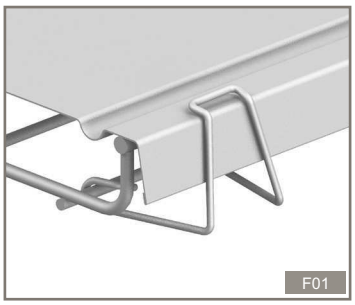
- EZ Electrogalvanising after manufacture
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

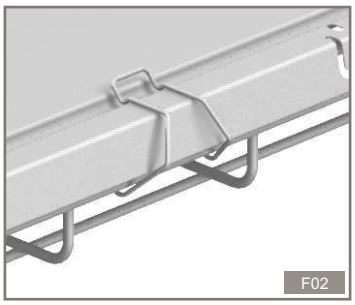
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

covers and clips – CVN - CP - F01 - F02 - F03







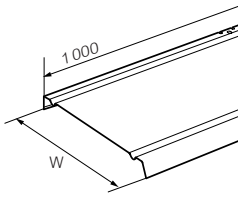
Dimensions and technical information **p. 47**

NOTE : please use Cat. No. when placing your order

CVN – covers

30 → 105 mm 50 → 600 mm 1 m
Supplied in packs of 3 x 1 m lengths

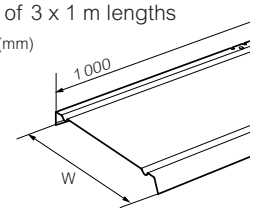
Pack	Cat. Nos. GS	Cat. Nos. GC		Width (mm)
1	CM629050	CM629053	CVN50	50
1	CM629100	CM629103	CVN100	100
1	CM629150	CM629153	CVN150	150
1	CM629200	CM629203	CVN200	200
1	CM629300	CM629303	CVN300	300
1	CM629400	CM629403	CVN400	400
1	CM629450	CM629453	CVN450	450
1	CM629500	CM629503	CVN500	500
1	CM629600	CM629603	CVN600	600



CVN stainless steel – covers

30 → 105 mm 50 → 600 mm 1 m
Supplied in packs of 3 x 1 m lengths

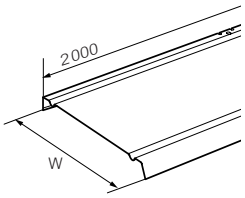
Pack	Cat. Nos. 304L	Cat. Nos. 316L		Width (mm)
1	CM629058	CM629054	CVN50	50
1	CM629108	CM629104	CVN100	100
1	–	CM629154	CVN150	150
1	–	CM629204	CVN200	200



CP – covers

30 → 105 mm 50 → 600 mm 2 m
Supplied in packs of 1 x 2 m lengths

Pack	Cat. Nos. GS	Cat. Nos. GC		Width (mm)
1	CM646010	CM646013	CP50	50
1	CM646020	CM646023	CP100	100
1	CM646030	CM646033	CP150	150
1	CM646040	CM646043	CP200	200
1	CM646050	CM646053	CP300	300
1	CM646060	CM646063	CP400	400
1	CM646090	CM646093	CP450	450
1	CM646070	CM646073	CP500	500
1	CM646080	CM646083	CP600	600

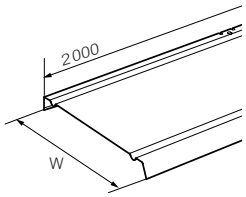


NOTE : please use Cat. No. when placing your order

CP stainless steel – covers

30 → 105 mm 50 → 600 mm 2 m
Supplied in packs of 1 x 2 m lengths

Pack	Cat. Nos. 304L	Cat. Nos. 316L		Width (mm)
1	–	CM646014	CP50	50
1	-	CM646024	CP100	100
1	-	CM646034	CP150	150
1	-	CM646044	CP200	200
1	-	CM646054	CP300	300
1	-	CM646064	CP400	400
1	-	CM646094	CP450	450
1	-	CM646074	CP500	500
1	-	CM646084	CP600	600



F01 – cover clip

For 30 mm tray (CF30)

Pack	Cat. Nos. GS	Cat. Nos. 316L
25	CM646220	CM646224

F02 – cover clip

For 54 mm tray (CF54) and 105 mm tray (CF105)

Pack	Cat. Nos. GS	Cat. Nos. 316L
25	CM646200	CM646204

F03 – cover clip

For 80 mm tray (CF80)

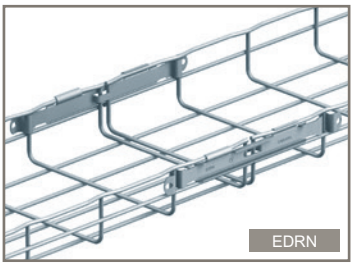
Pack	Cat. Nos. GS	Cat. Nos. 316L
25	CM646210	–

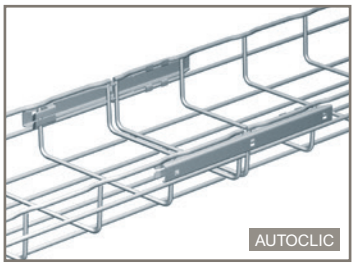
Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

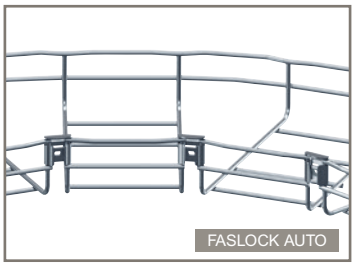
For detailed information related to finishes, refer to **p. 116-117**

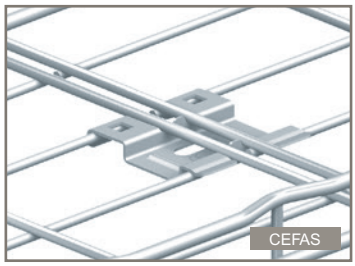
All dimensions (mm) are nominal

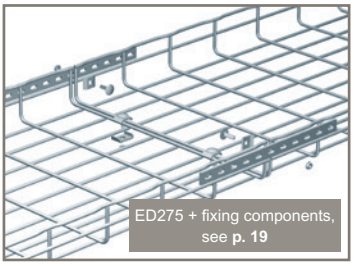
couplers and connectors – EDRN - AUTOCLIC - ED275/1100 - FASLOCK AUTO - CEFAS - R15/25/35

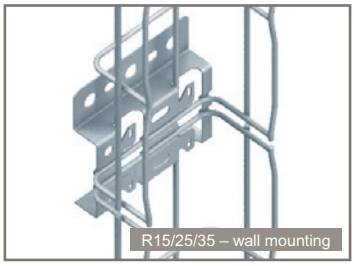

EDRN


AUTOCLIC


FASLOCK AUTO


CEFAS


ED275 + fixing components, see **p. 19**


R15/25/35 – wall mounting

Dimensions and technical information **p. 48-51**

NOTE : please use Cat. No. when placing your order

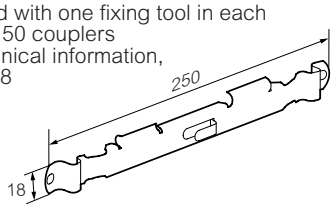
EDRN – couplers

30 → 150 mm 50 → 600 mm

Supplied with one fixing tool in each pack of 50 couplers

For technical information, see p. 48

Pack	Cat. Nos. EZ	Cat. Nos. DC
50	CM558241	CM558247
	304L	316L
50	-	CM558244



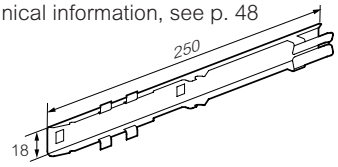
AUTOCLIC – couplers

54 / 105 mm 50 → 600 mm

Rapid fit with screwdriver (not included)

For technical information, see p. 48

	GS	GC
50	CM558280	CM558283
	304L	316L
50	CM558288	CM558284

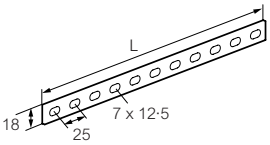


ED275 – joint strips

54 / 105 / 150 mm 50 → 600 mm

For technical information, see p. 49

	EZ	GC		L (mm)
50	CM558221	CM558223	ED275	275
	304L	316L		
50	CM558228	CM558224	ED275	275

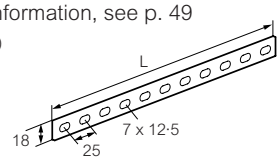


ED1100 – joint strips

54 / 105 / 150 mm 50 → 600 mm

For technical information, see p. 49

	EZ	GC		L (mm)
1	CM558201	CM558203	ED1100	1100
	304L	316L		
1	-	CM558204	ED1100	1100



Key :

- EZ – Electrogalvanising after manufacture
- GS – Pre-galvanised
- GC – Hot dip galvanised after manufacture
- Z+ – Continuous galvanisation before manufacture
- DC – Geomet
- 304L – Stainless steel 304L
- 316L – Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

NOTE : please use Cat. No. when placing your order

FASLOCK AUTO – connectors

30 → 150 mm 100 → 600 mm

For technical information, see p. 49

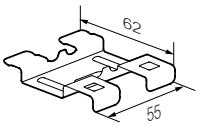
Pack	Cat. Nos. EZ (NEW)	Cat. Nos. DC	
25	CM558340	CM558347	FASLOCK S 100 → 200 mm
25	CM558320	CM558327	FASLOCK XL 300 → 600 mm
	304L	316L	
25	-	CM558344	FASLOCK S 100 → 200 mm
25	-	CM558324	FASLOCK XL 300 → 600 mm

CEFAS – base couplers

30 → 150 mm 100 → 600 mm

For technical information, see p. 50

	GS	DC
50	CM558410	CM558417
	304L	316L
50	-	CM558414

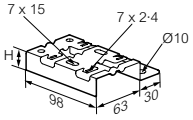


R15 / R25 / R35 – stand-off brackets

30 → 105 mm 100 → 600 mm

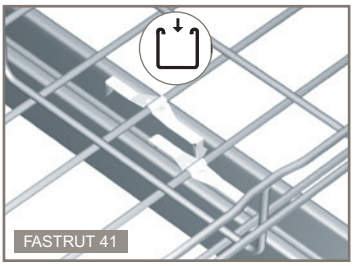
For technical information, see p. 50

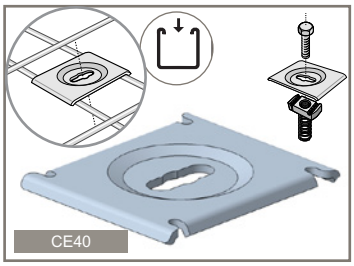
	GS	Z+		H mm	F daN
1	CM586170	CM586173	R15/100	15	100
1	CM586610	CM586617	R15/300	15	100
1	CM586640	CM586647	R25	25	100
1	CM586650	CM586657	R35	35	
	304L	316L			
1	–	CM586174	R15/100	15	100



All dimensions (mm) are nominal

channel strut clips – FASTRUT 41 / CE40





Dimensions and technical information **p. 48-51**

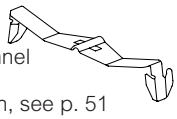
NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.		
	DC	316L	
50	CM599007	CM599004	

FASTRUT 41 – channel strut clip

30 / 54 / 105 mm **100 → 600 mm**

Use to secure steel wire cable tray to channel section or channel type cantilever arms
For technical information, see p. 51

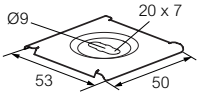


Pack	Cat. Nos.		F daN
	EZ	DC	
25	CM558051	CM558053	100
	304L	316L	
25	CM558058	CM558054	100

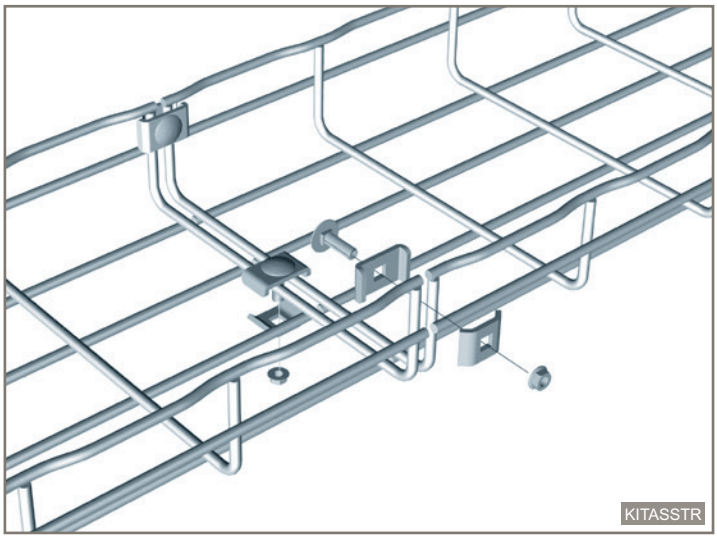
CE40 – hold down clamps

30 → 150mm **100 → 600 mm**

For technical information, see p. 69



fixing kits and components – KITS - CE25/ CE30



Dimensions and technical information **p. 51**

NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.	
	EZ	GC
50	CM558081	CM558087
	EZ	
50	CM558071	-

KITS – fixing kits

30 → 150 mm **50 → 600 mm**

KITASSTR
CE25+CE30+BTRCC 6 x 20
Kits comprise large clamp plate, small clamp plate, M6 nut and M6 x 20 coach bolt

KITASSVS
CE25VS+CE30ES
Kits comprise large clamp plate with integrated nut and small clamp plate with integrated bolt

Pack	Cat. Nos.	
	304L	316L
50	-	CM558954

KITS – stainless steel fixing kits

30 → 150 mm **50 → 600 mm**

KITINOX stainless steel
CE25VS+CE30+EEC6
Kits comprise large clamp plate, small clamp plate with integrated bolt and M6 nut

Pack	Cat. Nos.		
	EZ	DC	
100	CM801011	CM801017	BTRCC 6 x 20
50	CM558011	CM558013	CE25
50	CM558041	CM558043	CE30

CE25 / CE30 – fixing components

30 → 150 mm **50 → 600 mm**

BTRCC 6 X 20
CE 25
CE 30

Pack	Cat. Nos.		
	304L	316L	
100	CM801018	CM801014	BTRCC 6 x 20
50	CM558018	CM558014	CE25
50	CM558048	CM558044	CE30

CE25 / CE30 stainless steel – fixing components

30 → 150 mm **50 → 600 mm**

BTRCC 6 X 20
CE 25
CE 30

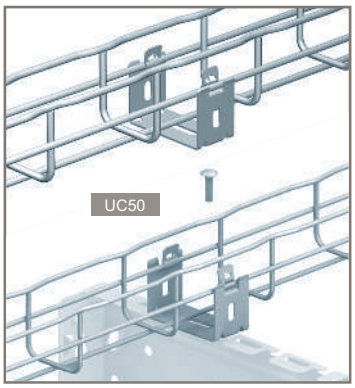
Key :

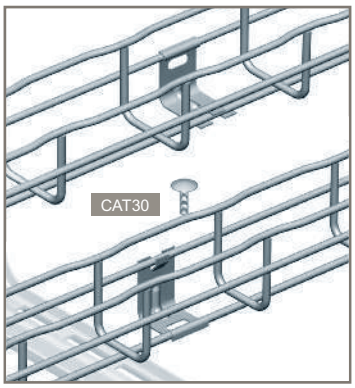
- EZ Electrogalvanising after manufacture
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

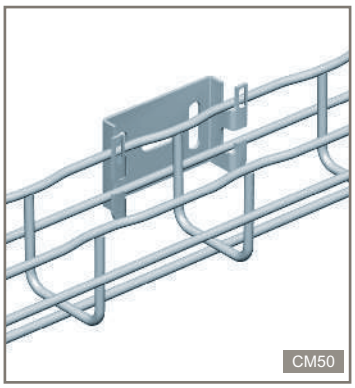
For detailed information related to finishes, refer to **p. 116-117**

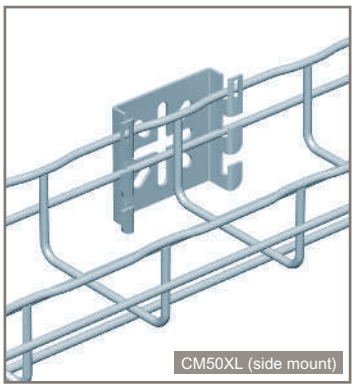
All dimensions (mm) are nominal

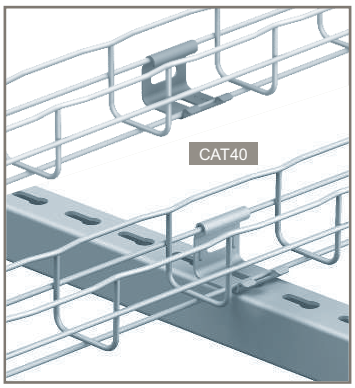
wall mounting – UC50 - CAT30 - CAT40 - CM50 - CM50XL

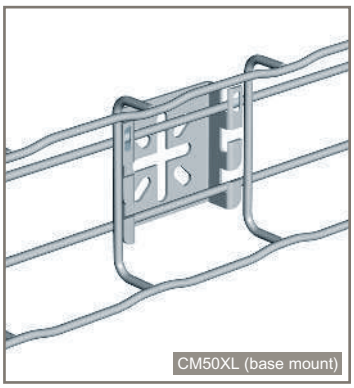












Dimensions and technical information **p. 52-55**

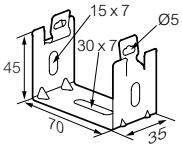
NOTE : please use Cat. No. when placing your order

UC50 – support cradles

Pack	GS	GC	daN
1	CM586040	CM586043	12
1	304L CM586048	316L CM586044	12

30 → 54 mm 50 mm

For technical information, see p. 52

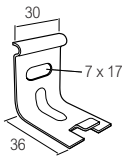


CAT30 – cantilever arm fixing plates

Pack	GS	DC	daN
1	CM586050	CM586057	20

30 → 54 mm 50 mm

For technical information, see p. 53

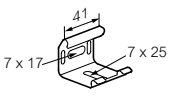


CAT40 – channel fixing plates

Pack	GS	DC	daN
1	CM586190	CM586197	20
1	304L –	316L CM586194	20

30 → 54 mm 50 mm

For technical information, see p. 54



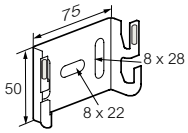
NOTE : please use Cat. No. when placing your order

CM50 – universal mounting plates (small)

Pack	GS	GC
1	CM586060	CM586063
1	304L CM586068	316L CM586064

54 mm 50 mm

For technical information, see p. 55



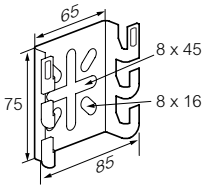
CM50XL – universal mounting plates (large)

	GS	GC
1	CM586130	CM586133
1	304L CM586138	316L CM586134

54 → 80 mm 50 → 100 mm (side wire mounting)

30 → 105 mm 100 → 600 mm (base wire mounting)

For technical information, see p. 55



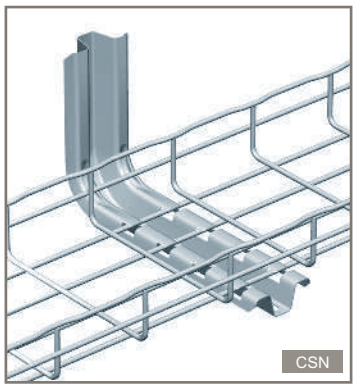
Key :

- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

wall mounting – CSN - CSNC



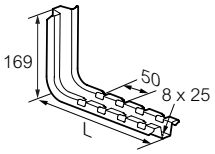
Dimensions and technical information **p. 56-57**

NOTE : please use Cat. No. when placing your order

CSN – profile cantilever arms

30 → 54 mm 100 → 450 mm
For technical information, see p. 56

Pack	Cat. Nos. GS	Cat. Nos. GC		L mm	F daN
1	CM556100	CM556103	CSN100	178	30
1	CM556110	CM556113	CSN150	228	110
1	CM556120	CM556123	CSN200	278	85
1	CM556130	CM556133	CSN300	378	73
1	CM556140	CM556143	CSN400	478	56
1	CM556150	CM556153	CSN450	528	50
	304L	316L			
1	CM556108	CM556104	CSN100	178	30
1	CM556118	CM556114	CSN150	228	110
1	CM556128	CM556124	CSN200	278	85
1	CM556138	CM556134	CSN300	378	73

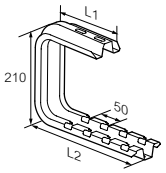


NOTE : please use Cat. No. when placing your order

CSNC – profile roof cantilever arms

30 → 54 mm 100 → 450 mm
For technical information, see p. 57

Pack	Cat. Nos. GS	Cat. Nos. GC		L1 mm	L2 mm	F daN
1	CM556300	CM556303	CSNC100	170	178	120
1	CM556310	CM556313	CSNC150	170	228	100
1	CM556320	CM556323	CSNC200	170	278	80
1	CM556330	CM556333	CSNC300	288	378	70
1	CM556340	CM556343	CSNC400	288	478	48
1	CM556350	CM556353	CSNC450	288	528	44
	304L	316L				
1	-	CM556304	CSNC100	170	178	120
1	-	CM556314	CSNC150	170	228	100
1	-	CM556324	CSNC200	170	278	80



EPVCSN – end caps

Pack	PVC
1	CM559605

For use with CSN and CSNC cantilever arms

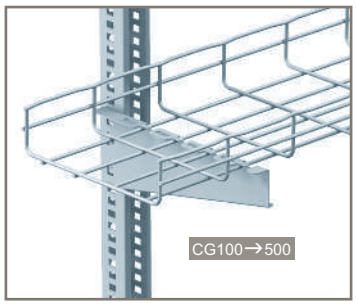
Key :

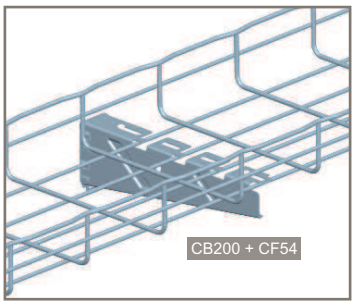
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

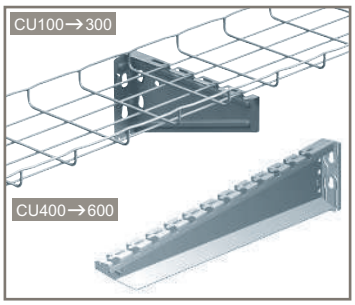
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

wall mounting – CG - CB - CU







Dimensions and technical information **p. 58-61**

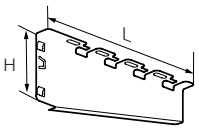
NOTE : please use Cat. No. when placing your order

CG – cantilever arms for rail / pendant mounting only

30→54 mm 100→500 mm

For technical information, see p. 58-59

Pack	Cat. Nos. GS	Cat. Nos. GC	Cat. Nos. 316L		L mm	H mm	F daN	For tray widths mm
1	CM557920	-	CM557924	CG100	153	73	55	100
1	CM557930	-	CM557934	CG150	203	73	50	150
1	CM557940	-	CM557944	CG200	253	87	65	200
1	CM557950	-	CM557954	CG300	353	87	70	300
1	CM557960	-	CM557964	CG400	453	103	100	400
1	CM557970	-	CM557974	CG500	553	103	85	500



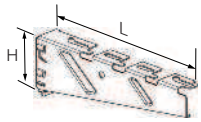
COMING SOON

CB – compact cantilever arms for universal mounting

30→54 mm 50→400 mm

For technical information, see p. 59

Pack	Cat. Nos. GC	Cat. Nos. 316L		L mm	H mm	F daN	For tray widths mm
1	CM350803	CM350804	CB50	81	71	95	50
1	CM350813	CM350814	CB100	131	71	110	100
1	CM350823	CM350824	CB150	181	75	110	150
1	CM350833	CM350834	CB200/250	231	75	110	200/250
1	CM350843	CM350844	CB300	335	88	120	300
1	CM350853	CM350854	CB400	435	102	120	400



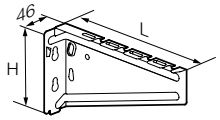
NOTE : please use Cat. No. when placing your order

CU – cantilever arms for universal mounting

30→150 mm 100→300 mm

For technical information, see p. 60-61

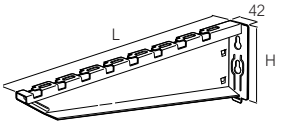
Pack	Cat. Nos. GS	Cat. Nos. GC	Cat. Nos. 316L		L mm	H mm	daN	daN	For tray widths mm
1	CM557400	CM557403	CM557404	CU50	107	85	30	65	50
1	CM557410	CM557413	CM557414	CU100	157	85	30	45	100
1	CM557420	CM557423	CM557424	CU150	207	124	70	135	150
1	CM557430	CM557433	CM557434	CU200	257	139	80	110	200
1	CM557440	CM557443	CM557444	CU300	357	139	80	120	300



30→150 mm 400→600 mm

For technical information, see p. 60-61

Pack	Cat. Nos. GS	Cat. Nos. GC	Cat. Nos. 316L		L mm	H mm	daN	daN	For tray widths mm
1	CM557450	CM557453	CM557454	CU400	457	138	105	115	400
1	CM557460	CM557463	CM557464	CU500	557	138	220	160	500
1	CM557470	CM557473	CM557474	CU600	657	138	200	145	600



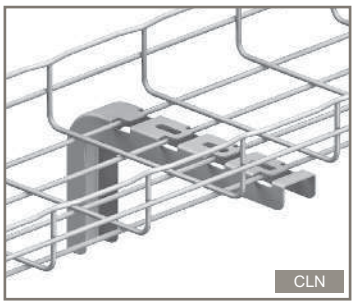
Key :

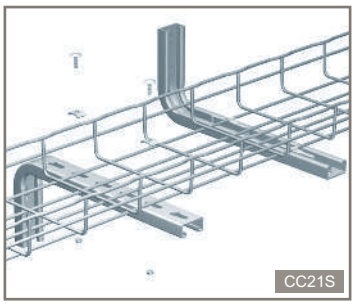
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 316L Stainless steel 316L

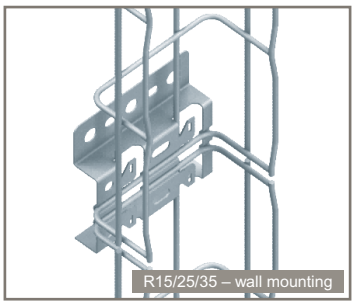
For detailed information related to finishes, refer to **p. 116-117**

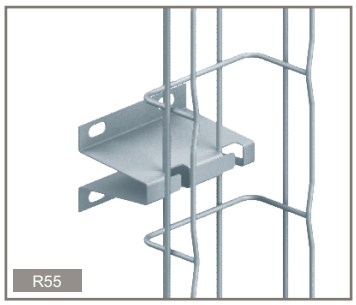
All dimensions (mm) are nominal

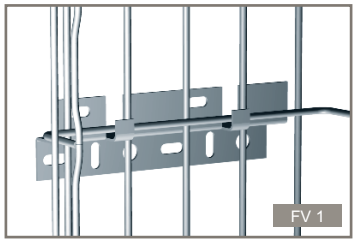
wall mounting – CLN - CC21S - R15/25/35 - R55 - FV1











Dimensions and technical information **p. 62-64**

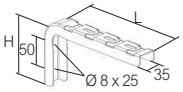
NOTE : please use Cat. No. when placing your order

CLN – cantilever arms

30 → 54 mm **100 → 300 mm**

For technical information, see p. 62

Pack	Cat. Nos. GS	Cat. Nos. GC		L mm	H mm	F daN
1	CM556200	CM556203	CLN100	100	125	95
1	CM556210	CM556213	CLN150	150	125	70
1	CM556220	CM556223	CLN200	200	125	40
1	CM556230	CM556233	CLN300	300	125	25

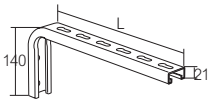


CC21S – cantilever arms

30 → 105 mm **100 → 400 mm**

For technical information, see p. 62

Pack	Cat. Nos. GS	Cat. Nos. 316L		L mm	F daN
1	CM557860	CM557864	CC21S 150	150	135
1	CM557870	CM557874	CC21S 200	200	108
1	CM557880	CM557884	CC21S 300	300	80
1	CM557890	CM557894	CC21S 400	400	92



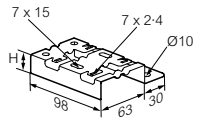
NOTE : please use Cat. No. when placing your order

R15 / R25 / R35 – stand-off brackets

30 → 105 mm **100 → 600 mm**

For technical information, see p. 63

Pack	Cat. Nos. GS	Cat. Nos. Z+	Cat. Nos. 316L		H mm	F daN
1	CM586170	CM586173	CM586174	R15/100	15	100
1	CM586610	CM586617	-	R15/300	15	100
1	CM586640	CM586647	-	R25	25	100
1	CM586650	CM586657	-	R35	35	50

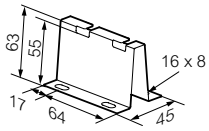


R55 – stand-off brackets

30 → 105 mm **100 → 600 mm**

For technical information, see p. 63

Pack	Cat. Nos. GS	Cat. Nos. Z+	Cat. Nos. 316L	H mm	F daN
1	CM586080	CM586083	CM586084	55	45

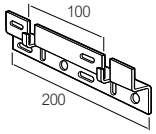


FV1 – mounting brackets

30 → 105 mm **100 → 600 mm**

For technical information, see p. 64

Pack	Cat. Nos. GS	Cat. Nos. DC	Cat. Nos. 316L	F daN
1	CM586070	CM586073	CM586074	100



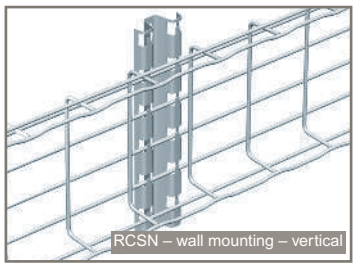
Key :

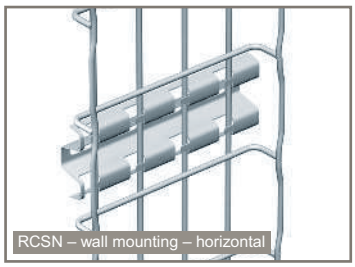
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- Z+ Continuous galvanisation before manufacture
- 316L Stainless steel 316L
- DC Geomet

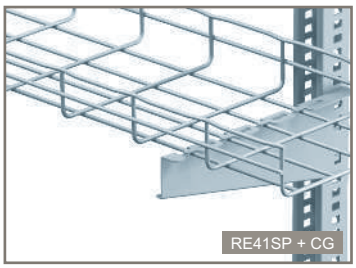
For detailed information related to finishes, refer to **p. 116-117**

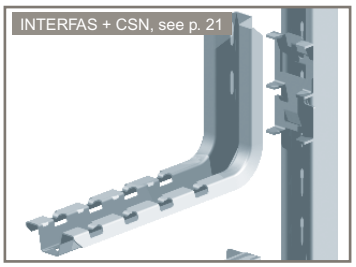
All dimensions (mm) are nominal

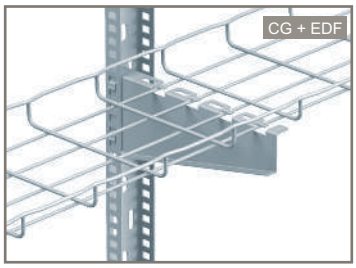
wall mounting – RCSN - EDF - RE41SP - INTERFAS - CA

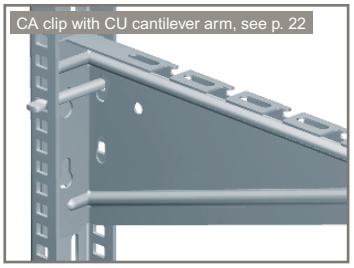

RCSN – wall mounting – vertical


RCSN – wall mounting – horizontal


RE41SP + CG


INTERFAS + CSN, see p. 21


CG + EDF


CA clip with CU cantilever arm, see p. 22

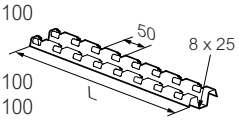
Dimensions and technical information **p. 56, 58-61, 65**

NOTE : please use Cat. No. when placing your order

RCSN – fast fix support rails

30 → 105 mm 100 → 600 mm
For technical information, see p. 65

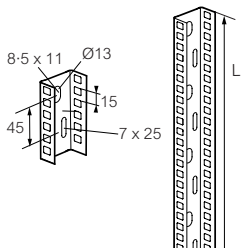
Pack	Cat. Nos. GS	Cat. Nos. GC		L mm	F daN
1	CM013150	CM013153	RCSN150	150	100
1	CM013200	CM013203	RCSN200	200	100
1	CM013300	CM013303	RCSN300	300	100
1	CM013400	CM013403	RCSN400	400	100
1	CM013500	CM013503	RCSN500	500	100
1	CM013550	CM013553	RCSN550	550	100
1	CM013600	CM013603	RCSN600	600	100
1	CM013010	CM013013	RCSN1000	1000	100
1	CM013020	CM013023	RCSN2000	2000	100
1	CM013030	CM013033	RCSN3000	3000	100
	304L	316L			
1	–	CM013154	RCSN150	150	100
1	–	CM013204	RCSN200	200	100
1	–	CM013304	RCSN300	300	100
1	–	CM013404	RCSN400	400	100
1	–	CM013504	RCSN500	500	100
1	–	–	RCSN550	550	100
1	–	CM013604	RCSN600	600	100
1	–	CM013014	RCSN1000	1000	100
1	CM013028	CM013024	RCSN2000	2000	100
1	CM013038	CM013034	RCSN3000	3000	100



EDF – pendants / mounting rails

30 → 150 mm 100 → 600 mm
For technical information, see p. 58-61

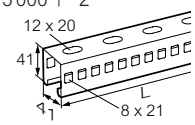
Pack	Cat. Nos. GS	Cat. Nos. GC		L mm
1	CM557610	CM557613	EDF600	600
1	CM561090	CM561093	EDF1000	1 000
1	CM561010	CM561013	EDF2000	2 000
1	CM561020	CM561023	EDF3000	3 000
	304L	316L		
1	CM561018	CM561014	EDF2000	2 000



RE41SP – pendants / mounting rails (heavy duty)

30 → 150 mm 100 → 600 mm
For technical information, see p. 60-61

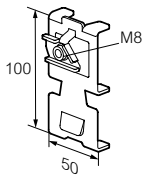
Pack	Cat. Nos. GS		L mm	mm
1	CM595750	RE41SP500	500	2
1	CM595780	RE41SP800	800	2
1	CM595790	RE41SP1000	1 000	2
1	CM595700	RE41SP3000	3 000	2



INTERFAS – adaptor plates

Used for connecting CSN profile cantilever arms to channel length
For technical information, see p. 56

Pack	GS	DC	316L
1	CM557800	CM557803	–



CA 8 x 75 – fixing pins

Use in conjunction with CU50-300 cantilever arms and EDF pendants/ mounting rails
For technical information, see p. 60

Pack	EZ	DC	316L		Diameter
50	CM801051	CM801057	CM801054	CA 8 x 75	Ø 8

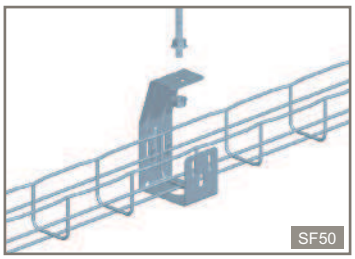
Key :

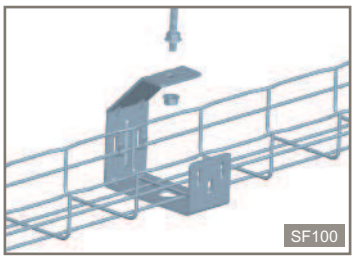
- EZ Electrogalvanising after manufacture
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

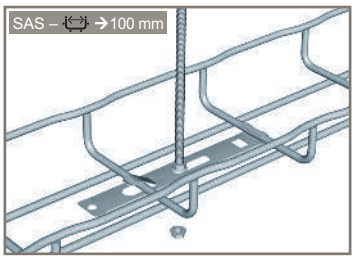
For detailed information related to finishes, refer to **p. 116-117**

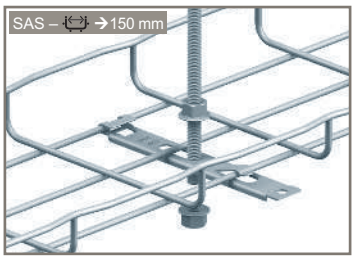
All dimensions (mm) are nominal

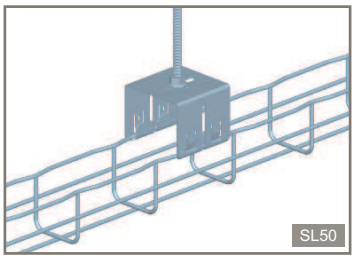
ceiling mounting – SF50 - SF100 - SL50 - CEQ - UC50 - SAS - CE40 - CM50XL

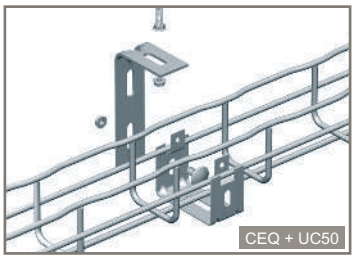


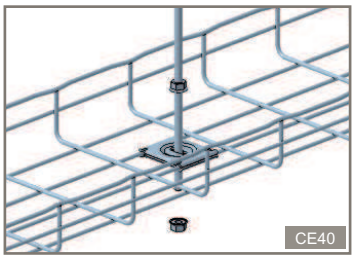


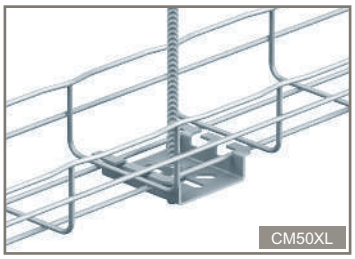












Dimensions and technical information **p. 66-69**

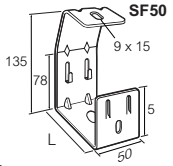
NOTE : please use Cat. No. when placing your order

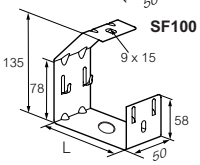
SF50 - SF100 – central hangers

↕ 30 → 54 mm ↔ 50 → 100 mm

For technical information, see p. 66

Pack	GS	GC		F daN	L mm
1	CM586140	CM586143	SF50	30	73
1	CM586100	CM586103	SF100	26	134
	304L	316L			
1	-	CM586144	SF50	30	73
1	-	CM586104	SF100	26	134



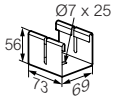


SL50 – multifix base plate

↕ 30 → 54 ↔ 50 mm

For technical information, see p. 66

Pack	GS	H mm	F daN
1	CM585180	56	150

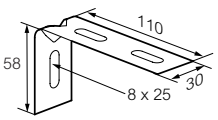


CEQ – central hanger brackets

↕ 30 → 54 mm ↔ 50 mm

For technical information, see p. 67

Pack	GS	GC	F daN
1	CM557300	CM557303	12
	304L	316L	
1	-	CM557304	12

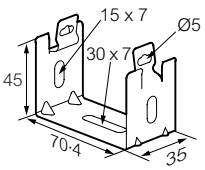


UC50 – support cradles

↕ 30 → 54 mm ↔ 50 mm

For technical information, see p. 67

Pack	GS	GC	F daN
1	CM586040	CM586043	12
	304L	316L	
1	CM586048	CM586044	12



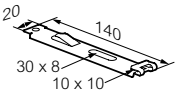
NOTE : please use Cat. No. when placing your order

SAS – suspension hangers

↕ 30 → 54 mm ↔ 100 → 150 mm

For technical information, see p. 68

Pack	EZ	DC	F daN
1	CM586031	CM586037	60

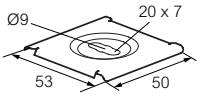


CE40 – hold down clamps

↕ 30 → 54 mm ↔ 100 → 200 mm

For technical information, see p. 69

Pack	EZ	DC	F daN
25	CM558051	CM558053	100
	304L	316L	
25	CM558058	CM558054	100

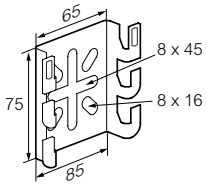


CM50XL – universal mounting plates (large)

↕ 30 → 54 mm ↔ 100 → 200 mm

For technical information, see p. 69

Pack	GS	GC	F daN
1	CM586130	CM586133	100
	304L	316L	
1	CM586138	CM586134	100



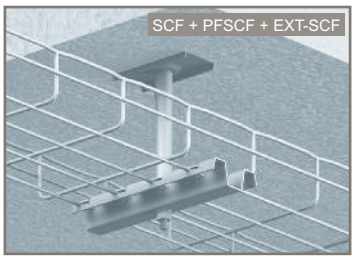
Key :

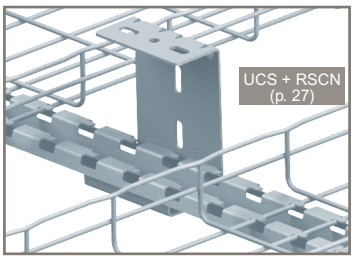
- EZ Electrogalvanising after manufacture
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

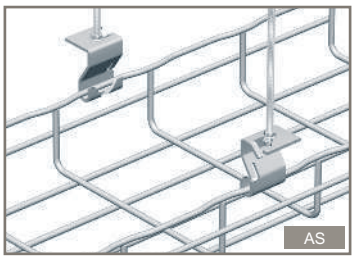
For detailed information related to finishes, refer to **p. 116-117**

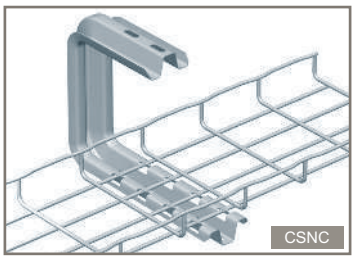
All dimensions (mm) are nominal

ceiling mounting – SCF - PFSCF - EXT-SCF - UCS - AS - CSNC









Dimensions and technical information **p. 70-73**

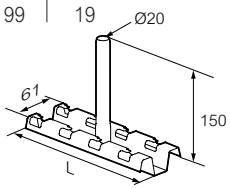
NOTE : please use Cat. No. when placing your order

SCF – central hangers

30 → 54 mm 200 → 600 mm

For technical information, see p. 70

Pack	Cat. Nos. GS	Cat. Nos. GC		L mm	F daN	F daN
1	CM586200	-	SCF200	194	200	37
1	CM586300	-	SCF300	294	160	29
1	CM586400	-	SCF400	394	141	23
1	CM586450	-	SCF450	444	130	20
1	CM586500	-	SCF500	494	121	20
1	CM586600	-	SCF600	594	99	19

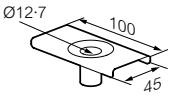


PFSCF – locating ceiling plate

30 → 54 mm 200 → 600 mm

For technical information, see p. 70

Pack	Cat. Nos. GS	Cat. Nos. GC	L mm
1	CM586210	-	100



EXT-SCF – rod sheaths

30 → 54 mm 200 → 600 mm

For technical information, see p. 70

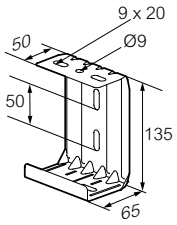
Pack	Cat. Nos. GS	Cat. Nos. GC		L mm	H mm
1	CM586810	-	EXT-SCF 50	50	200
1	CM586820	-	EXT-SCF 100	100	250
1	CM586830	-	EXT-SCF 150	150	300
1	CM586840	-	EXT-SCF 325	325	475

UCS – ceiling support brackets

30 → 54 mm 50 → 300 mm

For technical information, see p. 71

Pack	Cat. Nos. GS	Cat. Nos. GC		L mm	daN.m
1	CM586150	CM586153		100	18
	304L	316L			
	-	CM586154		100	18



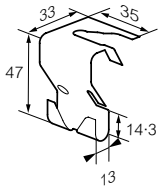
NOTE : please use Cat. No. when placing your order

AS – suspension hooks

30 → 105 mm 100 → 600 mm

For technical information, see p. 72

Pack	Cat. Nos. GS	Cat. Nos. DC	F daN
1	CM586020	CM586023	100
	304L	316L	
1	-	CM586024	100

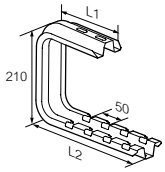


CSNC – profile roof cantilever arms

30 → 105 mm 100 → 450 mm

For technical information, see p. 73

Pack	Cat. Nos. GS	Cat. Nos. GC		L1 mm	L2 mm	F daN
1	CM556300	CM556303	CSNC100	170	178	120
1	CM556310	CM556313	CSNC150	170	228	100
1	CM556320	CM556323	CSNC200	170	278	80
1	CM556330	CM556333	CSNC300	288	378	70
1	CM556340	CM556343	CSNC400	288	478	48
1	CM556350	CM556353	CSNC450	288	528	44
	304L	316L				
1	-	CM556304	CSNC100	170	178	120
1	-	CM556314	CSNC150	170	228	100
1	-	CM556324	CSNC200	170	278	80



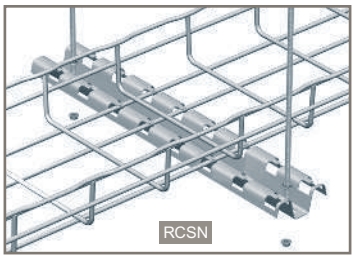
Key :

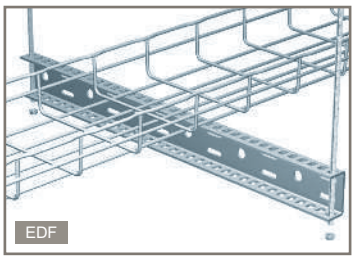
- GS Pre-galavanised
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

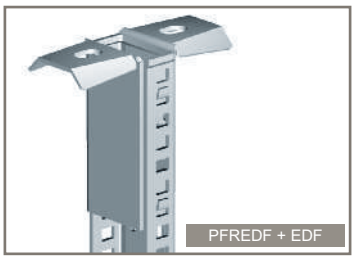
For detailed information related to finishes, refer to **p. 116-117**

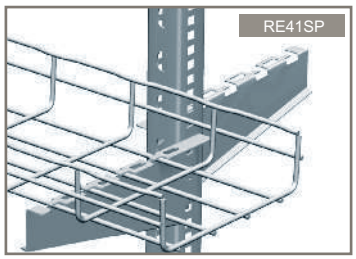
All dimensions (mm) are nominal

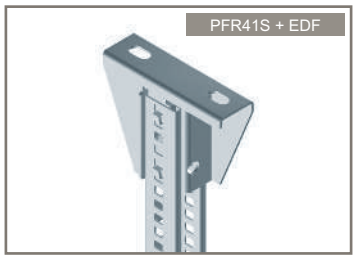
ceiling mounting – RCSN - EDF - PFREDF - RE41SP - PFR41S











Dimensions and technical information **p. 71, 74-77**

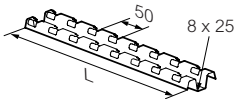
NOTE : please use Cat. No. when placing your order

RCSN – fast fix support rails

30 → 105 mm 100 → 600 mm

For technical information, see p. 71, 74

Pack	Cat. Nos. GS	Cat. Nos. GC		L mm
1	CM013150	CM013153	RCSN150	150
1	CM013200	CM013203	RCSN200	200
1	CM013300	CM013303	RCSN300	300
1	CM013400	CM013403	RCSN400	400
1	CM013500	CM013503	RCSN500	500
1	CM013550	CM013553	RCSN550	550
1	CM013600	CM013603	RCSN600	600
1	CM013010	CM013013	RCSN1000	1000
1	CM013020	CM013023	RCSN2000	2000
1	CM013030	CM013033	RCSN3000	3000
	304L	316L		
1	-	CM013154	RCSN150	150
1	-	CM013204	RCSN200	200
1	-	CM013304	RCSN300	300
1	-	CM013404	RCSN400	400
1	-	CM013504	RCSN500	500
1	-	-	RCSN550	550
1	-	CM013604	RCSN600	600
1	-	CM013014	RCSN1000	1000
1	CM013028	CM013024	RCSN2000	2000
1	CM013038	CM013034	RCSN3000	3000

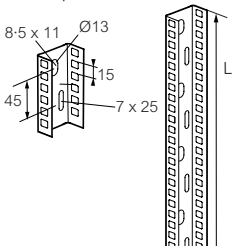


EDF – profile pendants / mounting rails

30 → 105 mm 100 → 600 mm

For technical information see p. 75-76

	GS	GC		L mm
1	CM561010	CM561013	EDF2000	2000
	304L	316L		
1	CM561018	CM561014	EDF2000	2000



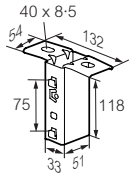
NOTE : please use Cat. No. when placing your order

PFREDF – pendant mounting plates

30 → 105 mm 100 → 600 mm

For technical information see p. 76

Pack	Cat. Nos. GS	Cat. Nos. GC	daN.m
1	CM561080	-	18
	304L	316L	
1	-	CM561084	18

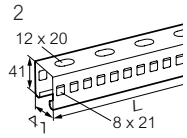


RE41SP – pendants / mounting rails (heavy duty)

30 → 105 mm 100 → 600 mm

For technical information see p. 77

	GS	L mm	mm
1	CM595750	RE41SP500	500	2
1	CM595780	RE41SP800	800	2
1	CM595790	RE41SP1000	1 000	2
1	CM595700	RE41SP3000	3 000	2

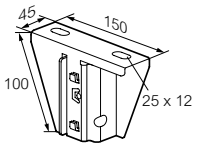


PFR41S – pendant mounting plate (heavy duty)

30 → 105 mm 100 → 600 mm

For technical information see p. 77

Pack	Cat. Nos. GS	F daN
50	CM595380	45



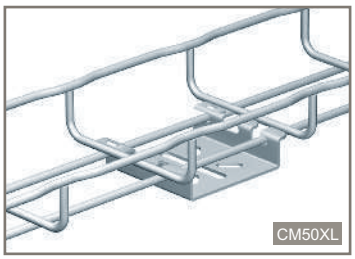
Key :

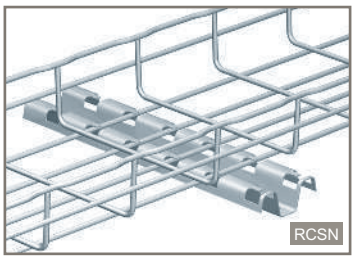
- GS Pre-galavanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

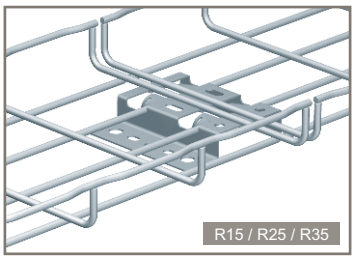
For detailed information related to finishes, refer to **p. 116-117**

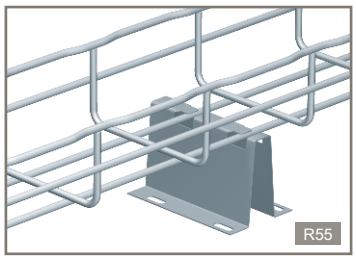
All dimensions (mm) are nominal

floor mounting – CM50XL - RCSN - R15/25/35 - R55









Dimensions and technical information **p. 78-79, 82-83**

NOTE : please use Cat. No. when placing your order

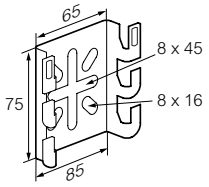
CM50XL – universal mounting plates (large)

30 → 150 mm 100 → 600 mm

For technical information, see p. 78

Pack	Cat. Nos. GS	Cat. Nos. GC
1	CM586130	CM586133

Pack	Cat. Nos. 304L	Cat. Nos. 316L
1	CM586138	CM586134



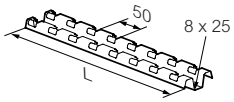
RCSN – fast fix support rails

30 → 150 mm 100 → 600 mm

For technical information, see p. 78, 82-83

Pack	GS	GC		L mm
1	CM013150	CM013153	RCSN150	150
1	CM013200	CM013203	RCSN200	200
1	CM013300	CM013303	RCSN300	300
1	CM013400	CM013403	RCSN400	400
1	CM013500	CM013503	RCSN500	500
1	CM013550	CM013553	RCSN550	550
1	CM013600	CM013603	RCSN600	600
1	CM013010	CM013013	RCSN1000	1000
1	CM013020	CM013023	RCSN2000	2000
1	CM013030	CM013033	RCSN3000	3000

Pack	304L	316L		L mm
1	-	CM013154	RCSN150	150
1	-	CM013204	RCSN200	200
1	-	CM013304	RCSN300	300
1	-	CM013404	RCSN400	400
1	-	CM013504	RCSN500	500
1	-	-	RCSN550	550
1	-	CM013604	RCSN600	600
1	-	CM013014	RCSN1000	1000
1	CM013028	CM013024	RCSN2000	2000
1	CM013038	CM013034	RCSN3000	3000



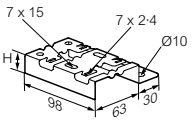
NOTE : please use Cat. No. when placing your order

R15 / R25 / R35 – stand-off brackets

30 → 105 mm 100 → 600 mm

For technical information, see p. 79

Pack	GS	Z+	316L		H mm
1	CM586170	CM586173	CM586174	R15/100	15
1	CM586610	CM586617	-	R15/300	15
1	CM586640	CM586647	-	R25	25
1	CM586650	CM586657	-	R35	35

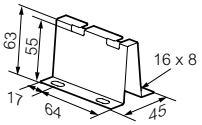


R55 – stand-off brackets

30 → 150 mm 100 → 600 mm

For technical information, see p. 79

Pack	GS	Z+	316L	H mm
1	CM586080	CM586083	CM586084	55



Key :

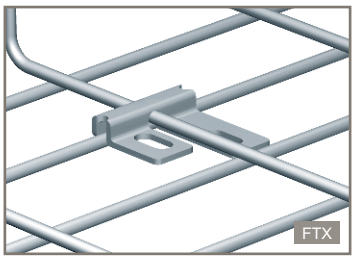
- GS Pre-galavanised
- GC Hot dip galvanised after manufacture
- Z+ Continuous galvanisation before manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

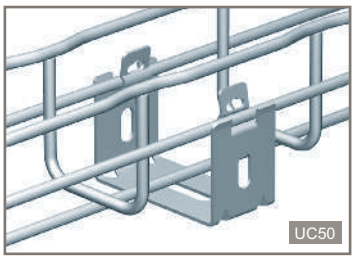
For detailed information related to finishes, refer to **p. 116-117**

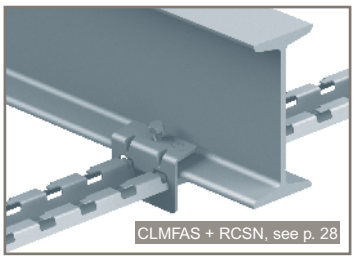
All dimensions (mm) are nominal

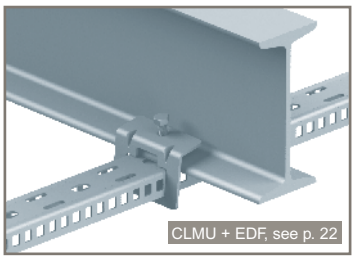
floor mounting – FTX – UC50 – UFC

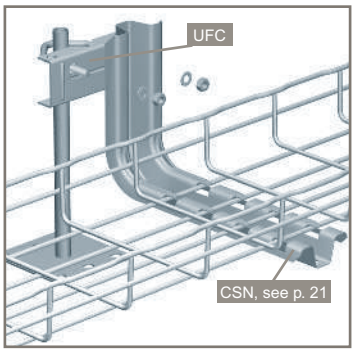
beam mounting - CLMFAS – CLMU – EF

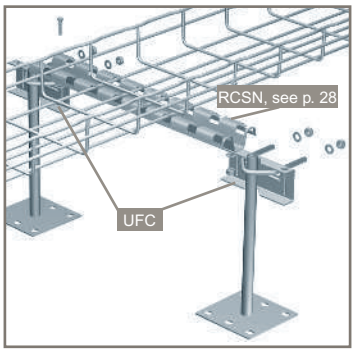


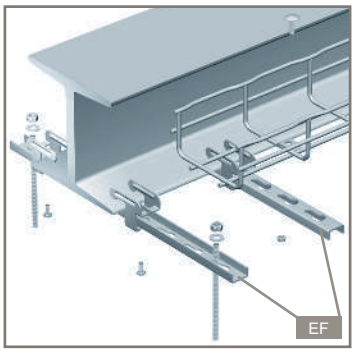












Dimensions and technical information **p. 80-85**

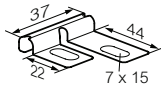
NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.	
1	GS CM586180	DC CM586183 / 316L CM586184

FTX – base fixing plates

30 / 54 / 105 mm · 35 → 600 mm

For technical information see p. 80



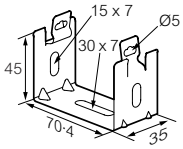
Pack	Cat. Nos.	
1	GS CM586040	GC CM586043
1	304L CM586048	316L CM586044

UC50 – support cradles

30 → 54 mm · 50 mm

For technical information see p. 80

F daN
12
12

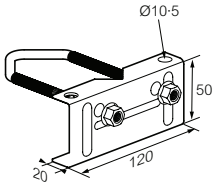


Pack	Cat. Nos.
1	GS CM559220

UFC – clamp unit

30 → 105 mm · 100 → 600 mm

For technical information see p. 81-82



Dimensions and technical information **p. 83-85**

NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.		
1	GS CM559280	DC CM559287	316L CM559284
1	GS CM559090	DC CM559097	316L –
1 1		EZ	CM559201 CM559211

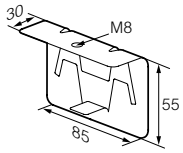
Beam clamps

CLMFAS – beam clamps

30 → 105 mm · 50 → 600 mm

For technical information see p. 83

daN.m
18

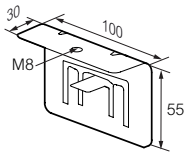


CLMU – beam clamps

30 → 105 mm · 50 → 600 mm

For technical information see p. 84

daN.m
15

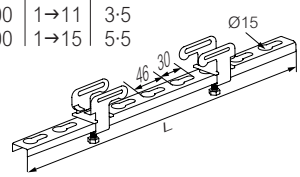


EF – adjustable beam clamps

30 → 54 mm · 100 → 300 mm

For technical information see p. 85

L mm	H mm	daN.m
400	1→11	3·5
600	1→15	5·5



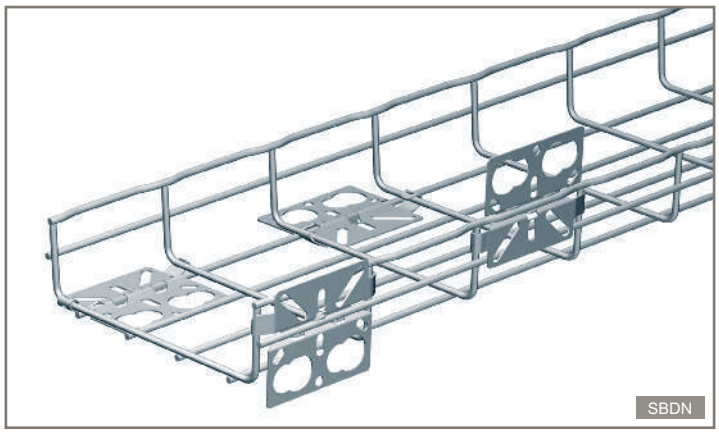
Key :

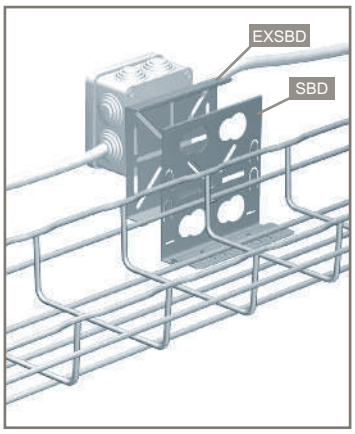
- EZ Electrogalvanising after manufacture
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

other mounting - take-off plates - SBDN – SBD – EXSBD





Dimensions and technical information **p. 86**

NOTE : please use Cat. No. when placing your order

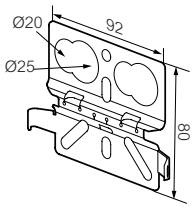
Pack	Cat. Nos.
1	GS CM585410 | Z+ CM585417

Take-off plates

SBDN – universal conduit take-off plates

30 → 150 mm 50 → 600 mm

For technical information see p. 86



NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.
1	GS CM585110 | 316L CM585114
1	GS CM585130 | 316L -

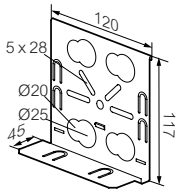
Take-off plates (continued)

SBD – conduit take-off plate

30 → 150 mm 50 → 600 mm

To be used with conduit take-off plate – EXSBD

For technical information, see p. 86

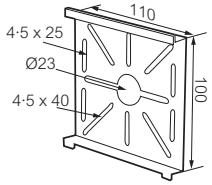


EXSBD – switch box take-off plate - side

30 → 150 mm 50 → 600 mm

To be used with switch box take-off plate – SBD

For technical information, see p. 86



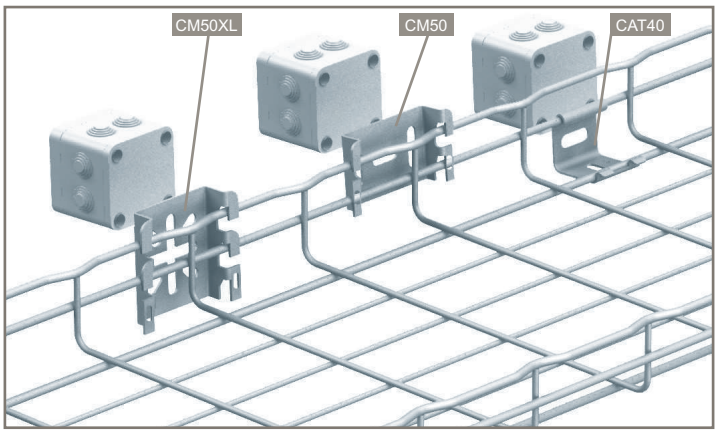
Key :

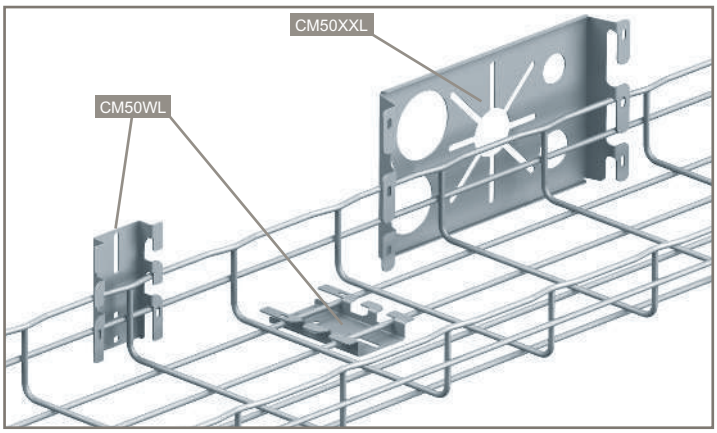
- GS Pre-galavanised
- Z+ Continuous galvanisation before manufacture
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

other mounting - universal mounting plates - CM50 – CM50XL – CAT40 – CM50XXL – CM50WL

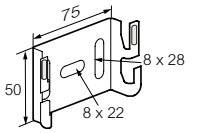


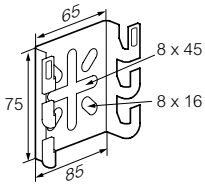


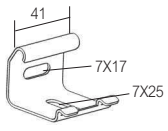
Dimensions and technical information **p. 87-88**

NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.	Universal mounting plates
		CM50 – universal mounting plates (small) **30 / 54 / 105 mm** **50 → 600 mm** For technical information see p. 87
1	GS CM586060 / GC CM586063	
1	304L CM586068 / 316L CM586064	
		CM50XL – universal mounting plates (large) **30 / 54 / 105 mm** **50 → 600 mm** For technical information see p. 87
1	GS CM586130 / GC CM586133	
1	304L CM586138 / 316L CM586134	
		CAT40 – universal mounting plates **30 / 54 / 105 mm** **50 → 600 mm** For technical information see p. 87
1	GS CM586190 / DC CM586197 / 316L CM586194	

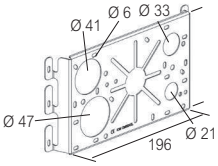


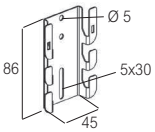




NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.	Universal mounting plates (continued)
		CM50XXL – universal mounting plates (extra large) **30 → 105 50 → 600 mm** For technical information see p. 88
1	GS CM586250 / DC CM586257	
		CM50WL – universal Wieland mounting plates **30 → 105 50 → 600 mm** For technical information see p. 88
1	GS CM586230 / DC CM586237	





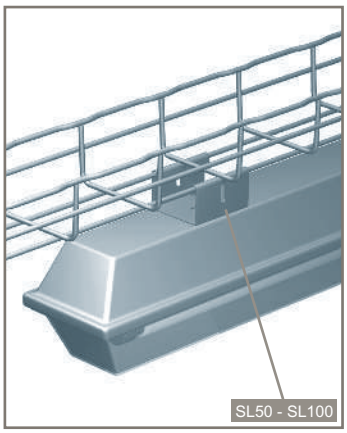
Key :

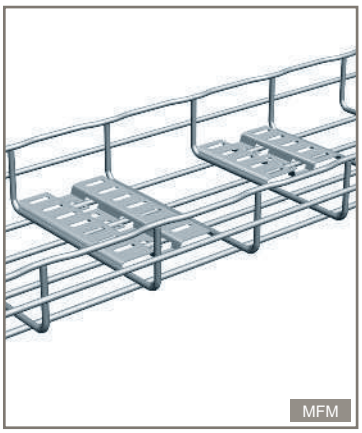
- GS Pre-galavanised
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

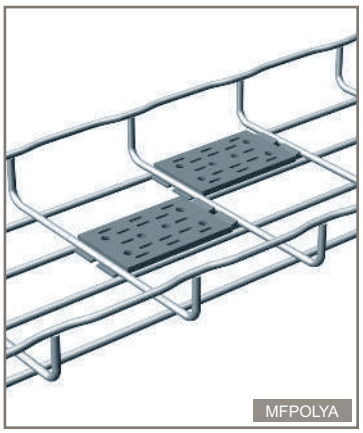
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

other mounting - luminaire supports - SL50 – SL100 – MFM – MFPOLYA



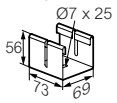


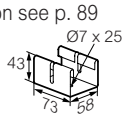


Dimensions and technical information **p. 89**

NOTE : please use Cat. No. when placing your order

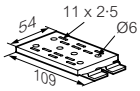
Pack	Cat. Nos.			Luminaire supports
	GS	GC	316L	
1	CM585180	-	-	**SL50 – luminaire support** ↕ **30 → 54** ↔ **50 mm** For technical information see p. 89 H mm: 56 / F daN: 150
	GS	GC	316L	
1	CM585190	-	-	**SL100 – luminaire support** ↕ **30 → 105** ↔ **100 → 600 mm** For technical information see p. 89 H mm: 43 / F daN: 150
	GS	Z+	316L	
1	CM585140	CM585143	CM585144	**MFM – multifix base plates** ↕ **30 → 150** ↔ **100 → 600 mm** For technical information see p. 89 MFM100 – L mm: 100
1	CM585150	CM585153	-	MFM150 – L mm: 150





NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.	Luminaire supports (continued)
20	Polyamide CM585145	**MFPOLYA – multifix base plate** ↕ **30 → 150** ↔ **100 → 600 mm** For technical information see p. 89

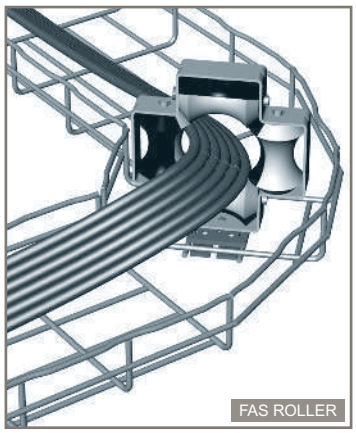


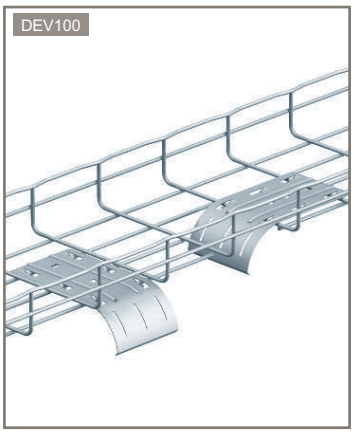
Key :
- GS Pre-galavanised
- GC Hot dip galvanised after manufacture
- Z+ Continuous galvanisation before manufacture
- 316L Stainless steel 316L

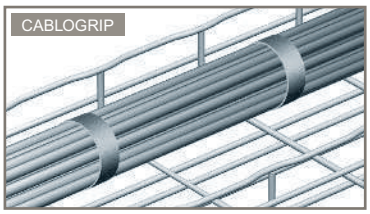
For detailed information related to finishes, refer to **p. 116-117**

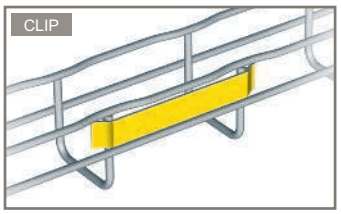
All dimensions (mm) are nominal

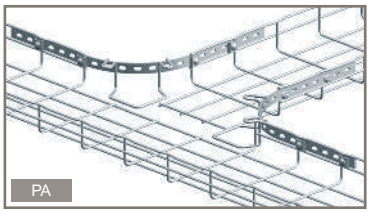
cabling accessories - FAS ROLLER – DEV100 – CABLOGRIP – CLIP – PA











Dimensions and technical information **p. 90-92**

NOTE : please use Cat. No. when placing your order

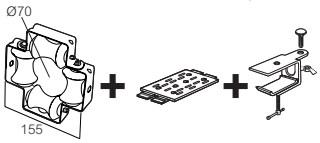
Pack	GS	GC	316L
1	CM011100	-	-
1	CM585160	CM585167	CM585164
1	CM559677		

Cabling accessories

FAS ROLLER – cabling roller

30 → 150 50 → 600 mm

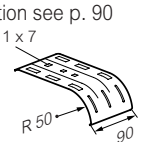
For technical information see p. 90



DEV100 – cable dropout plates

30 → 150 100 → 600 mm

For technical information see p. 90



CABLOGRIP – cable grip

30 → 150 100 → 600 mm

For technical information see p. 91

L mm: 5 000

NOTE : please use Cat. No. when placing your order

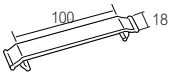
Pack	PLAST	
50	CM559157	CLIPJ
50	CM559167	CLIPV
50	CM559177	CLIPB
50	CM559147	CLIPO
50	CM559197	CLIPG
50	CM559117	CLIPP

Cabling accessories (continued)

CLIP – indentification tags

30 → 150 50 → 600 mm

For technical information see p. 91

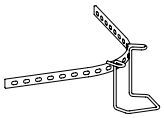


Pack	EZ	GC	H mm	
50	CM840101	CM840103	30	PA1
50	CM840111	CM840113	54	PA2
50	CM840131	CM840133	105	PA3

PA – radius support

30 / 54 / 105 50 → 600 mm

For technical information see p. 92



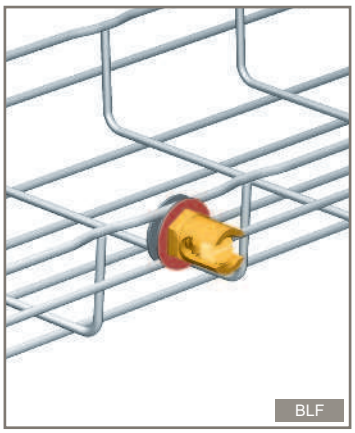
Key :

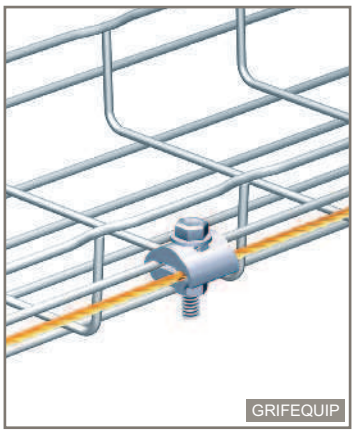
- EZ Electrogalvanising after manufacture
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- Z+ Continuous galvanisation before manufacture
- 316L Stainless steel 316L
- PLAST Plastic

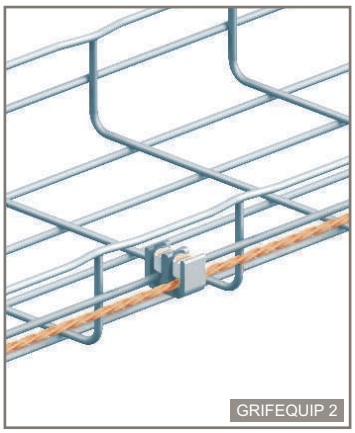
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

earthing - BLF – GRIFEQUIP – GRIFEQUIP 2







Dimensions and technical information **p. 92-93**

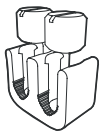
NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.	Earth conductor clamps
		BLF – earth conductor clamp (copper)
		30 → 150 50 → 600 mm
		For technical information see p. 92
	CU	L mm / Ø mm²
1	CM585387	BLF 8/16 — 22 — 16
1	CM585397	BLF 8/35 — 24 — 35
1	CM585407	BLF 8/50 — 26 — 50

NOTE : please use Cat. No. when placing your order

Pack	Cat. Nos.	Earth conductor clamps (continued)
		GRIFEQUIP – earth conductor clamp (aluminium)
		30/54/105 50 → 600 mm
		For technical information see p. 93
	AL	
1	CM585327	

		GRIFEQUIP 2 – vertical clamp (aluminium)
		30/54/105 50 → 600 mm
		For technical information see p. 93
	AL	
1	CM585427	



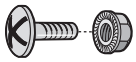
Key : AL Aluminium — CU Copper

For detailed information related to finishes, refer to **p. 116-117**

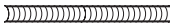
All dimensions (mm) are nominal

fixings and fasteners + tools


BTRCC


BTRL

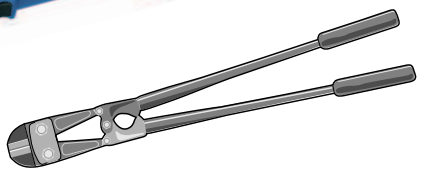

EEC


Threaded rods


Flat washers


Hexagon nuts


CUTYFIL


COUPEFILGM

NOTE : please use Cat. No. when placing your order

Fixings and fasteners

Pack	Cat. Nos. EZ	Cat. Nos. DC		Diameter
BTRCC				
100	CM801001	CM801007	BTRCC 6 x 12	6 Ø
100	CM801011	CM801017	BTRCC 6 x 20	6 Ø
100	CM801021	CM801027	BTRCC 6 x 30	6 Ø
	304L	316L		
100	CM801008	CM801004	BTRCC 6 x 12	6 Ø
100	CM801018	CM801014	BTRCC 6 x 20	6 Ø

Pack	Cat. Nos. EZ		Diameter
BTRL			
100	CM801111	BTRL 8 x 15	8 Ø

Pack	Cat. Nos. EZ	Cat. Nos. DC		Diameter
EEC – shouldered hexagon nuts				
100	CM801201	CM801204	EEC6	6 Ø
100	CM801211	-	EEC8	8 Ø

Pack	Cat. Nos.		
Threaded rod			
		Electroplated zinc	
		Size	
3 m	TR06	M6 x 3 m	
3 m	TR08	M8 x 3 m	
3 m	TR10	M10 x 3 m	
3 m	TR12	M12 x 3 m	

Pack	Cat. Nos.		
Flat washers			
		Electroplated zinc	
		Size	
500	FW06	M6	
500	FW08	M8	
500	FW10	M10	
200	FW12	M12	

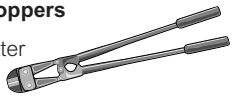
Pack	Cat. Nos.		
Hexagon nuts			
		Electroplated zinc	
		Size	
500	HN06	M6	
500	HN08	M8	
200	HN10	M10	
200	HN12	M12	

NOTE : please use Cat. No. when placing your order

Cutting tools

Pack	Cat. Nos.	
CUTYFIL		
1	CM559549	Electric wire tray cutter Supplied with rechargeable batteries

Pack	Cat. Nos.	
COUPEFILGM – croppers		
1	CM559507	Manual wire tray cutter Length : 630 mm



Mounting tool

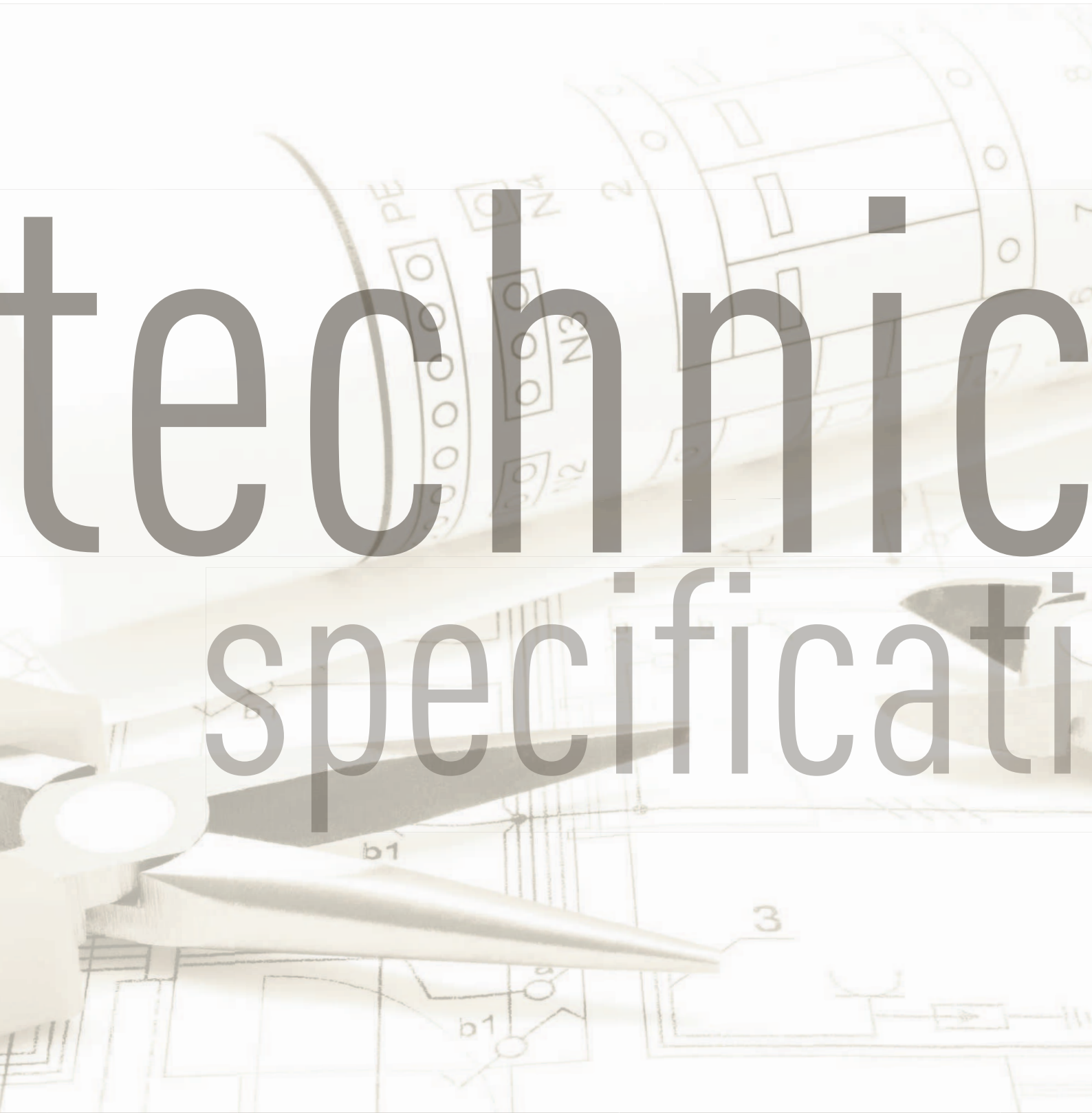
Pack	Cat. Nos. EZ	
CLEEDR		
5	CM558260	For EDRN couplers, see p. 18

Key :

- EZ Electrogalvanising after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal



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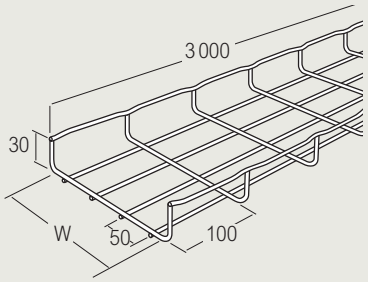
TECHNICAL SPECIFICATIONS

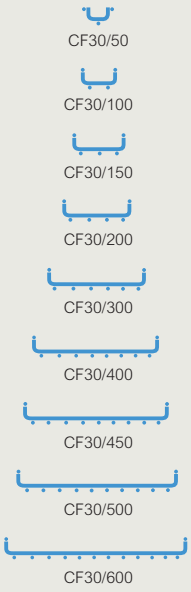
straight lengths - CF30
technical information

■ Dimensions and weights

30 mm 50 mm → 600 mm 3 m



Safety edge



Cat. Nos.	W ↔ mm	Weight (kg/3 m) EZ	GC	304L	316L
CF30/50[1]	50	1·19	1·23	1·15	1·15
CF30/100	100	1·61	1·67	1·56	1·56
CF30/150	150	2·05	2·13	1·99	1·99
CF30/200	200	2·84	2·95	2·76	2·76
CF30/300	300	4·39	4·56	4·09	4·09
CF30/400	400	6·85	–	–	–
CF30/450	450	7·33	–	–	–
CF30/500	500	7·82	–	–	–
CF30/600	600	8·78	–	–	–

1 : No safety edge

Please use Cat. No. when placing your order, see p. 11

All weights are given in Kilograms (kg) and are for a 3 m straight length

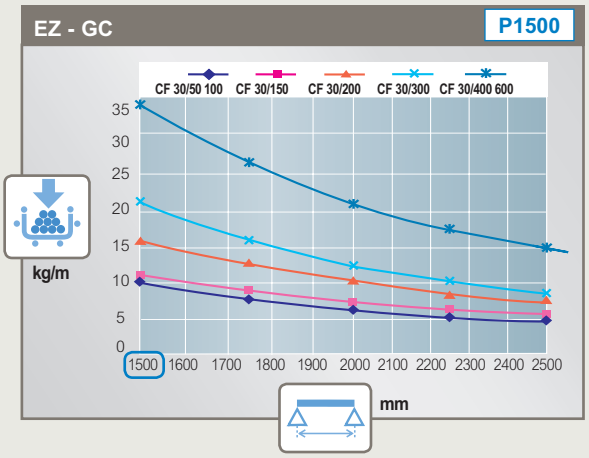
Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling

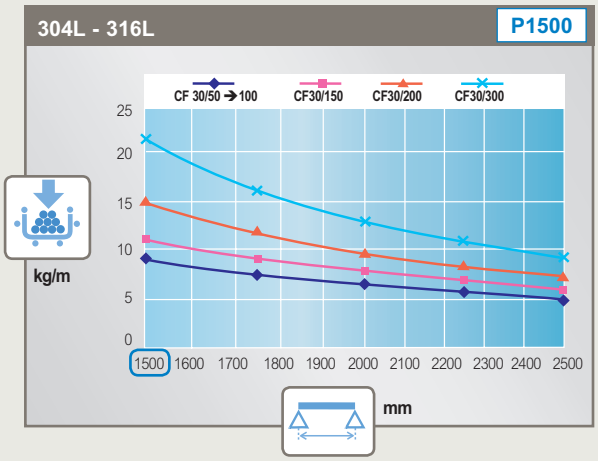
All dimensions (mm) are nominal

■ Loading graphs

The permissable load stated in this catalogue represents the load that Cablofil steel wire cable tray is guaranteed to be able to bear. It assumes loads are evenly spread and is given in daN/m. The standard permits a deflection equivalent to 1/100th of the span. Legrand imposes a stricter limit of 1/200th for both safety and aesthetic reasons. For example, Legrand voluntarily restricts deflection to 10 mm for a span of 2 m, whereas the standard would allow 20 mm.

Load tests carried out to IEC 61537 (safety factor 1·7 + joint $^{1}/_{5}{}^{th}$ of the way along the span). Permissable load should include all cable loads and any other additional loads (eg: wind, snow)





P1500 = supports at 1 500 mm, see **p. 120** for more information

NOTE:
For more information on loadings, see **p. 125**

■ Finishes

Standard stocked finish :

EZ Electrogalvanising after manufacture

Additional finishes :

GC Hot dip galvanised after manufacture

304L Stainless steel 304L

316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

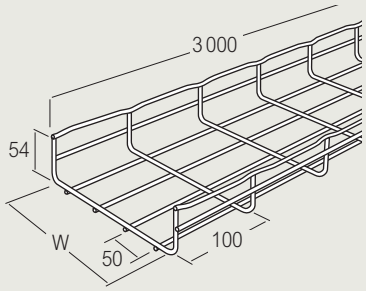
→ Couplers : see p. 48-51

→ Dividers : see p. 46

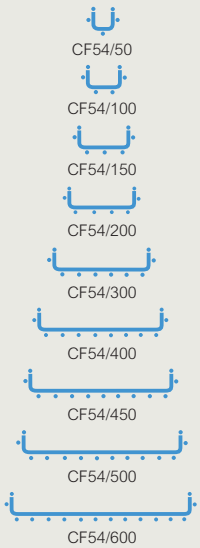
straight lengths - CF54
technical information

■ Dimensions and weights

54 mm | 50 mm → 600 mm | 3 m



Safety edge



Cat. Nos.	W ↔ mm	Weight (kg/3 m) EZ	EZ+	GC	304L	316L
CF54/50	50	1·89	1·97	1·97	1·84	1·84
CF54/100	100	2·33	2·42	2·42	2·26	2·26
CF54/150	150	3·13	3·25	3·25	2·69	2·69
CF54/200	200	4·07	4·23	4·23	3·50	3·50
CF54/300	300	6·13	6·37	6·37	5·14	5·14
CF54/400	400	9·15	9·51	9·51	7·92	7·92
CF54/450	450	9·79	10·17	10·17	8·49	8·49
CF54/500	500	10·42	10·83	10·83	9·06	9·06
CF54/600	600	11·69	12·15	12·15	10·20	10·20

Please use Cat. No. when placing your order, see p. 11

All weights are given in Kilograms (kg) and are for a 3 m straight length

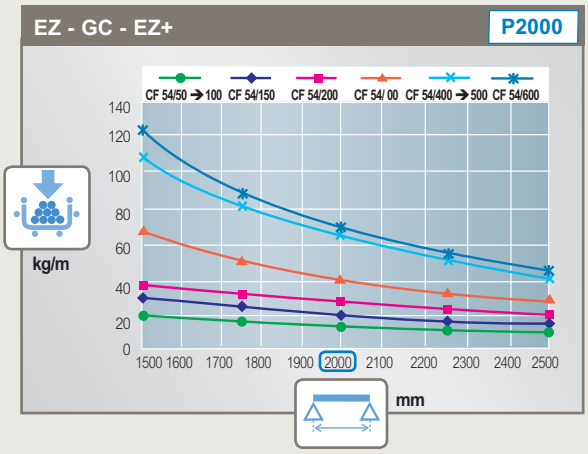
Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling

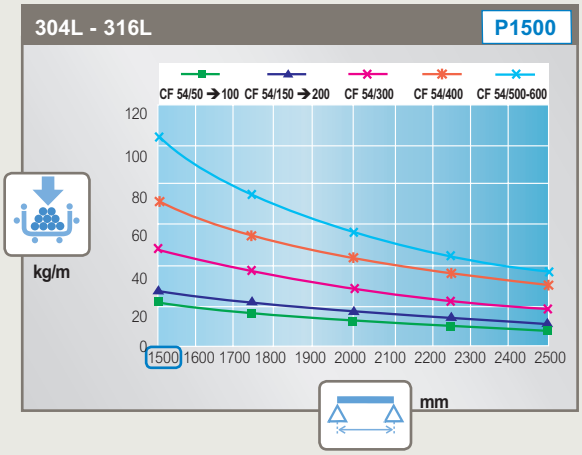
All dimensions (mm) are nominal

■ Loading graphs

The permissable load stated in this catalogue represents the load that Cablofil steel wire cable tray is guaranteed to be able to bear. It assumes loads are evenly spread and is given in daN/m. The standard permits a deflection equivalent to 1/100th of the span. Legrand imposes a stricter limit of 1/200th for both safety and aesthetic reasons. For example, Legrand voluntarily restricts deflection to 10 mm for a span of 2 m, whereas the standard would allow 20 mm.

Load tests carried out to IEC 61537 (safety factor 1·7 + joint $^{1}/_{5}{}^{th}$ of the way along the span). Permissable load should include all cable loads and any other additional loads (eg: wind, snow)





P2000 = supports at 2 000 mm, see **p. 120** for more information

P1500 = supports at 1 500 mm, see **p. 120** for more information

NOTE:
For more information on loadings, see **p. 125**

■ Finishes

Standard stocked finish :

EZ Electrogalvanising after manufacture

Additional finishes :

EZ+ Organically coated electrogalvanised after manufacture

GC Hot dip galvanised after manufacture

304L Stainless steel 304L

316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

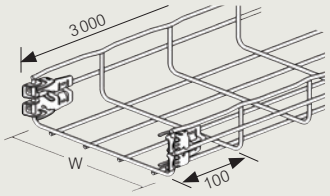
→ Couplers : see p. 48-51

→ Dividers : see p. 46

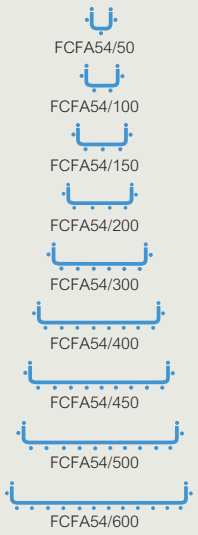
straight lengths - FCFA54 (FASCLIC AUTO)
technical information

■ Dimensions and weights

54 mm | 50 mm → 600 mm | 3 m



Safety edge

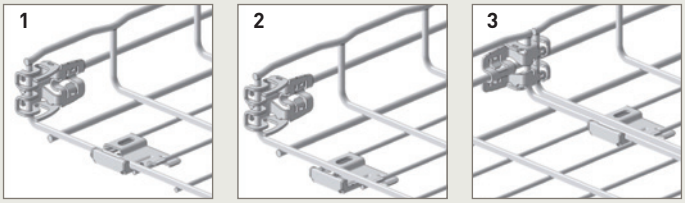


Cat. Nos.	W ↔ mm	Weight (kg) EZ
FCFA54/50	50	1·97
FCFA54/100	100	2·40
FCFA54/150	150	3·20
FCFA54/200	200	4·15
FCFA54/300	300	6·23
FCFA54/400	400	9·26
FCFA54/450	450	9·89
FCFA54/500	500	9·89
FCFA54/600	600	10·53

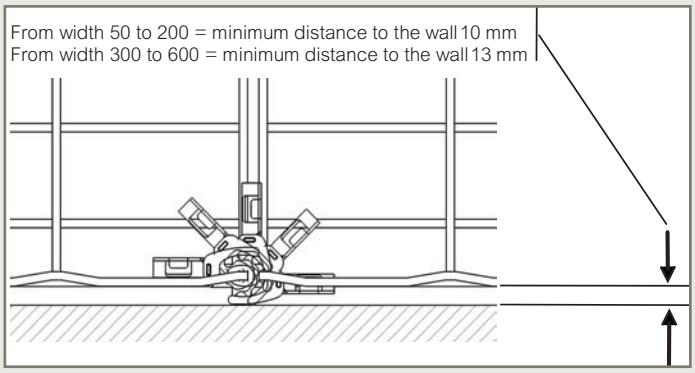
Please use Cat. No. when placing your order, see p. 12

All weights are given in Kilograms (kg) and are for a 3 m straight length

■ Assembly



Unclip integral couplers from delivery position. Slide base plate (if applicable) to accept secondary length. Clip coupler and base to secure
For 300 - 600 mm wide tray, additional base plates are supplied to aid connection (1 x for 300 mm, 2 x for 400 - 500 mm and 3 x for 600 mm tray)
If a length of FCFA is cut, the coupler and base plate can be removed and reattached



Patented | Fast assembling | Fixing without nuts and bolts

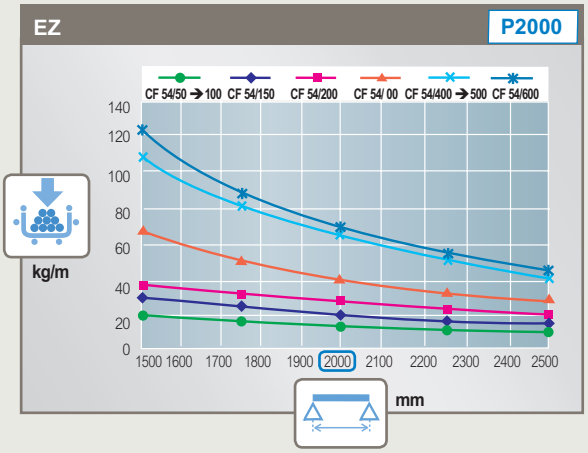
Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling

All dimensions (mm) are nominal

■ Loading graphs

The permissable load stated in this catalogue represents the load that Cablofil steel wire cable tray is guaranteed to be able to bear. It assumes loads are evenly spread and is given in daN/m. The standard permits a deflection equivalent to 1/100th of the span. Legrand imposes a stricter limit of 1/200th for both safety and aesthetic reasons. For example, Legrand voluntarily restricts deflection to 10 mm for a span of 2 m, whereas the standard would allow 20 mm.

Load tests carried out to IEC 61537 (safety factor 1·7 + joint $^{1}/_{5}{}^{th}$ of the way along the span). Permissable load should include all cable loads and any other additional loads (eg: wind, snow)



P2000 = supports at 2 000 mm, see **p. 120** for more information

NOTE:
For more information on loadings, see **p. 125**

■ Finishes

Standard stocked finish :

EZ Electrogalvanising after manufacture

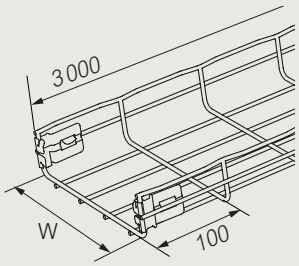
For detailed information related to finishes, refer to **p. 116-117**

→ Dividers : see p. 46

straight lengths - FCF54 (FASCLIC)
technical information

■ Dimensions and weights

54 mm 50 mm → 300 mm 3 m



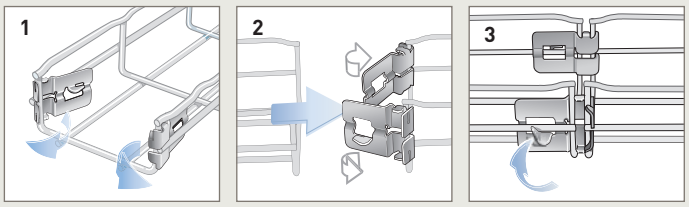
Safety edge

Cat. Nos.	W mm	Weight (kg/3 m) 304L	316L
FCF54/50	50	2·03	2·03
FCF54/100	100	2·46	2·46
FCF54/150	150	3·46	3·46
FCF54/200	200	4·02	4·02
FCF54/300	300	5·34	5·34

Please use Cat. No. when placing your order, see p. 12

All weights are given in Kilograms (kg) and are for a 3 m straight length

■ Assembly



Unclip integral couplers from delivery position, offer secondary length and press couplers outwards. Bend tabs to secure using screwdriver
No additional fasteners required

Patented | Fast assembling | Fixing without nuts and bolts

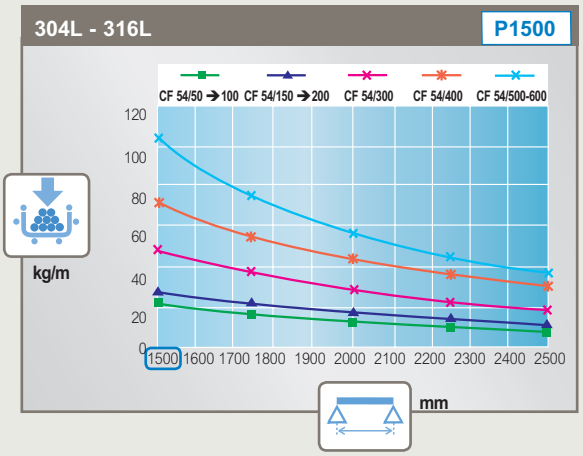
Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling

All dimensions (mm) are nominal

■ Loading graphs

The permissable load stated in this catalogue represents the load that Cablofil steel wire cable tray is guaranteed to be able to bear. It assumes loads are evenly spread and is given in daN/m. The standard permits a deflection equivalent to 1/100th of the span. Legrand imposes a stricter limit of 1/200th for both safety and aesthetic reasons. For example, Legrand voluntarily restricts deflection to 10 mm for a span of 2 m, whereas the standard would allow 20 mm.

Load tests carried out to IEC 61537 (safety factor 1·7 + joint $^{1}/_{5}{}^{th}$ of the way along the span). Permissable load should include all cable loads and any other additional loads (eg: wind, snow)



P1500 = supports at 1 500 mm, see **p. 120** for more information

NOTE:
For more information on loadings, see **p. 125**

■ Finishes

Available finishes :

304L Stainless steel 304L

316L Stainless steel 316L

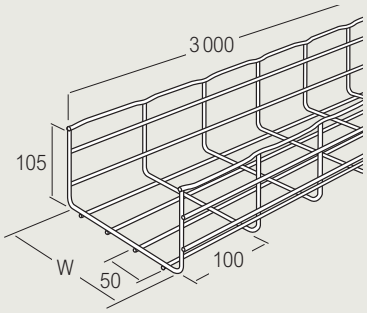
For detailed information related to finishes, refer to **p. 116-117**

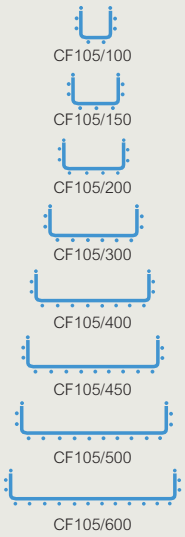
Dividers : see p. 46

straight lengths - CF105
technical information

■ Dimensions and weights

105 mm 100 mm → 600 mm 3 m





Cat. Nos.	W ↔ mm	Weight (kg/3 m) EZ	GC	304L	316L
CF105/100	100	4·07	4·23	3·50	3·50
CF105/150	150	5·23	5·43	3·97	3·97
CF105/200	200	6·13	6·37	5·14	5·14
CF105/300	300	9·15	9·51	7·92	7·92
CF105/400	400	10·42	10·83	9·06	9·06
CF105/450	450	11·25	11·40	9·45	9·45
CF105/500	500	11·69	12·15	9·63	9·63
CF105/600	600	12·96	13·46	10·20	10·20

Please use Cat. No. when placing your order, see p. 13

All weights are given in Kilograms (kg) and are for a 3 m straight length

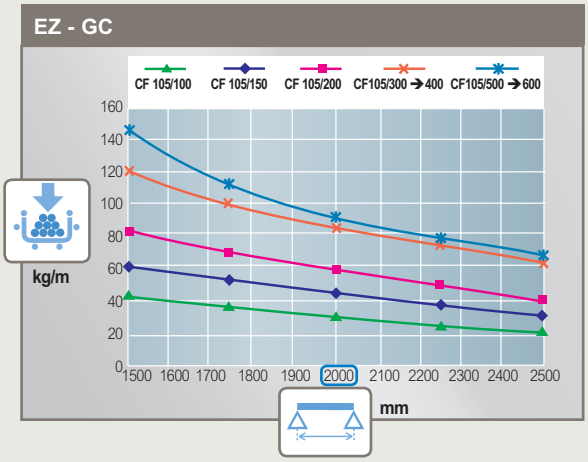
Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling

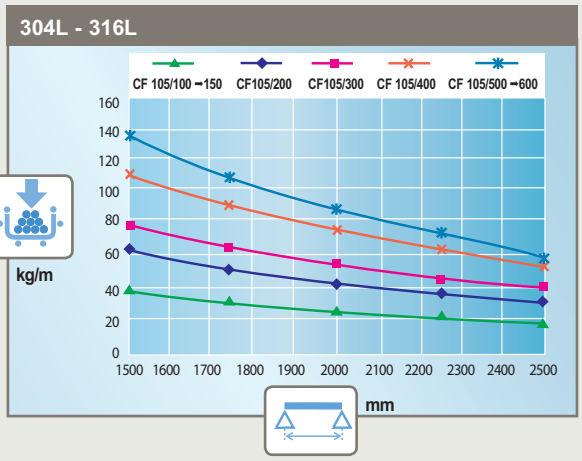
All dimensions (mm) are nominal

■ Loading graphs

The permissable load stated in this catalogue represents the load that Cablofil steel wire cable tray is guaranteed to be able to bear. It assumes loads are evenly spread and is given in daN/m. The standard permits a deflection equivalent to 1/100th of the span. Legrand imposes a stricter limit of 1/200th for both safety and aesthetic reasons. For example, Legrand voluntarily restricts deflection to 10 mm for a span of 2 m, whereas the standard would allow 20 mm.

Load tests carried out to IEC 61537 (safety factor 1·7 + joint $^{1}/_{5}{}^{th}$ of the way along the span). Permissable load should include all cable loads and any other additional loads (eg: wind, snow)





NOTE:
For more information on loadings, see **p. 125**

■ Finishes

Standard stocked finish :

EZ Electrogalvanising after manufacture

Additional finishes :

GC Hot dip galvanised after manufacture

304L Stainless steel 304L

316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

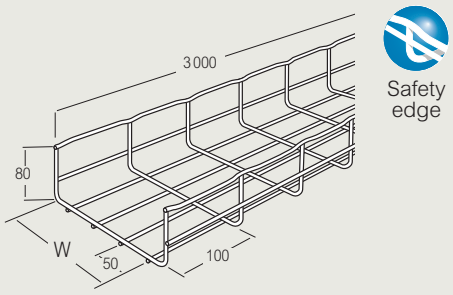
→ Couplers : see p. 48-51

→ Dividers : see p. 46

straight lengths - CF80
technical information

■ Dimensions and weights

80 mm 100 mm → 500 mm 3 m



Cat. Nos.	W mm	Weight (kg/3 m) EZ	GC
CF80/100	100	2·84	2·95
CF80/200	200	4·39	4·56
CF80/300	300	6·85	7·12
CF80/400	400	7·82	8·12
CF80/500	500	8·78	9·12

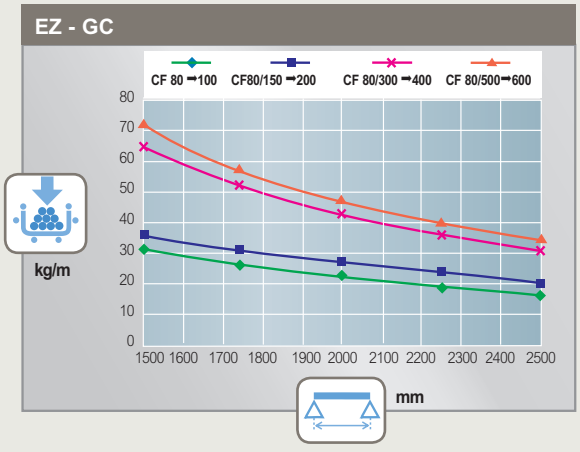
Please use Cat. No. when placing your order, see p. 13

All weights are given in Kilograms (kg) and are for a 3 m straight length

■ Loading graphs

The permissable load stated in this catalogue represents the load that Cablofil steel wire cable tray is guaranteed to be able to bear. It assumes loads are evenly spread and is given in daN/m. The standard permits a deflection equivalent to 1/100th of the span. Legrand imposes a stricter limit of 1/200th for both safety and aesthetic reasons. For example, Legrand voluntarily restricts deflection to 10 mm for a span of 2 m, whereas the standard would allow 20 mm.

Load tests carried out to IEC 61537 (safety factor 1·7 + joint $^{1}/_{5}{}^{th}$ of the way along the span). Permissable load should include all cable loads and any other additional loads (eg: wind, snow)



NOTE:
For more information on loadings, see **p. 125**

■ Finishes

Available finishes :

EZ Electrogalvanising after manufacture

GC Hot dip galvanised after manufacture

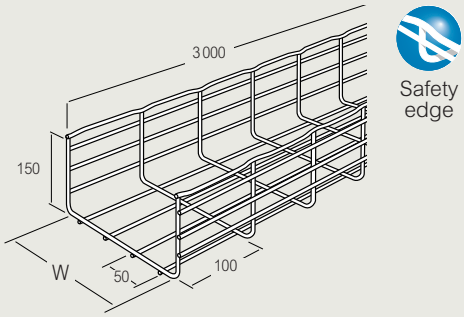
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

straight lengths - CF150
technical information

■ Dimensions and weights

150 mm 200 mm → 500 mm 3 m



Cat. Nos.	W mm	Weight (kg/3 m) EZ	GC
CF150/200	200	9·15	9·51
CF150/300	300	10·42	10·83
CF150/400	400	11·69	12·15
CF150/450	450	12·33	12·96
CF150/500	500	12·43	13·00

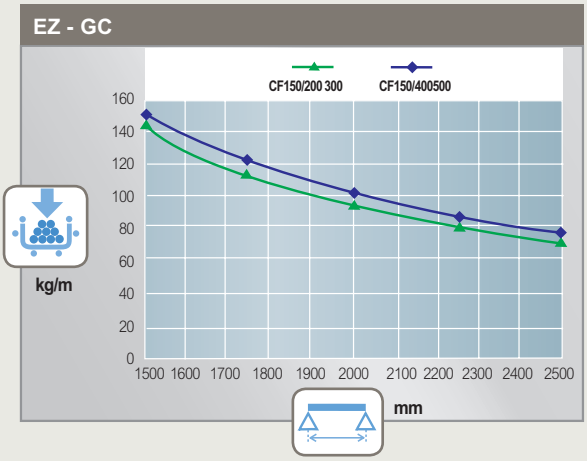
Please use Cat. No. when placing your order, see p. 13

All weights are given in Kilograms (kg) and are for a 3 m straight length

■ Loading graphs

The permissable load stated in this catalogue represents the load that Cablofil steel wire cable tray is guaranteed to be able to bear. It assumes loads are evenly spread and is given in daN/m. The standard permits a deflection equivalent to 1/100th of the span. Legrand imposes a stricter limit of 1/200th for both safety and aesthetic reasons. For example, Legrand voluntarily restricts deflection to 10 mm for a span of 2 m, whereas the standard would allow 20 mm.

Load tests carried out to IEC 61537 (safety factor 1·7 + joint $^{1}/_{5}{}^{th}$ of the way along the span). Permissable load should include all cable loads and any other additional loads (eg: wind, snow)



NOTE:
For more information on loadings, see **p. 125**

■ Finishes

Available finishes :

EZ Electrogalvanising after manufacture

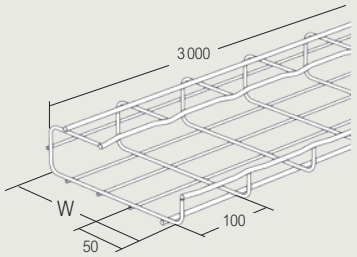
GC Hot dip galvanised after manufacture

For detailed information related to finishes, refer to **p. 116-117**

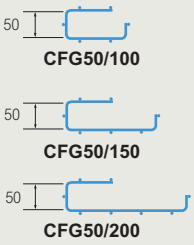
straight lengths - CFG
technical information

■ Dimensions and weights

50 mm 100 mm → 200 mm 3 m




Safety edge

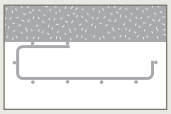


Cat. Nos.	W mm	Weight (kg/3 m) EZ	GC
CFG50/100	100	2·84	2·95
CFG50/150	150	3·32	3·45
CFG50/200	200	4·39	4·56

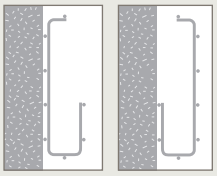
Please use Cat. No. when placing your order, see p. 14

All weights are given in Kilograms (kg) and are for a 3 m straight length

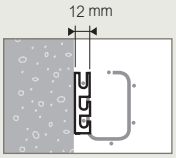
■ Installation



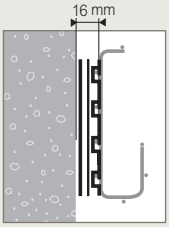
Ceiling mounted
Use CE40 (see p. 69) and fasteners (not supplied)



Wall mounted either by base or by G section. Use CE40 (see p.69) and fasteners (not supplied)



Wall mounted using CM50XL universal mounting plate
See **p. 55**



Wall mounted using RCSN fast fit support rail
See **p. 65**

■ Finishes

Available finishes :

EZ Electrogalvanising after manufacture

GC Hot dip galvanised after manufacture

For detailed information related to finishes, refer to **p. 116-117**

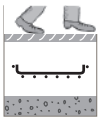
Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling

All dimensions (mm) are nominal

→ Couplers : see p. 48-51

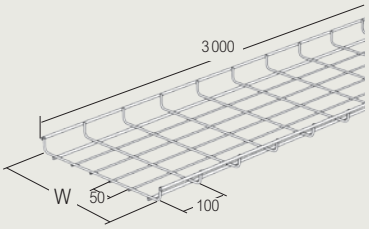
→ Dividers : see p. 46

straight lengths - UF30 (for cavity floor installations only)
technical information

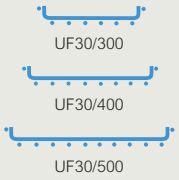


■ Dimensions and weights

30 mm 300 mm → 500 mm 3 m



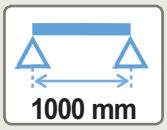

No safety edge



Cat. Nos.	W mm	Weight (kg) EZ
UF30/300	300	3·87
UF30/400	400	4·80
UF30/500	500	5·74

Please use Cat. No. when placing your order, see p. 14

All weights are given in Kilograms (kg) and are for a 3 m straight length



Recommended support spacing = 1000 mm

■ Finishes

Standard stocked finish :

EZ Electrogalvanising after manufacture

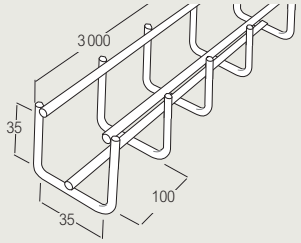
For detailed information related to finishes, refer to **p. 116-117**

→ Couplers : see p. 48-51

mini steel wire cable tray – TXF35
technical information

■ Dimensions and weights

35 mm 35 mm 3 m



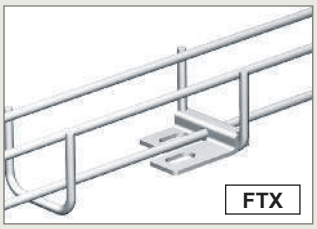
No safety edge

Cat. Nos.	Weight (kg/3 m)			
	EZ	GC	304L	316L
TXF35	1·50	1·80	1·40	1·40

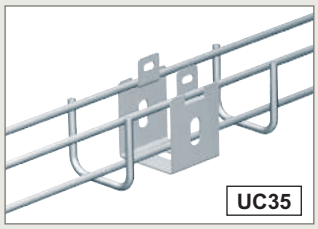
Please use Cat. No. when placing your order, see p. 15

All weights are given in Kilograms (kg) and are for a 3 m straight length

■ Installation

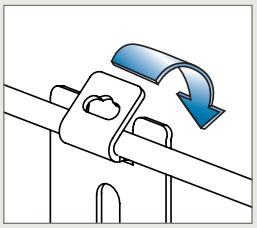


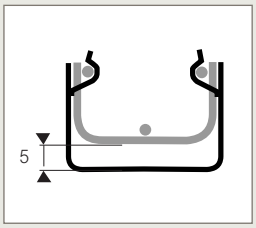
Use FTX and fasteners (not supplied) to secure TXF35 steel wire cable tray to the floor



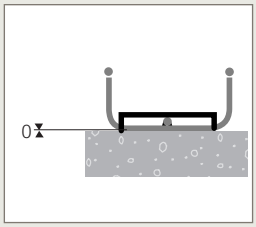
Use UC35 and fasteners to secure TXF35 steel wire cable tray to the wall or floor

■ Assembly

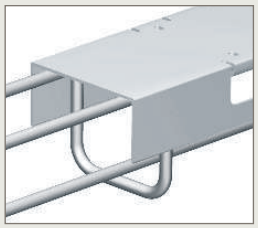




Bend tabs with pliers to secure to steel wire cable tray



Clip FTX over base wire of the tray and secure to floor using fasteners (not supplied)



CP35 covers, (see p. 15) simply clip into place

Fast assembling

Fixing without nuts and bolts

■ Finishes

Standard stocked finish :

EZ Electrogalvanising after manufacture

Additional finishes :

GC Hot dip galvanised after manufacture

304L Stainless steel 304L

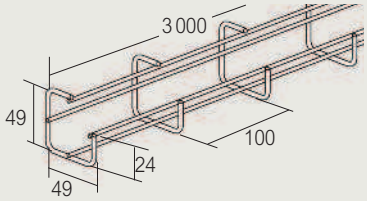
316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

flexible steel wire cable tray – G-MINI
technical information

■ Dimensions and weights

50 mm 50 mm 3 m



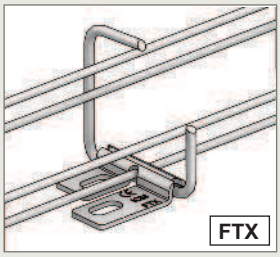
No safety edge

Cat. Nos.	Weight (kg/3 m)	
	EZ	316L
G-MINI	1·20	1·15

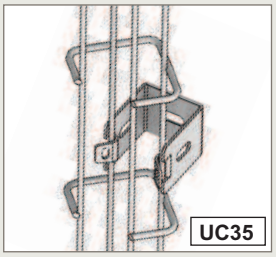
Please use Cat. No. when placing your order, see p. 15

All weights are given in Kilograms (kg) and are for a 3 m straight length

■ Installation

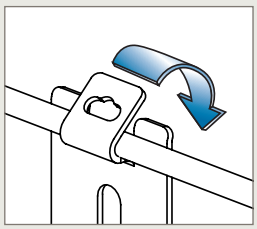


Use FTX and fasteners (not supplied) to secure G-MINI steel wire cable tray to the wall or floor

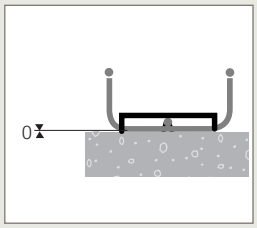


Use UC35 and fasteners to secure G-MINI steel wire cable tray to the wall or floor

■ Assembly



Bend tabs with pliers to secure to steel wire cable tray



Clip FTX over base wire of the tray and secure to floor using fasteners (not supplied)

Fast assembling

Fixing without nuts and bolts

■ Finishes

Standard stocked finish :

EZ Electrogalvanising after manufacture

Additional finishes :

316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling

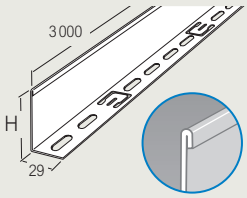
All dimensions (mm) are nominal

straight length dividers – COT / COT J
technical information

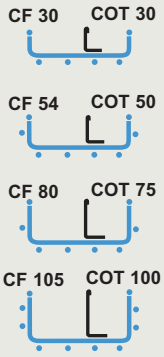
■ COT – dividers
COTJ – divider connectors

■ Dimensions and weights

COT 30 mm → 105 mm 100 mm → 600 mm 3 m



COT dividers have a return safety edge

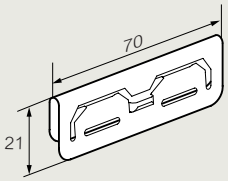


Cat. Nos.	H mm	Weight (kg/3 m) GS	GC	316L
COT30	24	0·3	0·3	0·3
COT50	48	0·5	0·5	0·5
COT75	72	0·7	0·7	–
COT100	96	0·9	0·9	0·9

Please use Cat. No. when placing your order, see p. 16

All weights are given in Kilograms (kg) and are for a 3 m straight length

COTJ 30 mm → 105 mm 100 mm → 600 mm

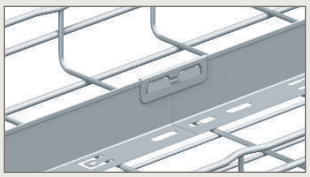


Cat. No.	Weight (kg) GS	316L
COT J	0·1	0·1

Please use Cat. No. when placing your order, see p. 16

All weights are given in Kilograms (kg) and are per unit (each)

■ Installation



Use COT dividers and COTJ divider connectors along the tray length to separate cable runs

■ Assembly

Fold tab in base to secure to the base of the tray length
COTJ dividers clip into place over the joint of two dividers

Fast assembling | Fixing without nuts and bolts

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling

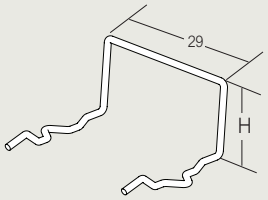
All dimensions (mm) are nominal

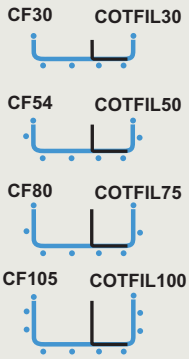
bend dividers – COTFIL
technical information

■ COTFIL – bend dividers

■ Dimensions and weights

30 mm → 105 mm 100 mm → 600 mm



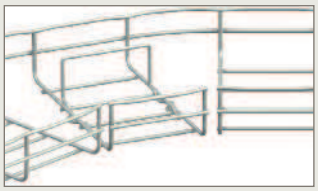


Cat. Nos.	H mm	Weight (kg) EZ	304L
COTFIL30	24	0·05	0·05
COTFIL50	44	0·05	0·05
COTFIL75	71	0·05	0·05
COTFIL100	94	0·05	0·05

Please use Cat. No. when placing your order, see p. 16

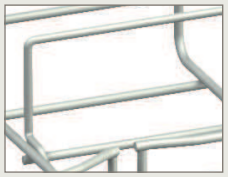
All weights are given in Kilograms (kg) and are for a 3 m straight length

■ Installation



Use COTFIL dividers on fabricated bends to separate cable runs

■ Assembly



Clip COTFIL dividers into place by inserting the end under the base wires of the tray

Fast assembling | Fixing without nuts and bolts

Key :
- EZ Electrogalvanising after manufacture
- 304L Stainless steel 304L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

How to fabricate bends : see p. 98-101

covers and cover clips – CVN - CP - F01 - F02 - F03
technical information

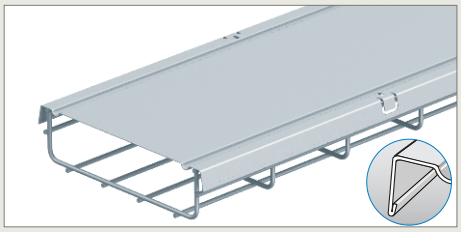
■ CVN – covers (1 m length)
CP – covers (2 m length)
F01 / F02 / F03 – cover clips

CVN - covers
Supplied in packs of 3 x 1 m lengths, CVN covers are available for 50 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths

CP - covers
Supplied in packs of 1 x 2 m lengths, CP covers are available for 50 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths

F01 / F02 / F03 - cover clips
Supplied in packs of 25, F01 clips are used with 30 mm deep tray; F02 clips are used with 54 mm and 105 mm deep tray and F03 clips are used with 80 mm deep tray. Clips can be used with both CVN and CP covers

■ Installation

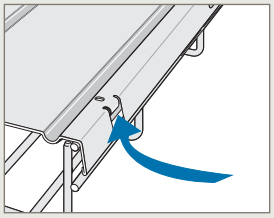


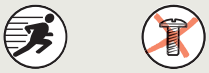
CVN and CP covers can be fitted directly with integral tabs or alternatively with optional cover clips

Use optional cover clips to secure covers

■ Assembly

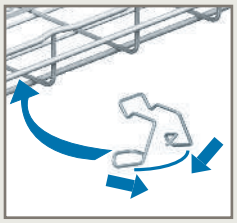
Securing CVN / CP covers to steel wire cable tray

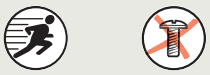




Fast assembling | Fixing without nuts and bolts

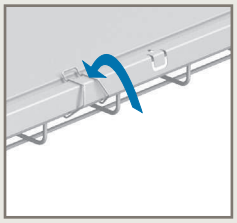
Securing F01/F02/F03 cover clips to CVN / CP covers





Fast assembling | Fixing without nuts and bolts

Squeeze clips at base and apply to underside of tray

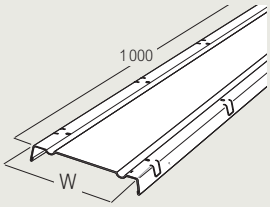


Fix the top of the clip into the groove along the edge of the lid to secure

→ Straight lengths : see p. 38-44

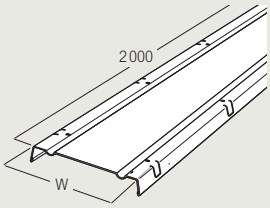
■ Dimensions and weights

CVN - ↕ 30 - 105 mm ↔ 50 → 600 mm ⟷ 1 m



Cat. Nos.	W ↔ mm	kg/m	Weight (kg) GS	GC	304L	316L
CVN50	71	0·4	1·80	1·95	1·81	1·81
CVN100	121	0·7	2·52	2·73	2·52	2·52
CVN150	171	1·1	3·21	3·48	–	3·21
CVN200	221	1·4	3·93	4·26	–	3·90
CVN300	322	2·0	5·37	5·79	–	–
CVN400	425	3·5	8·52	9·84	–	–
CVN450	475	3·4	9·39	10·86	–	–
CVN500	525	4·3	10·29	11·88	–	–
CVN600	625	5·0	12·06	13·92	–	–

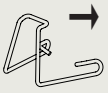
CP - ↕ 30 → 105 mm ↔ 50 → 600 mm ⟷ 2 m



Cat. Nos.	W ↔ mm	kg/m	Weight (kg) GS	GC	316L
CP50	71	0·4	1·21	1·31	1·21
CP100	121	0·7	1·68	1·82	1·68
CP150	171	1·1	2·15	2·33	2·15
CP200	221	1·4	2·62	2·84	2·62
CP300	322	2·0	3·57	3·87	3·57
CP400	425	3·5	5·68	6·56	6·05
CP450	475	3·4	6·95	7·40	6·90
CP500	525	4·3	6·85	7·92	7·31
CP600	625	5·0	8·03	9·28	8·57

F01/F02/F03 – ↕ 30 → 105 mm ↔ 50 → 600 mm

F01 → CF30



F02 → CF54 CF105

F03 → CF80

Cat. No.	Weight (kg) GS	316L
F01/2/3	0·1	0·1

Please use Cat. No. when placing your order, see p. 17
All weights are given in Kilograms (kg) and are per unit (each)

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

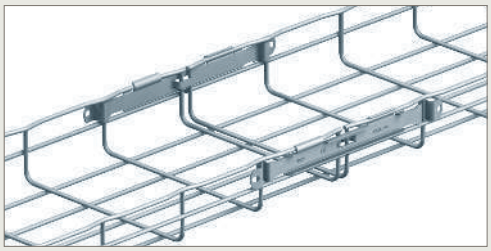
For detailed information related to finishes, refer to **p. 116-117**

couplers – length to length
EDRN - AUTOCLIC

■ EDRN – couplers

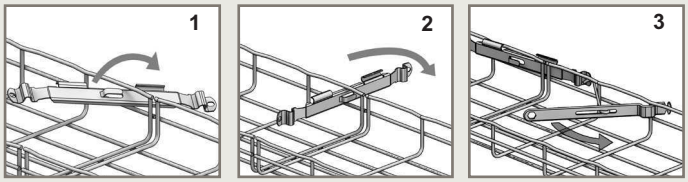
EDRN couplers are supplied with one fixing tool in each pack of 50 couplers. No additional fasteners or tools required

■ Installation



EDRN couplers are used in pairs across the side rail joint of two lengths of tray as shown

■ Assembly



1. Position coupler as indicated
2. Twist coupler into place
3. Use fixing tool (supplied) to pull coupler into place

Patented | Fast assembling | Fixing without nuts and bolts

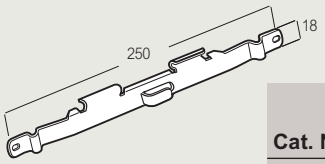
The table below indicates the recommended quantity of EDRN couplers required per width of steel wire cable tray
Note: for base coupling, CEFAS (p. 50) can be used as an alternative to EDRN couplers

A ↔ A = side coupling = base coupling (B)

→	50		100		150		200		300		400 ➡ 500		600	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
CF30	2	0	2	0	2	0	2	1	2	1	2	2	2	3
CF54	2	0	2	0	2	0	2	0	2	1	2	2	2	3
CF80	–	–	2	1	–	–	2	2	2	2	2	3	2	3
CF105	–	–	2	1	2	1	2	2	2	3	2	3	2	3
CF150	–	–	–	–	–	–	2	2	2	3	2	3	2	3
CFG	–	–	2	1	2	1	2	1	–	–	–	–	–	–

■ Dimensions and weights

30 ➔ 150 mm 50 ➔ 600 mm



Cat. Nos.	Weight (kg) EZ	DC	316L
EDRN	0·07	0·07	0·07

Please use Cat. No. when placing your order, see p. 18

All weights are given in Kilograms (kg)

All dimensions (mm) are nominal

Key : EZ Electrogalvanising after manufacture; DC Geomet; 316L Stainless steel 316L

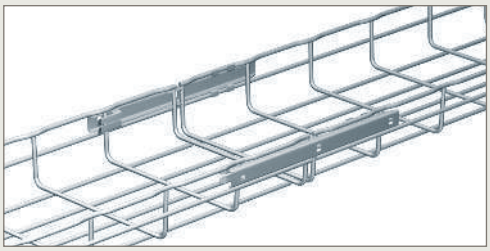
For detailed information related to finishes, refer to **p. 116-117**

➔ Straight lengths : see p. 38-44

■ AUTOCLIC – couplers

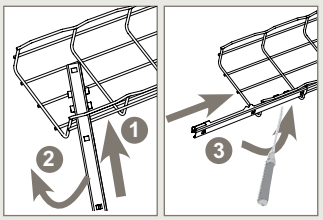
AUTOCLIC couplers are supplied in packs of 50. Rapid fit with screwdriver. No additional fasteners required

■ Installation



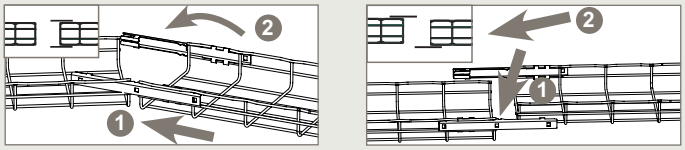
AUTOCLIC couplers are used in pairs across the side rail joint of two lengths of tray as shown

■ Assembly



Fast assembling | Fixing without nuts and bolts | Patented

1. Insert coupler
2. Twist into position
3. Pull into place with screwdriver (not supplied)



Fit Autoclic to both sides of one length of tray and insert into second length as shown **OR** Fit Autoclic in an offset pattern on alternate ends of each length

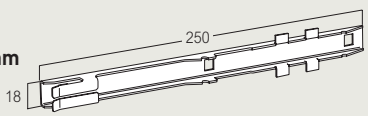
The table below indicates the recommended quantity of AUTOCLIC couplers required per width of steel wire cable tray
Note: wider widths need the addtion of either CEFAS (p. 50) or KITASSTR (p. 51) to provide additional support to the base

A ↔ A = side coupling = base coupling (B)

→	50		100		150 / 200		300		400 ➡ 500		600	
	A	B	A	B	A	B	A	B	A	B	A	B
CF54	2	0	2	0	2	0	2	1	2	2	2	3
CF105	–	–	2	0	2	1	2	2	😐	😐	😐	😐
CFG	–	–	2	1	2	1	2	1	–	–	–	–

■ Dimensions and weights

54 / 105 mm 50 ➔ 600 mm



Cat. Nos.	Weight (kg) GS	GC	304L	316L
AUTOCLIC	0·09	0·10	0·10	0·10

Please use Cat. No. when placing your order, see p. 18

All weights are given in Kilograms (kg)

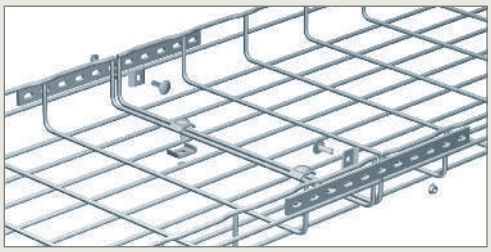
Key : GS Pre-galvanised; GC Hot dip galvanised after manufacture; 304L Stainless steel 304L; 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

joint strips – length to length coupling
ED275 - ED1100

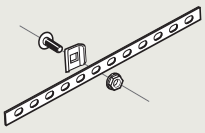
Use to provide additional support for length to length coupling
Fasteners are required to secure joint strips to the tray (see below)
ED275 supplied in packs of 50 without fasteners. ED1100 supplied singly without fasteners. Not suitable for 30 mm or 80 mm deep tray

Installation



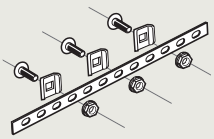
Joint strips attach to the side wire of the tray across the joint when used as a length to length coupler. Fasteners required (not supplied)

■ Assembly



BTRCC 1x
CE25 1x
ED275 1x

For lighter loads, use a single fastener



BTRCC 3x
CE25 3x
ED275 1x

For heavier loads, increase the number of fasteners

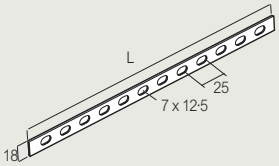
The table below indicates the recommended quantity of ED275/ED1100 joint strips per width and also KITASSTR (p. 50) as a base coupler

A → A = side coupling B = base coupling (CAA)

→	50		100		150		200		300		400 500		600	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
CF54	2	0	2	0	2	0	2	0	2	1	2	2	2	3
CF105	–	–	2	1	2	1	2	1	2	2	2	3	2	3
CF150	–	–	–	–	–	–	2	2	2	2	2	3	2	3
CFG	–	–	2	1	2	1	2	1	–	–	–	–	–	–

■ Dimensions and weights

54 / 105 / 150 mm 50 → 600 mm



Cat. No.	L mm	Weight (kg) EZ	GC	304L	316L
ED275	275	0·08	0·10	0·08	0·08
ED1100	1 000	0·49	0·55	–	0·38

Please use Cat. No. when placing your order, see p. 18
All weights are given in Kilograms (kg)

All dimensions (mm) are nominal

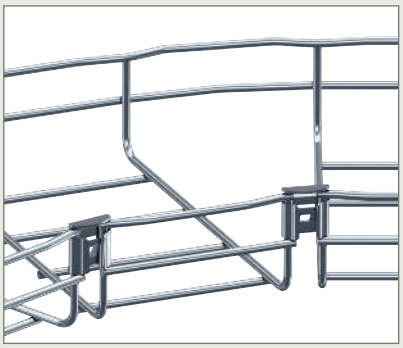
Key : EZ Electrogalvanising after manufacture; GC Hot dip galvanised after manufacture; 304L Stainless steel 304L; 316L Stainless steel 316L
For detailed information related to finishes, refer to **p. 116-117**

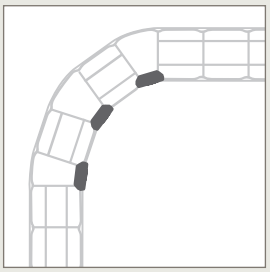
→ Straight lengths : see p. 38-44

couplers – fabricated fittings
FASLOCK AUTO

FASLOCK AUTO is used to form radius bends. For 100 mm and 200 mm wide steel wire cable tray use FASLOCK AUTO S (small). For 300 mm wide to 600 mm wide tray use FASLOCK AUTO XL (large)
Supplied in packs of 25. No additional fasteners or tools required.
For detailed installation instructions see p. 97-99

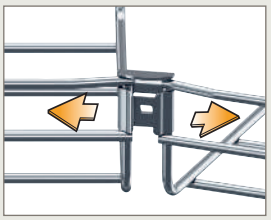
Installation





FASLOCK AUTO is positioned on the internal angle of a radius bend after steel wire cable tray has been cut. No fasteners required

■ Assembly



Clip FASLOCK AUTO into place. Safety edges protect both the cables and the installer

Patented — Fast assembling — Fixing without nuts and bolts

■ Dimensions and weights

30 → 150 mm 100 → 600 mm

Cat. Nos.	Weight (kg) EZ	DC	316L
FASLOCK AUTO S	0·01	0·01	0·01
FASLOCK AUTO XL	0·01	0·01	0·01

Please use Cat. No. when placing your order, see p. 18
All weights are given in Kilograms (kg)

All dimensions (mm) are nominal

Key : EZ Electrogalvanising after manufacture; DC Geomet; 316L Stainless steel 316L
For detailed information related to finishes, refer to **p. 116-117**

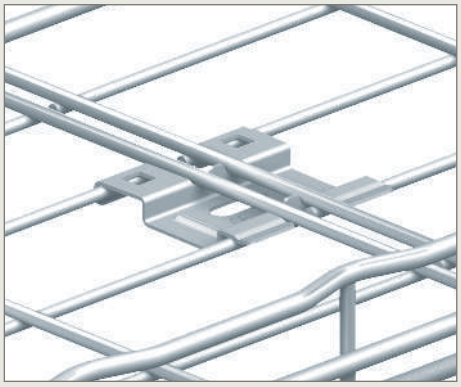
→ Creating a radius bend : see p. 98-101
→ Installing FASLOCK AUTO : see p. 97-99

base couplers – length to length
CEFAS - R15/25/35

■ CEFAS – base couplers

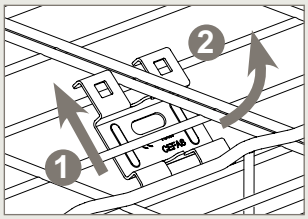
CEFAS couplers are used as base couplers or in conjunction with EDRN or AUTOCLIC as side rail couplers (p. 48). Can also be used as a luminaire support. Supplied in packs of 50. No additional fasteners or tools required

Installation

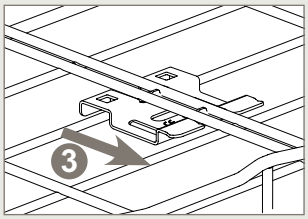


CEFAS used as a base coupler between two lengths of steel wire cable tray. No fasteners required

■ Assembly



1. and 2. insert CEFAS into the base of the tray as shown

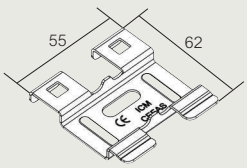


3. slide into place to secure
No fasteners required

Patented | Fast assembling | Fixing without nuts and bolts

■ Dimensions and weights

30 → 150 mm 100 → 600 mm



Cat. Nos.	Weight (kg) GS	DC	316L
CEFAS	0·03	0·04	0·34

Please use Cat. No. when placing your order, see p. 18

All weights are given in Kilograms (kg)

All dimensions (mm) are nominal

Key : GS Pre-galvanised | 316L Stainless steel 316L | DC Geomet

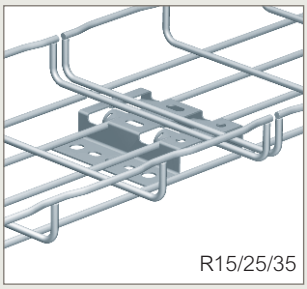
For detailed information related to finishes, refer to **p. 116-117**

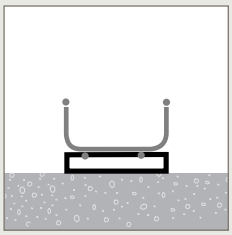
→ Straight lengths : see p. 38-44

■ R15/25/35 – stand-off brackets

Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 150 mm depths directly onto the floor. For 200 mm and 300 mm wide tray, use 2 x brackets per length. For 400 mm to 600 mm wide tray, use 3 x brackets per length. Can also be used for wall mounting (see p. 63). Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation





Mount tray runs on the floor using R15/25/35 and fasteners (not supplied)

■ Assembly

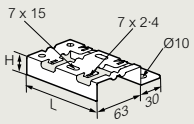
Securing stand-off brackets to steel wire cable tray

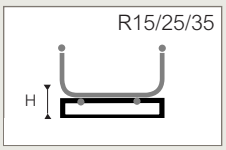
Patented | Fast assembling | Fixing without nuts and bolts

Slot base wires of the tray into the stand-off bracket and bend tabs with screwdriver to secure, as shown in the FAS diagram above

■ Dimensions and weights

30 → 105 mm 100 → 600 mm





Cat. No.	H mm	L mm	F daN	Weight (kg) GS	Z+	316L
R15/100	15	98	100	0·14	0·09	0·09
R15/300	15	300	100	0·38	0·41	–
R25	25	98	100	0·13	0·12	–
R35	35	98	50	0·15	0·14	–

Please use Cat. No. when placing your order, see p. 18

All weights are given in Kilograms (kg)

All dimensions (mm) are nominal

Key : GS Pre-galvanised | 316L Stainless steel 316L | Z+ Continuous galvanisation before manufacture

For detailed information related to finishes, refer to **p. 116-117**

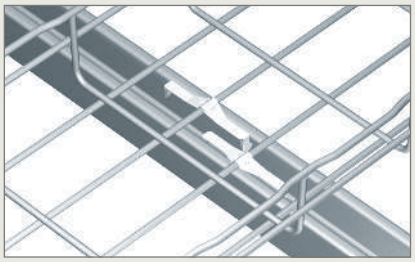
→ For wall mounting : see p. 63

→ For floor mounting : see p. 79

fixing components – channel fixings
FASTRUT 41

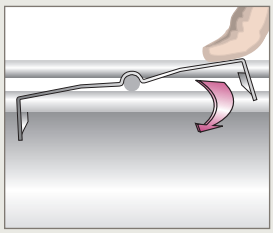
Use to secure steel wire cable tray to channel support or channel type cantilever arms. Supplied in packs of 50. No additional fasteners required

■ Installation



FASTRUT 41 in situ holding steel wire cable tray down to channel length

■ Assembly



Patented

Fast assembling

Fixing without nuts and bolts

Push fit FASTRUT 41 on to base wire of the tray and clip into position

■ Dimensions and weights

CF30/CF54/CF105 100 → 600 mm

Cat. No.	L mm	Weight (kg) DC	Weight (kg) 316L
FS41	73	0·01	0·01

Please use Cat. No. when placing your order, see p. 18

All weights are given in Kilograms (kg)

All dimensions (mm) are nominal

Key : DC Geomet — 316L Stainless steel 316L

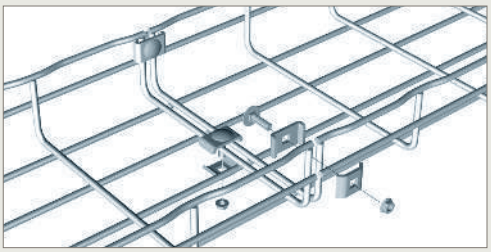
For detailed information related to finishes, refer to **p. 116-117**

→ Straight lengths : see p. 38-44

fixing kits – length to length coupling
KITASSTR - KITASSVS - KITINOX

Use for length to length coupling. Supplied in packs of 50

■ Installation



Fixing kits can be used to join two straight lengths. Use on both side wire and base of tray

■ Assembly

The table below indicates the recommended quantity of fixing kits required to couple straights lengths together

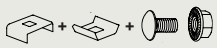
A → ← A = side coupling

= base coupling

	50		100		150		200		300		400 ➡ 450		500		600	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
CF30 - CF54	2	0	2	1	2	1	2	1	2	2	2	2	2	2	2	3
CF80	–	–	2	1	–	–	2	1	2	2	2	2	2	3	2	3
CF105	–	–	2	1	2	1	2	1	2	2	2	3	2	3	2	3
CF150	–	–	–	–	–	–	2	2	2	2	2	3	2	3	2	3
CFG	–	–	2	1	2	1	2	1	–	–	–	–	–	–	–	–

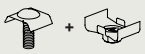
■ Dimensions and weights

KITASSTR



= CE25 + CE30 + BTRCC 6 x 20

KITASSVS



= CE25VS + CE30ES

KITINOX

= CE25VS + CE30 + EEC6

Cat. Nos.	Weight (kg) EZ	GC	DC	304L	316L
KITASSTR	0·03	0·03	–	–	–
KITASSVS	0·03	–	–	–	–
KITINOX	–	–	–	–	0·03
CE25	0·01	–	0·01	0·01	0·01
CE30	0·01	–	0·01	0·01	0·01
BTRCC6 x 20	0·01	–	0·01	0·01	0·01

Please use Cat. No. when placing your order, see p. 19

All weights are given in Kilograms (kg)

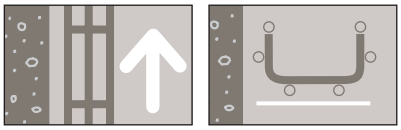
All dimensions (mm) are nominal

Key : EZ Electrogalvanising after manufacture — DC Geomet — GC Hot dip galvanised after manufacture — 304L Stainless steel 304L — 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

→ Straight lengths : see p. 38-44

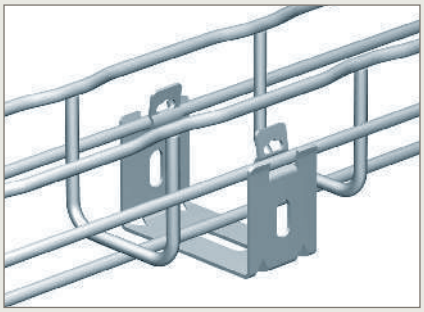
wall mounting – light duty
UC50

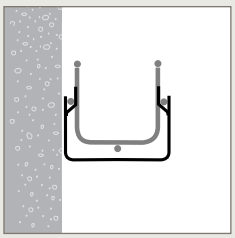


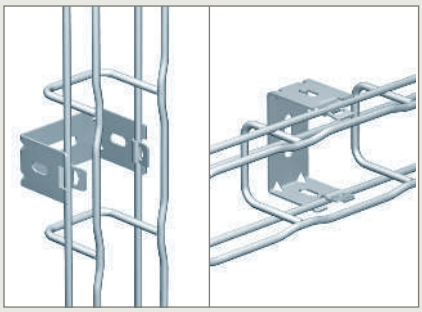
■ UC50 – support cradles

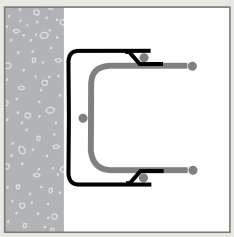
Use as a support cradle for 50 mm wide steel wire cable tray in 30 mm or 54 mm depths
Can be mounted directly onto the wall - horizontally or vertically, or onto wall mounted cantilever arms using fasteners (see below for assembly information)
Can also be ceiling mounted in conjunction with CEQ (see p. 67) or floor mounted (see p. 80). Supplied singly without fasteners

■ Installation

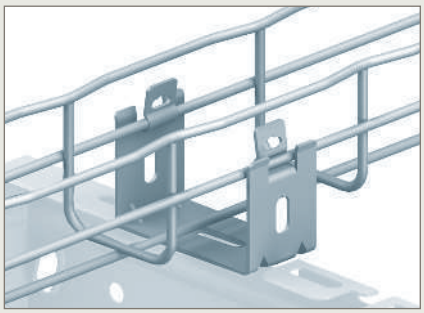


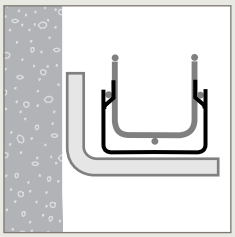






Mount directly onto wall using fasteners (not supplied)

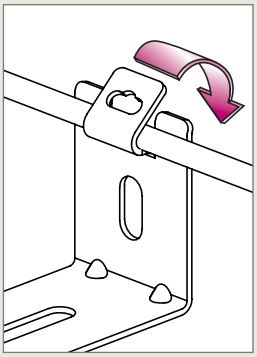




Mount onto wall mounted cantilever arms using fasteners (not supplied)

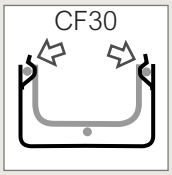
■ Assembly

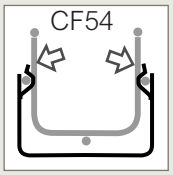
Securing UC50 to steel wire cable tray



Fast assembling

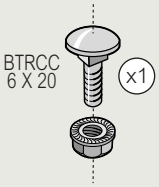
Fixing without nuts and bolts





Bend tabs with screwdriver to secure to steel wire cable tray

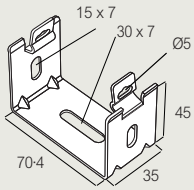
Securing UC50 to cantilever arm



Use BTRCC 6 x 20 (see p. 35) to secure to cantilever arms

■ Dimensions and weights

30 → 54 mm **50 mm**



Cat. Nos.	F daN	Weight (kg) GS	GC	304L	316L
UC50	12	0·06	0·07	0·06	0·06

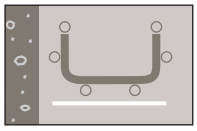
Please use Cat. No. when placing your order, see p. 20
All weights are given in Kilograms (kg)

→ For ceiling mounting : see p. 67
→ For cantilever arms : see p. 56-62

Key :
GS Pre-galvanised
GC Hot dip galvanised after manufacture
304L Stainless steel 304L
316L Stainless steel 316L
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

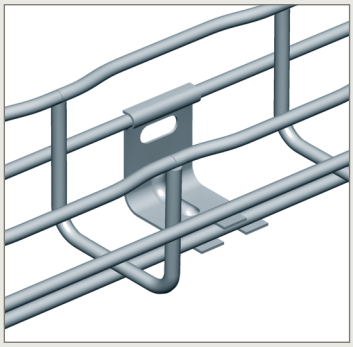
wall mounting – light duty
CAT30

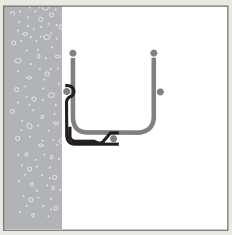


■ CAT30 – cantilever arm / wall fixing plates

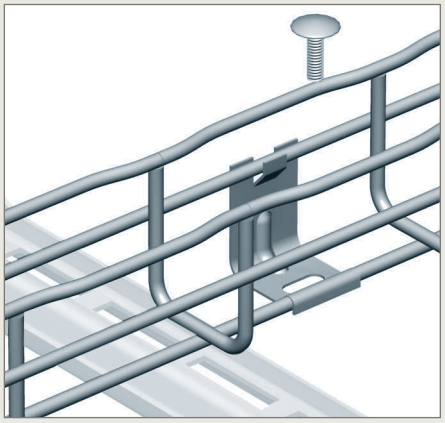
Use to fix 50 mm wide steel wire cable tray in 30 mm or 54 mm depths directly onto the wall or onto wall mounted cantilever arms using fasteners (see below for assembly information)
Supplied singly without fasteners

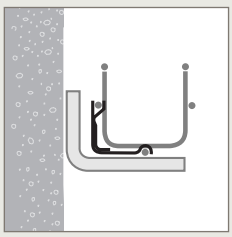
■ Installation





Mount directly onto the wall using fasteners (not supplied)

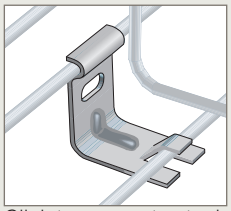


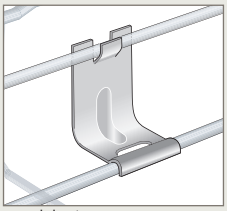


Mount onto wall mounting cantilever arms using fasteners (not supplied)

■ Assembly

Securing CAT30 to steel wire cable tray

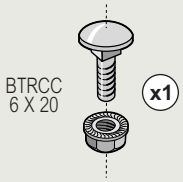




Fixing without nuts and bolts

Click to secure to steel wire cable tray

Securing CAT30 to cantilever arms



Use BTRCC 6 x 20 (see p. 35) to secure to cantilever arms

→ For cantilever arms : see p. 56-62

■ Dimensions and weights

30 → 54 mm 50 mm

Cat. Nos.	F daN	Weight (kg) GS	DC
CAT30	20	0·03	0·03

Please use Cat. No. when placing your order, see p. 20

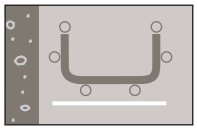
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised
DC Geomet

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

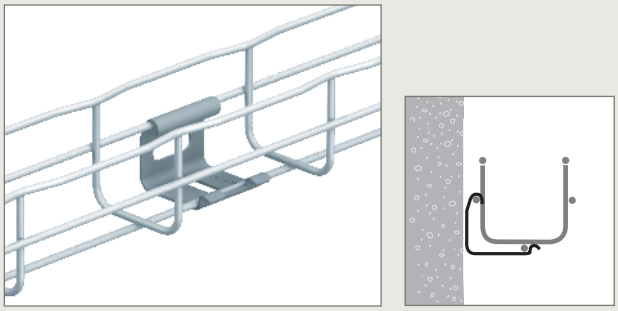
wall mounting – light duty
CAT40



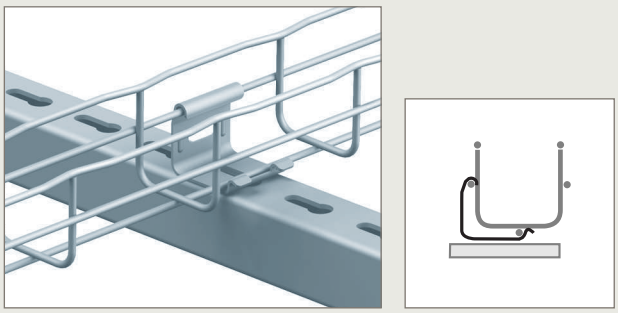
■ CAT40 – channel / wall fixing plates

Use to fix 50 mm wide steel wire cable tray in 30 mm or 54 mm depths directly onto the wall or onto wall mounted channel support
Attach to wall or channel support using fasteners (see below for assembly information)
Can also be clipped onto most steel wire cable trays as an ancillary mounting plate (see p. 87). Supplied singly without fasteners

■ Installation



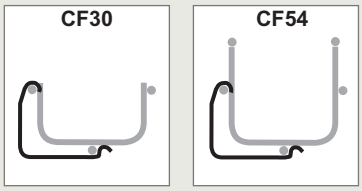
Mount directly onto wall using fasteners (not supplied)



Mount onto wall mounted channel support using fasteners (not supplied)

■ Assembly

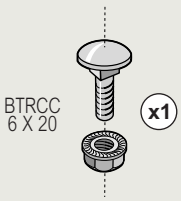
Securing CAT40 to steel wire cable tray



Fixing without nuts and bolts

Click to secure to steel wire cable tray

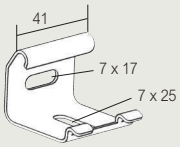
Securing CAT40 to channel support



Use BTRCC 6 x 20 (see p. 35) to secure to channel support

■ Dimensions and weights

30 → 54 mm 50 mm



Cat. Nos.	F daN	Weight (kg) GS	DC	316L	304L
CAT40	20	0·04	0·04	0·04	0·04

Please use Cat. No. when placing your order, see p. 20

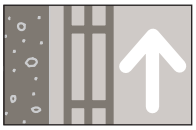
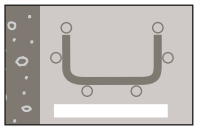
All weights are given in Kilograms (kg)

Key :
- GS Pre-galvanised
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

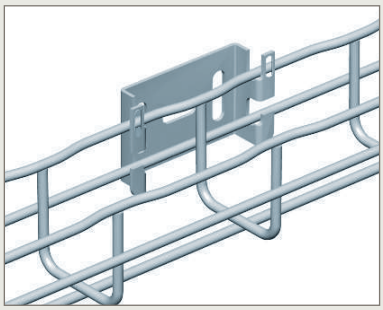
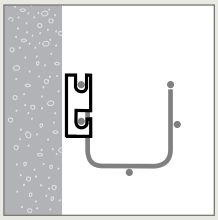
wall mounting – medium duty
CM50 – CM50XL

■ CM50 – universal mounting plates (small)

Use to fix 50 mm wide steel wire cable tray in 54 mm depth directly onto the wall using the side rail of tray
Use for horizontal mounting of steel wire cable tray runs. Incorporates slot and tab design for easy fixing
Can also be clipped onto most steel wire cable trays as an ancillary mounting plate (see p. 87). Supplied singly without fasteners

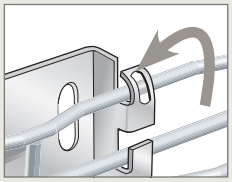
■ Installation

Mount directly onto wall using fasteners (not supplied)

■ Assembly

Securing CM50 to steel wire cable tray



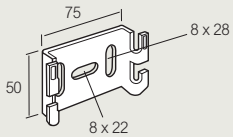
Bend tabs with screwdriver to secure to steel wire cable tray


Fast assembling


Fixing without nuts and bolts

■ Dimensions and weights

54 mm 50 mm



Cat. Nos.	Weight (kg) GS	GC	304L	316L
CM50	0·08	0·08	0·07	0·07

Please use Cat. No. when placing your order, see p. 20
All weights are given in Kilograms (kg)

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

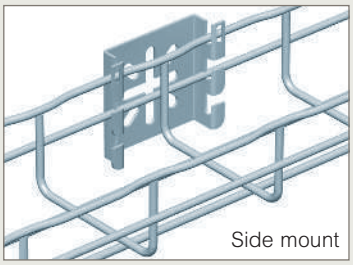
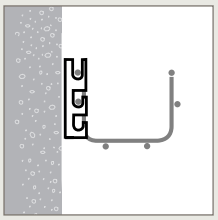
For detailed information related to finishes, refer to **p. 116-117**

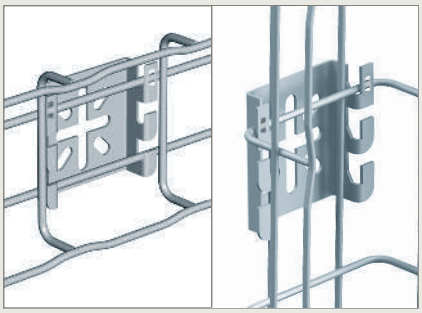
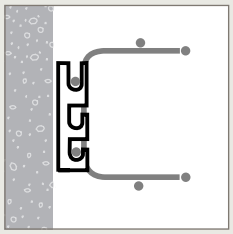
All dimensions (mm) are nominal

■ CM50XL – universal mounting plates (large)

Use to fix 50 mm to 100 mm wide steel wire cable tray in 54 mm and 80 mm depths directly onto the wall using side rail of tray, and 100 mm to 600 mm wide tray in 30 mm to 105 mm depths (including CFG) using base of tray. Can be used for horizontal and vertical mounting of cable tray runs. Can also be used for ceiling mounting (see p. 69) and floor mounting (see p. 78). Incorporates slot and tab design for easy fixing. Supplied singly without fasteners

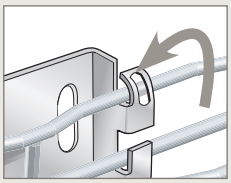
■ Installation


Side mount



Base mount - horizontal Base mount - vertical


■ Assembly

Securing CM50XL to steel wire cable tray



Bend tabs with screwdriver to secure to steel wire cable tray

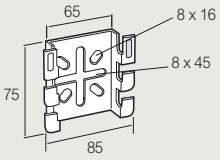

Fast assembling


Fixing without nuts and bolts

■ Dimensions and weights

54 mm →80 mm 50 → 100 mm (side rail mounted)

30 mm →105 mm 100 → 600 mm (base mounted)

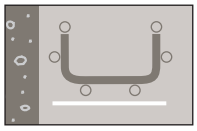


Cat. Nos.	Weight (kg) GS	GC	304L	316L
CM50XL	0·10	0·11	0·08	0·08

Please use Cat. No. when placing your order, see p. 20
All weights are given in Kilograms (kg)

For ceiling mounting : see p. 69
For floor mounting : see p. 78

wall mounting – medium duty
CSN



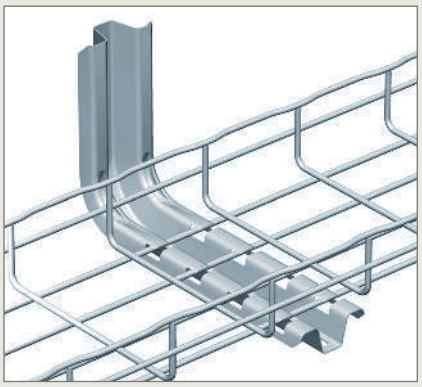
■ CSN – profile cantilever arms
INTERFAS – adaptor plate
EPVCSN – end cap

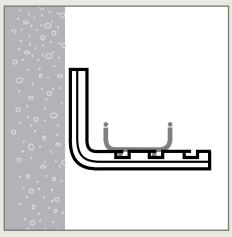
CSN - profile cantilever arms
Use to support 100 mm to 450 mm wide steel wire cable tray in 30 mm and 54 mm depths. Can be wall mounted using fasteners (see below) or pendant drop mounted using EDF mounting rail (see p. 76). Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

INTERFAS - adaptor plate
Used as a tool-less mounting device to attach CSN profile cantilever arms to channel section
Supplied singly

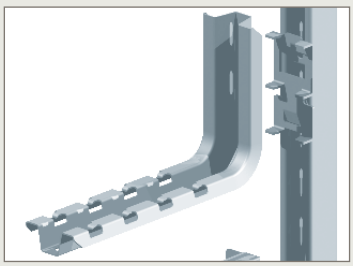
EPVCSN - end cap
PVC end cap for CSN profile cantilever arms
Supplied singly

■ Installation





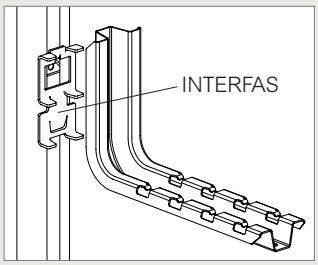
Mount directly onto wall using fasteners (not supplied)



Slot CSN into INTERFAS. No additional fasteners required

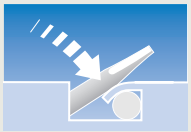
■ Assembly

Securing CSN to channel



Mount onto wall mounted channel support using INTERFAS

Securing CSN to steel wire cable tray



FAST FAST ASSEMBLING SYSTEM

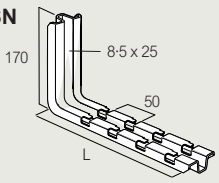
Patented | Fast assembling | Fixing without nuts and bolts

Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram above

■ Dimensions and weights

30 → 54 mm 100 → 450 mm

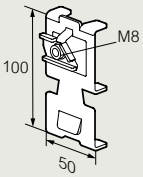
CSN



Cat. Nos.	L mm	F daN	Weight (kg) GS	GC	304L	316L
CSN100	178	30	0·37	0·40	0·40	0·40
CSN150	228	110	0·42	0·47	0·41	0·41
CSN200	278	85	0·47	0·53	0·51	0·51
CSN300	378	73	0·73	0·76	0·64	0·64
CSN400	478	56	0·82	0·92	–	–
CSN450	528	50	0·91	0·97	–	–

Please use Cat. No. when placing your order, see p. 21
All weights are given in Kilograms (kg)

INTERFAS



Cat. No.	L mm	Weight (kg) GS	GC
INTERFAS	100	0·08	0·08

Please use Cat. No. when placing your order, see p. 24
All weights are given in Kilograms (kg)

EPVCSN

Cat. No.	Weight (kg) PVC
EPVCSN	0·01

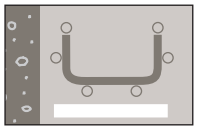
Please use Cat. No. when placing your order, see p. 21
All weights are given in Kilograms (kg)

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- PVC PVC
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

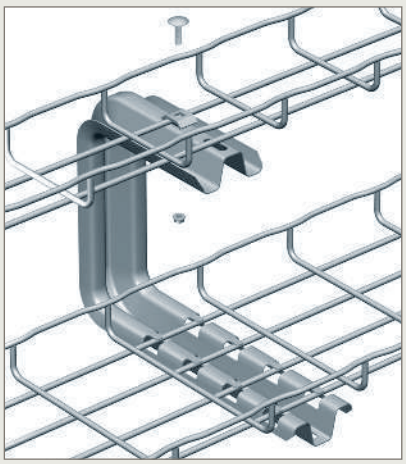
wall mounting – medium duty
CSNC

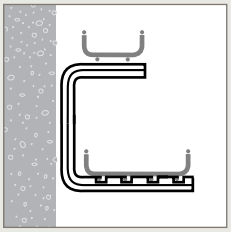


■ CSNC – profile roof cantilever arms

Use to support 100 mm to 450 mm wide steel wire cable tray in 30 mm and 54 mm depths. Can be wall mounted using fasteners (see below) or ceiling mounted (see p. 73). Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation





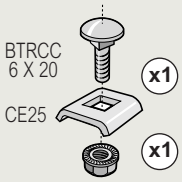
Mount directly onto wall using fasteners (not supplied). Steel wire cable tray can be fitted to the main or profile arm of the cantilever (see assembly detail below)

■ Assembly

CSNC - securing cantilever arm to steel wire cable tray

FAST
FAST ASSEMBLING SYSTEM

Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram



Use BTRCC 6 x 20 + CE25 to secure tray to the profile arm of the cantilever

Patented

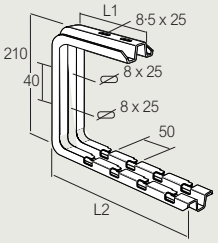
Fast assembling

Fixing without nuts and bolts

→ For ceiling mounting : see p. 73

■ Dimensions and weights

30 → 54 mm 100 → 450 mm



Cat. Nos.	L1 ↔ mm	L2 ↔ mm	F daN	Weight (kg) GS	GC	316L
CSNC100	170	178	120	0·57	0·65	0·60
CSNC150	170	228	100	0·63	0·72	0·67
CSNC200	170	278	80	0·68	0·80	0·72
CSNC300	288	378	70	1·30	1·35	–
CSNC400	288	478	48	1·36	1·38	–
CSNC450	288	528	44	1·40	1·47	–

Please use Cat. No. when placing your order, see p. 21

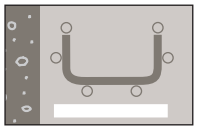
All weights are given in Kilograms (kg)

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

wall mounting – medium duty
CG, EDF, RE41SP



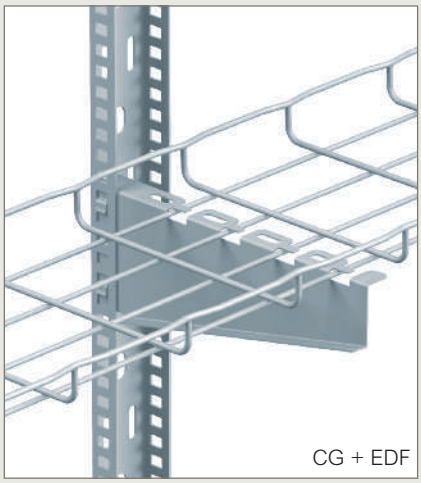
■ CG – cantilever arms for rail mounting only
EDF – pendants / mounting rails
RE41SP – pendants / mounting rails (heavy duty)

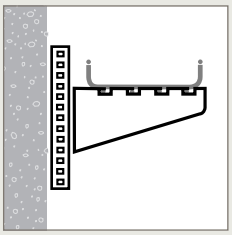
CG - cantilever arms for rail mounting
Use to support 100 mm to 500 mm wide steel wire cable tray in 30 mm and 54 mm depths. Mount directly onto EDF and RE41SP mounting rails Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

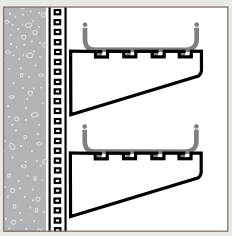
EDF - pendants / mounting rails
Use as a wall mounted rail or can be pendant mounted using PFREDF (see p. 76)
Supplied singly without fasteners

RE41SP - pendants / mounting rails (heavy duty)
Use as a wall mounted rail or can be pendant mounted using PFR41S (see p. 77)
Supplied singly without fasteners

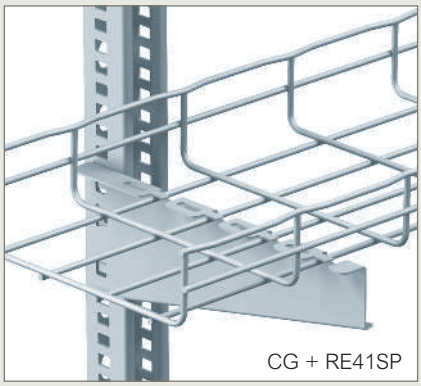
■ Installation

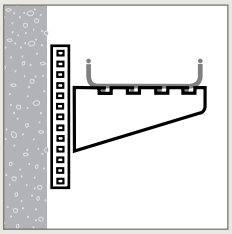






CG mounted onto EDF rail. No fasteners required





CG mounted onto RE41SP rail. No fasteners required

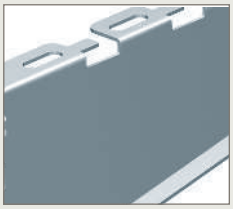
→ For ceiling (pendant) mounting : see p. 76-77

■ CG – cantilever arms for rail mounting only
EDF – pendants / mounting rails
RE41SP – pendants / mounting rails (heavy duty) (continued)

■ Assembly

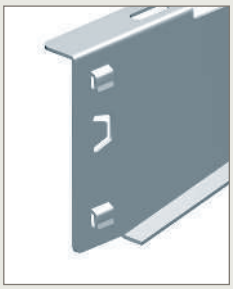
Patented | Fast assembling | Fixing without nuts and bolts

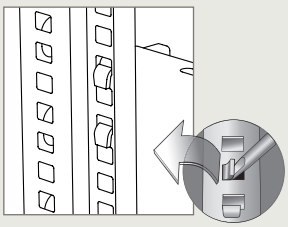
CG - securing cantilever arm to steel wire cable tray



Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram

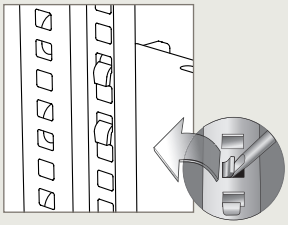
EDF - CG - securing cantilever arm to mounting rail





Bend tabs on cantilever arm to secure to the internal edge of the EDF mountig rail. No fasteners required

RE41SP - CG - securing cantilever arm to mounting rail



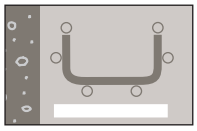
Bend tabs on cantilever arm to secure to the external edge of the RE41SP mountig rail. No fasteners required

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

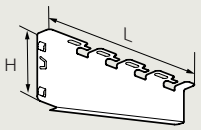
wall mounting – medium duty
CG – EDF – RE41SP (continued) – CB



■ CG – cantilever arms for rail / pendant mounting only
EDF – pendants / mounting rails
RE41SP – pendants / mounting rails (heavy duty) (continued)

■ Dimensions and weights

CG ↕ 30 → 54 mm ↔ 100 → 500 mm

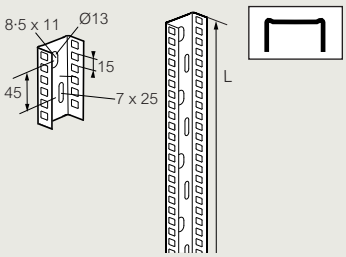


Cat. Nos.	L mm	H mm	F daN	Weight (kg) GS	Weight (kg) 316L
CG100	153	73	55	0·10	0·13
CG150	203	73	50	0·11	0·15
CG200	253	87	65	0·22	0·27
CG300	353	87	70	0·33	0·39
CG400	453	103	100	0·44	0·50
CG500	553	103	85	0·55	0·61

Please use Cat. No. when placing your order, see p. 22

All weights are given in Kilograms (kg)

EDF ↕ 30 → 150 mm ↔ 100 → 600 mm

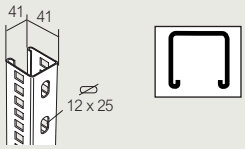


Cat. Nos.	L mm	F daN	Weight (kg) GS	Weight (kg) GC	Weight (kg) 304L	Weight (kg) 316L
EDF600	600	50	0·77	0·83	–	–
EDF1000	1 000	65	1·19	1·24	–	–
EDF2000	2 000	70	2·40	2·56	2·48	2·48
EDF3000	3 000	100	3·66	3·89	–	–

Please use Cat. No. when placing your order, see p. 24

All weights are given in Kilograms (kg)

RE41SP ↕ 30 → 150 mm ↔ 100 → 600 mm



Cat. Nos.	L mm	mm	Weight (kg) GS
RE41SP500	500	2	1·30
RE41SP800	800	2	1·90
RE41SP1000	1 000	2	2·60
RE41SP3000	3 000	2	7·90

Please use Cat. No. when placing your order, see p. 24

All weights are given in Kilograms (kg)

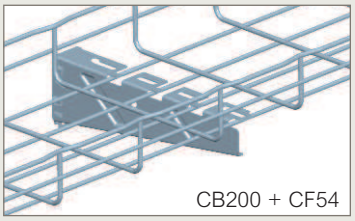
→ For ceiling (pendant) mounting : see p. 76-77

■ CB – compact cantilever arms for universal mounting

CB

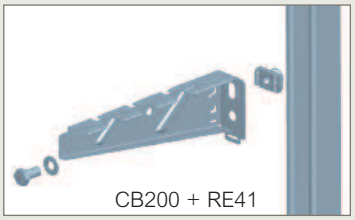
Use to support 50 to 400 mm wide steel wire cable tray in 30 and 54 mm depths only. Mount directly onto wall, channel or EDF mounting rail, (see p. 60). Incorporates slot and tab design for easy fixing
Supplied singly without fasteners

■ Installation



CB200 + CF54

Steel wire cable tray mounted onto CB200



CB200 + RE41

CB200 mounted onto channel (fasteners not supplied)

CB200 + EDF

CB200 mounted onto EDF mounting rail

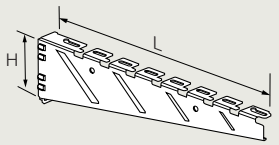
■ Assembly

CB - securing cantilever arm to steel wire cable tray

Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram

■ Dimensions and weights

CB ↕ 30 / 54 mm ↔ 50 → 400 mm



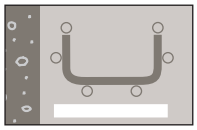
Cat. Nos.	L mm	H mm	F daN	Weight (kg) GC	Weight (kg) 316L
CB50	81	71	95	0·096	0·092
CB100	131	71	110	0·125	0·120
CB150	181	75	110	0·173	0·166
CB200/250	231	75	110	0·201	0·193
CB300	335	88	120	0·371	0·355
CB400	435	102	120	0·514	0·492

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

wall mounting – medium duty
CU – EDF – RE41SP



■ CU – cantilever arms - 50-300 and 400-600 EDF – pendants / mounting rails RE41SP – pendants / mounting rails (heavy duty)

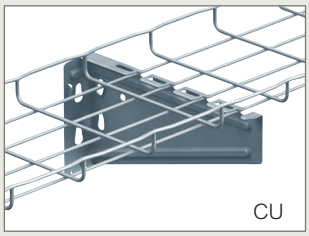
CU50-300 - cantilever arms
Use to support 100 mm to 300 mm wide steel wire cable tray in 30 mm to 150 mm depths. Mount directly onto wall or use with EDF mounting rails. Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

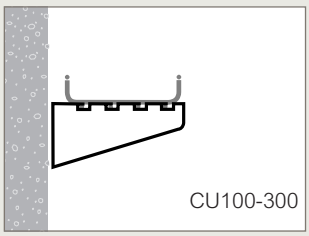
CU400-600 - cantilever arms
Use to support 400 mm to 600 mm wide steel wire cable tray in 30 mm to 150 mm depths. Mount directly onto wall or use with EDF or RE41SP mounting rails. Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

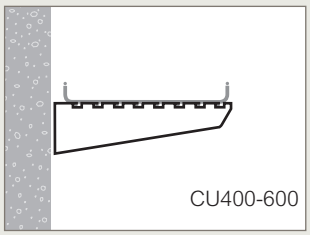
EDF - pendants / mounting rails
Use as a wall mounted rail or can be pendant mounted using PFREDF (see p. 76)
Supplied singly without fasteners

RE41SP - pendants / mounting rails (heavy duty)
Use as a wall mounted rail or can be pendant mounted using PFR41S (see p. 77)
Supplied singly without fasteners

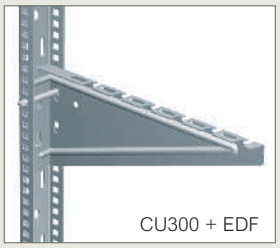
■ Installation

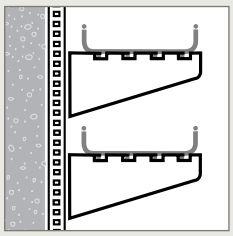




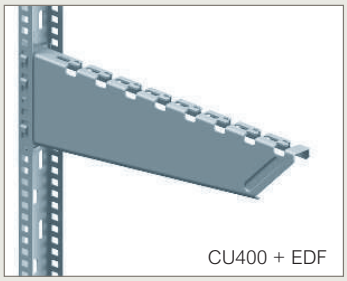


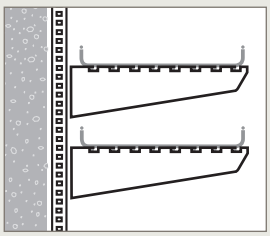
CU mounted directly onto wall using fasteners (not supplied)





CU300 mounted onto EDF rail using CA 8 x 75 (see opposite)



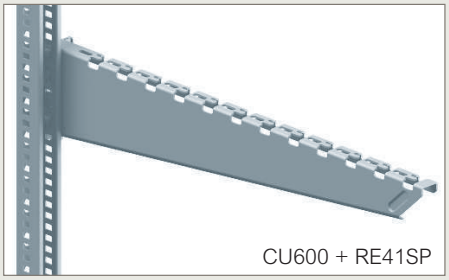


CU mounted onto EDF mounting rail. No fasteners required

For ceiling (pendant) mounting : see p. 76-77

■ CU – cantilever arms - 50-300 and 400-600 EDF – pendants / mounting rails RE41SP – pendants / mounting rails (heavy duty)(continued)

■ Installation (continued)



Mounted onto RE41SP mounting rail

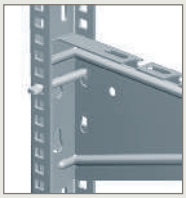
■ Assembly

Patented | Fast assembling | Fixing without nuts and bolts

CU50-300 - securing cantilever arm to steel wire cable tray

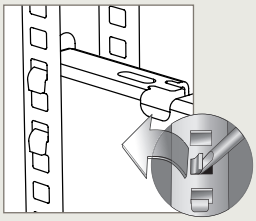
Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram

EDF - CU50-300 - securing cantilever arm to mounting rail



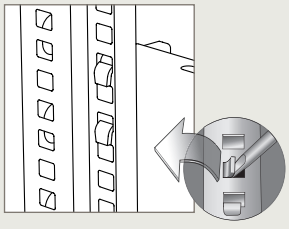
CA 8 x 75 pins are required to lock CU50-300 cantilever arms in place on EDF mounting rail

EDF - CU400-600 - securing cantilever arm to mounting rail



Bend tabs on cantilever arm to secure to the internal edge of the EDF mountig rail. No fasteners required

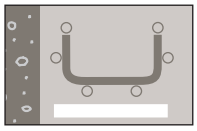
RE41SP - CU400-600 - securing cantilever arm to mounting rail



Bend tabs on cantilever arm to secure to the external edge of the RE41SP mountig rail. No fasteners required

All dimensions (mm) are nominal

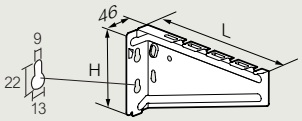
wall mounting – medium duty
CU – EDF – RE41SP (continued)



■ **CU – cantilever arms - 50-300 and 400-600**
EDF – pendants / mounting rails
RE41SP – pendants / mounting rails (heavy duty)(continued)

■ **Dimensions and weights**

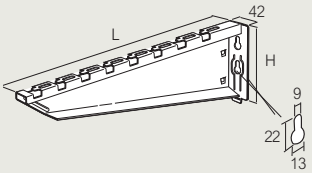
CU 30 → 150 mm 100 → 300 mm



Cat. Nos.	L mm	H mm	F daN		Weight (kg) GS	GC	316L
CU50	107	85	30	65	0·08	0·09	0·08
CU100	157	85	30	45	0·12	0·13	0·11
CU150	207	124	70	135	0·19	0·24	0·20
CU200	257	139	80	110	0·24	0·29	0·26
CU300	357	139	80	120	0·37	0·42	0·37

Please use Cat. No. when placing your order, see p. 22
All weights are given in Kilograms (kg)

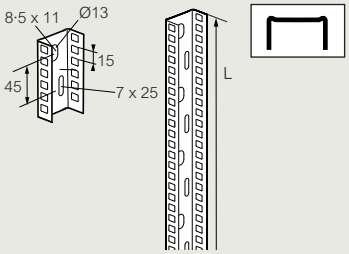
CU 30 → 150 mm 400 → 600 mm



Cat. Nos.	L mm	H mm	F daN		Weight (kg) GS	GC	316L
CU400	457	138	105	115	0·80	0·86	0·80
CU500	557	138	220	160	1·50	1·61	1·55
CU600	657	138	200	145	1·70	1·83	1·75

Please use Cat. No. when placing your order, see p. 22
All weights are given in Kilograms (kg)

EDF 30 → 150 mm 100 → 600 mm



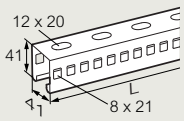
Cat. No.	L mm	F daN	Weight (kg) GS	GC	304L	316L
EDF300	270	55	0·33	0·34	–	–
EDF600	600	50	0·77	0·83	–	–
EDF1000	1 000	65	1·19	1·24	–	–
EDF2000	2 000	70	2·40	2·56	2·48	2·48
EDF3000	3 000	100	3·66	3·89	–	–

Please use Cat. No. when placing your order, see p. 24
All weights are given in Kilograms (kg)

→ For ceiling (pendant) mounting : see p. 76-77

■ **Dimensions and weights (continued)**

RE41SP 30 → 150 mm 100 → 600 mm



Cat. Nos.	L mm	mm	Weight (kg) GS
RE41SP500	500	2	1·30
RE41SP800	800	2	1·90
RE41SP1000	1 000	2	2·60
RE41SP3000	3 000	2	7·90

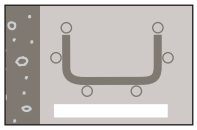
Please use Cat. No. when placing your order, see p. 24
All weights are given in Kilograms (kg)

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

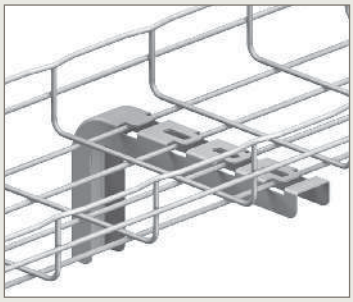
wall mounting – medium duty
CLN – CC21S

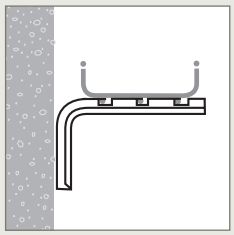


■ CLN – cantilever arms

Use to support 100 mm to 300 mm wide steel wire cable tray in 30 mm to 54 mm depths. Wall mount using fasteners. Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation





Mount directly onto wall using fasteners (not supplied)

■ Assembly

Securing CLN to steel wire cable tray

Patented

Fast assembling

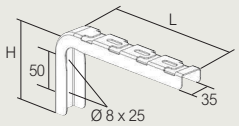
Fixing without nuts and bolts

FAST
FAST ASSEMBLING SYSTEM

Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram

■ Dimensions and weights

30 → 54 mm 100 → 300 mm



Cat. Nos.	L mm	H mm	F daN	Weight (kg) GS	GC
CLN100	100	125	95	0·16	0·20
CLN150	150	125	70	0·19	0·23
CLN200	200	125	40	0·23	0·27
CLN300	300	125	25	0·29	0·33

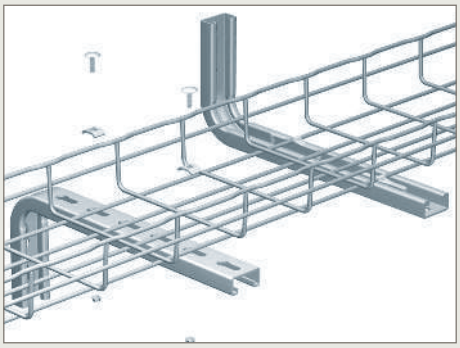
Please use Cat. No. when placing your order, see p. 23

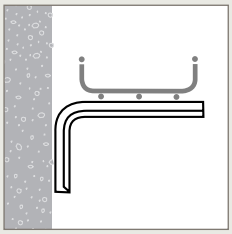
All weights are given in Kilograms (kg)

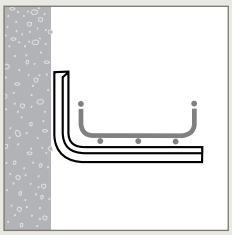
■ CC21S – cantilever arms

Use to support 100 mm to 400 mm wide steel wire cable tray in 30 mm to 105 mm depths. Can be wall mounted using fasteners (see below) or pendant drop mounted. Supplied singly without fasteners

■ Installation



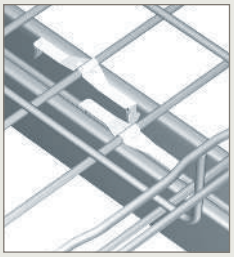




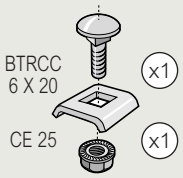
Mount tray to top or base side of the cantilever arm using fasteners (not supplied). See assembly detail below

■ Assembly

Securing CC21S to steel wire cable tray



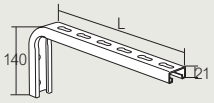
Secure to steel wire cable tray using FASTRUT 41 when grooved edge is facing upwards



Secure to steel wire cable tray using fasteners when flat surface is facing upwards

■ Dimensions and weights

30 → 105 mm 100 → 400 mm



Cat. Nos.	L mm	F daN	Weight (kg) GS	316L
CC21S150	150	135	0·33	0·36
CC21S200	200	108	0·39	0·42
CC21S300	300	80	0·46	0·50
CC21S400	400	92	0·55	0·59

Please use Cat. No. when placing your order, see p. 23

All weights are given in Kilograms (kg)

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

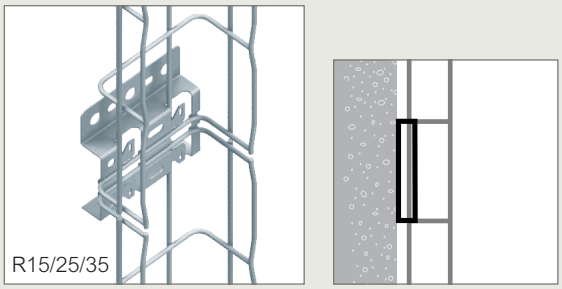
wall mounting – horizontal or vertical mounting
R15/25/35 – R55

■ R15/25/35 – stand-off brackets – couplers
R55 – stand-off brackets

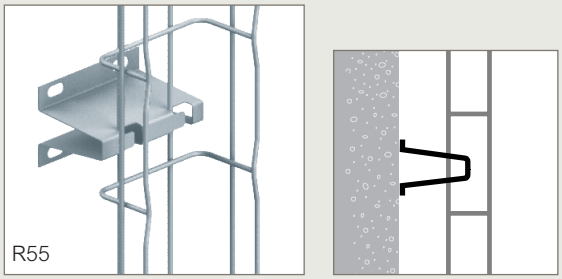
R15/25/35 - stand-off brackets
Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths directly onto the wall. Can be used for horizontal and vertical mounting of cable tray runs. Can also be used for floor mounting (see p. 79) and as a base coupler (see p. 50). Incorporates slot and tab design for easy fixing. Supplied singly without fasteners

R55 - stand-off brackets
Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths directly onto the wall. Can be used for horizontal and vertical mounting of cable tray runs. Can also be used for floor mounting (see p. 79). Incorporates slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation



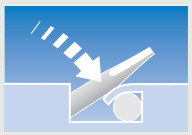
Mount directly onto wall using fasteners (not supplied). Vertical mounting of tray shown - horizontal mounting also possible



Mount directly onto wall using fasteners (not supplied). Vertical mounting of tray shown - horizontal mounting also possible

■ Assembly

Securing R15/25/35/55 to steel wire cable tray



FAST ASSEMBLING SYSTEM

Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram

Fast assembling

Fixing without nuts and bolts

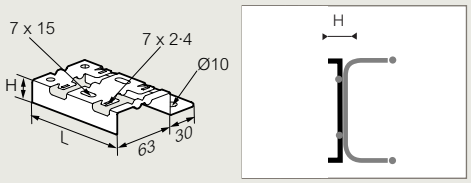
NOTE :
200 to 300 mm wide tray requires 2 x brackets mounted side by side across the width of the tray. 400 to 600 mm wide tray requires 3 x brackets

→ For base coupling : see p. 50

→ For floor mounting : see p. 79

■ Dimensions and weights

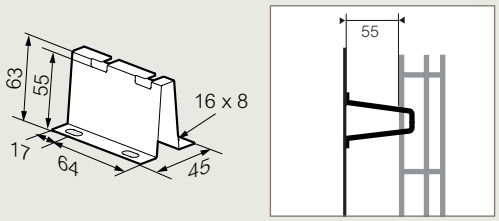
R15/25/35 ↕ 30 → 105 mm ↔ 100 → 600 mm



Cat. No.	H mm	L mm	F daN	Weight (kg) GS	Z+	316L
R15/100	15	98	100	0·14	0·09	0·09
R15/300	15	300	100	0·38	0·41	–
R25	25	98	100	0·13	0·12	–
R35	35	98	50	0·15	0·14	–

Please use Cat. No. when placing your order, see p. 23
All weights are given in Kilograms (kg)

R55 ↕ 30 → 105 mm ↔ 100 → 600 mm



Cat. No.	H mm	F daN	Weight (kg) GS	Z+	316L
R55	55	45	0·12	0·12	0·12

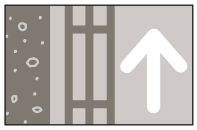
Please use Cat. No. when placing your order, see p. 23
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised; 316L Stainless steel 316L; Z+ Continuous galvanisation before manufacture

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

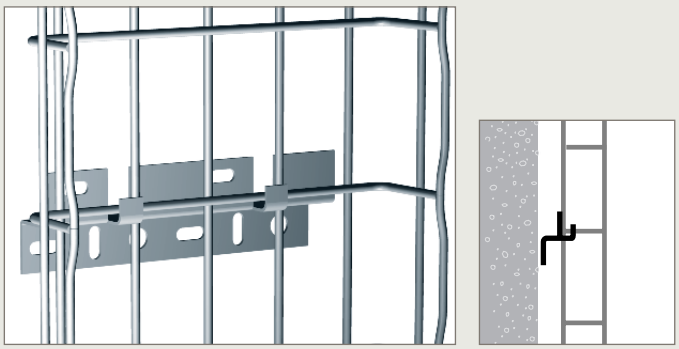
wall mounting – vertical mounting
FV1



■ FV1 – mounting bracket

Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths directly onto the wall. Can be used for vertical mounting of cable tray runs. Incorporates slot and tab design for easy fixing. Supplied singly without fasteners

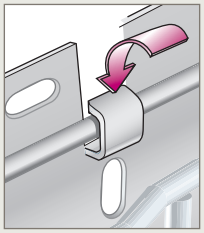
■ Installation



Mount directly onto wall using fasteners (not supplied)

■ Assembly

Securing FV1 to steel wire cable tray



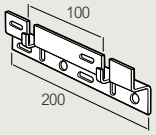
Fast assembling

Fixing without nuts and bolts

Bend tabs with screwdriver or pliers to secure FV1 to base of tray

■ Dimensions and weights

30 → 105 mm **100 → 600 mm**



Cat. No.	F daN	Weight (kg) GS	DC	316L
FV1	100	0·31	0·31	0·25

Please use Cat. No. when placing your order, see p. 23

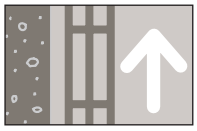
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised; DC Geomet; 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

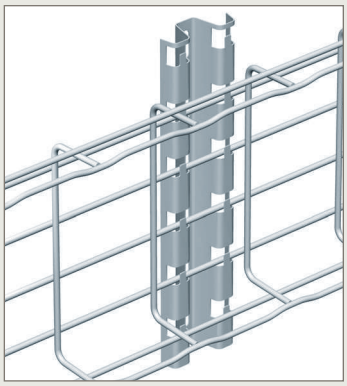
wall mounting – horizontal or vertical mounting
RCSN

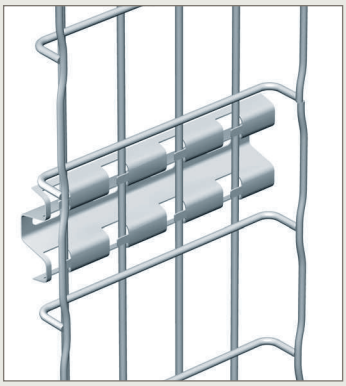


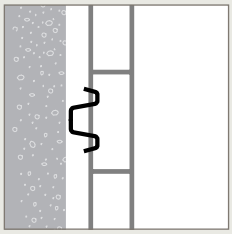
■ RCSN – fast fix support rails

Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths directly onto the wall. Can be used for horizontal and vertical mounting of cable tray runs. Can also be used for ceiling mounting (see. p. 71) and for floor mounting (see p. 78, 82)
Incorporates slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation







Mount directly onto wall using fasteners (not supplied) to run tray in a vertical or horizontal direction

■ Assembly

FAST
FAST ASSEMBLING SYSTEM

Fast assembling

Fixing without nuts and bolts

Slot base wires of the tray into the support rail and bend tabs with screwdriver to secure, as shown in the FAS diagram above

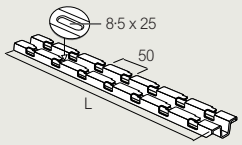
16 mm spacing from underside of base wire to wall

→ For ceiling mounting : see p. 71

→ For floor mounting : see p. 78, 82

■ Dimensions and weights

↕ 30 → 105 mm ↔ 100 → 600 mm



Cat. Nos.	L mm	F daN	Weight (kg) GS	GC	304L	316L
RCSN150	150	100	0·16	0·17	–	0·16
RCSN200	200	100	0·23	0·23	–	0·22
RCSN300	300	100	0·33	0·36	–	0·33
RCSN400	400	100	0·38	0·49	–	0·45
RCSN500	500	100	0·54	0·61	–	0·59
RCSN550	550	100	0·63	0·65	–	–
RCSN600	600	100	0·67	0·70	–	0·69
RCSN1000	1 000	100	1·18	1·23	–	1·21
RCSN2000	2 000	100	2·20	2·42	2·30	2·30
RCSN3000	3 000	100	3·54	3·78	3·65	3·65

Please use Cat. No. when placing your order, see p. 24

All weights are given in Kilograms (kg)

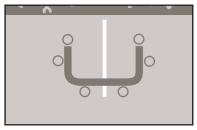
Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

ceiling mounting – central hangers

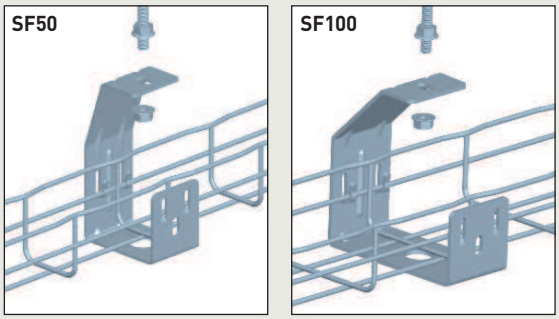
SF50 – SF100 – SL50



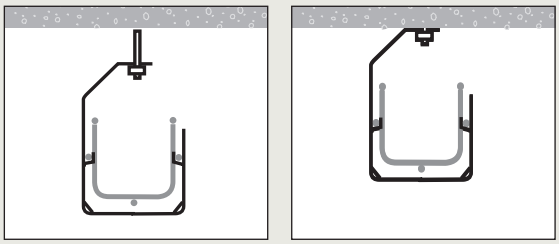
■ SF50 – SF100 – central hangers

Used with threaded rod and fasteners to form a central hanger to suspend steel wire cable tray from ceiling. Can also be bolted directly to the ceiling
Use SF50 for 50 mm wide steel wire cable tray in 30 mm and 54 mm depths and SF100 for 100mm wide tray in 30 mm and 54 mm depths
Incorporates slot and tab design for easy fixing
Supplied singly without fasteners

■ Installation



SF50 and SF100 used to suspend tray from ceiling with threaded rod and fasteners (not supplied). Provision of base hole enables easy access for installation

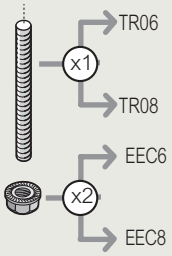


Suspended with threaded rod and fasteners (not supplied)

Bolted directly to ceiling. Fasteners not supplied

■ Assembly

Suspending SF50 / SF100 from ceiling



Use TR06 (M6 x 3m) or TR08 (M8 x 3m) threaded rod and 2 x EEC6 (6mm) or 2 x EEC8 (8mm) hex nuts (not supplied) to suspend SF50 / SF100 from ceiling

Securing SF50 / SF100 to steel wire cable tray

Side wires of the tray fix into bracket tabs. No additional fixings required to secure tray to bracket

Fast assembling

Fixing without nuts and bolts

Key :

- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 316L Stainless steel 316L

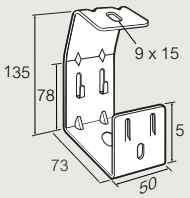
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

■ Dimensions and weights

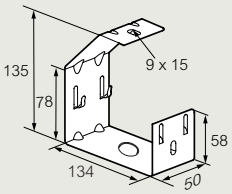
SF50

30 → 54 mm 50 mm



SF100

30 → 54 mm 100 mm



Cat. Nos.	L mm	F daN	Weight (kg) GS	GC	316L
SF50	73	30	0·22	0·24	0·22
SF100	134	26	0·49	0·70	0·49

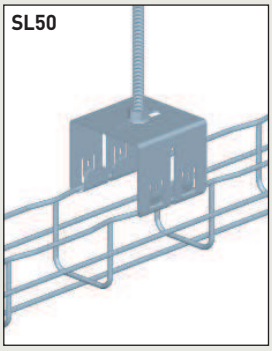
Please use Cat. No. when placing your order, see p. 25

All weights are given in Kilograms (kg)

■ SL50 – multifix base plate

Use as a central hanger to suspend 50 mm wide steel wire cable tray
Supplied singly. Threaded rod and fasteners not supplied

■ Installation and assembly

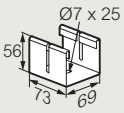


SL50 clips onto the side rail of the tray. No fasteners required to secure bracket to tray

■ Dimensions and weights

SL 50

30 → 54 mm 50 mm

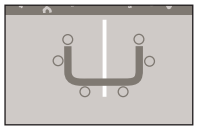


Cat. No.	H mm	F daN	Weight (kg) GS
SL50	56	150	0·19

Please use Cat. No. when placing your order, see p. 25

All weights are given in Kilograms (kg)

ceiling mounting – central hangers
CEQ – UC50

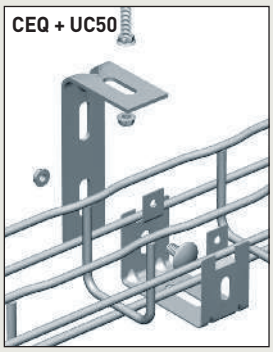


■ CEQ – central hanger brackets + UC50 – support cradles

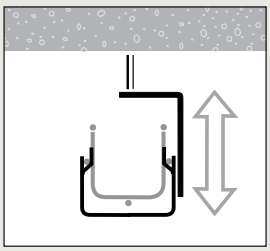
CEQ - central hanger brackets
Use with UC50, threaded rod and fasteners to form a central hanger to suspend 50 mm wide steel wire cable tray in 30 mm and 54 mm depths from the ceiling
Supplied singly without fasteners

UC50 - support cradles
Use as a support cradle for 50 mm wide steel wire cable tray in 30 mm or 54 mm depths
Can be ceiling mounted in conjunction with CEQ or floor mounted (see p. 80).
Can also be mounted directly onto the wall - horizontally or vertically, or onto 41 mm channel profiles (see p. 52)
Supplied singly without fasteners

■ Installation



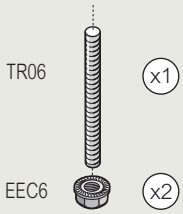
CEQ + UC50 used to suspend tray from ceiling with threaded rod and fasteners (not supplied)



Slot alignment allows for onsite adjustment

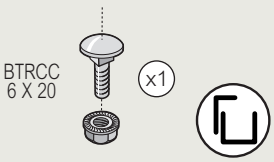
■ Assembly

Suspending CEQ + UC50 from ceiling



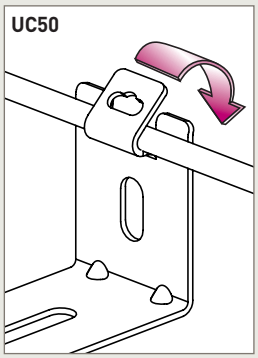
Use TR06 (M6 x 3m) threaded rod and 2 x EEC6 (6mm) hex nuts (not supplied) to suspend CEQ from ceiling

Securing UC50 to CEQ



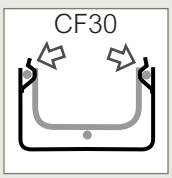
Use 1 x BTRCC (not supplied) to attach UC50 to CEQ, as shown in the side view illustration

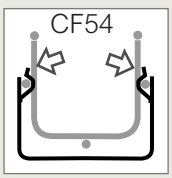
Securing UC50 to steel wire cable tray



Fast assembling

Fixing without nuts and bolts





Bend tabs with screwdriver or pliers to secure UC50 to side rail of tray

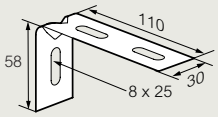
→ For wall mounting : see p. 52

→ For floor mounting : see p. 80

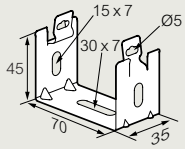
■ Dimensions and weights

30 → 54 mm 50 mm

CEQ



UC50



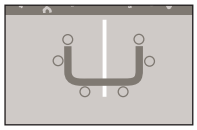
Cat. Nos.	F daN	Weight (kg) GS	GC	304L	316L
CEQ	12	0·08	0·08	–	0·08
UC50	12	0·06	0·07	0·06	0·06

Please use Cat. No. when placing your order, see p. 25
All weights are given in Kilograms (kg)

Key :
GS Pre-galvanised
GC Hot dip galvanised after manufacture
304L Stainless steel 304L
316L Stainless steel 316L
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

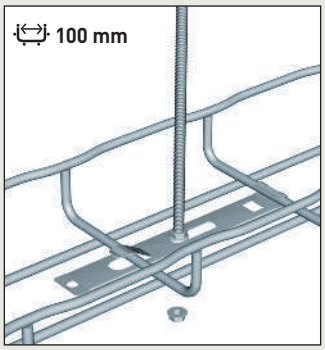
ceiling mounting – central hangers
SAS

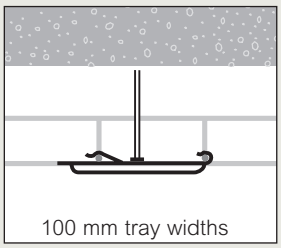


■ SAS – suspension hangers

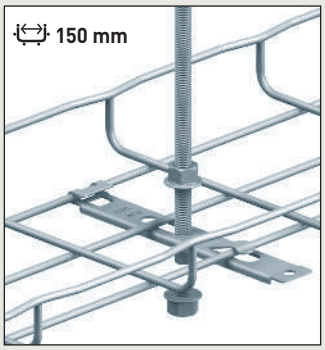
Use with threaded rod and fasteners to form a central hanger to suspend 100 mm and 150 mm wide steel wire cable tray in 30 mm and 54 mm depths from the ceiling
Incorporates slot and tab design for easy fixing
Supplied singly without fasteners

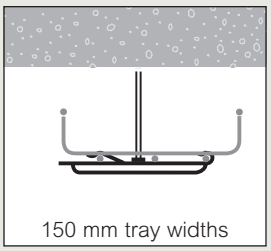
■ Installation





Mount SAS along the length of the tray when using 100 mm wide steel wire cable tray
Use with threaded rod and fasteners (not supplied)

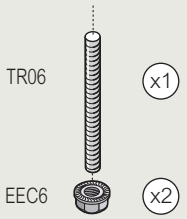




Mount SAS across the width of the tray when using 150 mm wide steel wire cable tray. Use with threaded rod and fasteners (not supplied)
Note :
The threaded rod will sit off centre due to the position of the base wire in the tray length

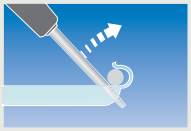
■ Assembly

Suspending SAS from ceiling



Use TR06 (M6 x 3m) threaded rod and 2 x EEC6 (6mm) hex nuts (not supplied) to suspend SAS from ceiling

Securing SAS to steel wire cable tray



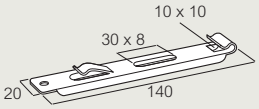
Fast assembling

Fixing without nuts and bolts

Base wires of the tray fix into hanger tabs. No additional fixings required to secure tray to SAS hanger
Use blade of screwdriver to click SAS firmly into place

■ Dimensions and weights

30 → 54 mm 100 → 150 mm



Cat. No.	F daN	Weight (kg) EZ	DC
SAS	60	0·03	0·03

Please use Cat. No. when placing your order, see p. 25
All weights are given in Kilograms (kg)

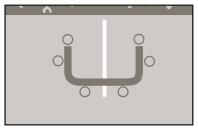
Key :
EZ Electrogalvanising after manufacture
DC Geomet

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

ceiling mounting – central hangers

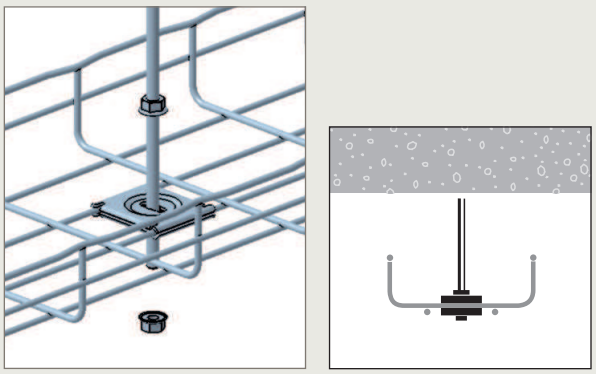
CE40 – CM50XL



■ CE40 – hold down clamps (used as hangers)

Use in a pair with threaded rod and fasteners to form a central hanger to suspend 100 mm to 200 mm wide steel wire cable tray in 30 mm and 54 mm depths from the ceiling
Supplied in packs of 25 without fasteners

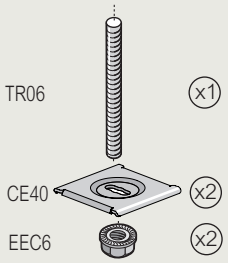
■ Installation



CE40 used to suspend tray from ceiling with threaded rod and fasteners (not supplied)

■ Assembly

Suspending CE40 from ceiling



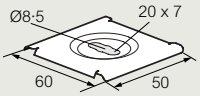
Use TR06 (M6 x 3m) threaded rod and 2 x EEC6 (6mm) hex nuts (not supplied) to suspend CE40 from ceiling

Securing CE40 to steel wire cable tray

Use 2 x CE40, one on the top side and one to the underside of the tray. Secure with 2 x EEC6 hex nuts, as shown above

■ Dimensions and weights

30 → 54 mm 100 → 200 mm



Cat. No.	F daN	Weight (kg) EZ	DC	304L	316L
CE40	100	0·04	0·04	0·04	0·04

Please use Cat. No. when placing your order, see p. 25

All weights are given in Kilograms (kg)

Key :

- EZ Electrogalvanising after manufacture
- DC Geomet
- GS Pre-galvanised
- 304L Stainless steel 304L
- 316L Stainless steel 316L

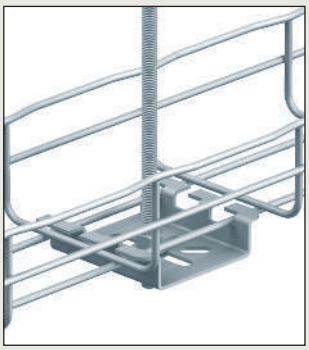
For detailed information related to finishes, refer to **p. 116-117**

→ To create radius bends : see p. 99-103

■ CM50XL – universal mounting plates (large)

Use with threaded rod and fasteners to form a central hanger to suspend 100 mm to 200 mm wide steel wire cable tray in 30 mm and 54 mm depths from the ceiling
Can also be used for horizontal and vertical wall mounting of cable tray runs (see p. 55) and for floor mounting (see p. 78)
Incorporates slot and tab design for easy fixing. Supplied singly without fasteners

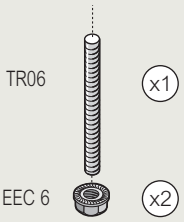
■ Installation



CM50XL used to suspend tray from ceiling with threaded rod and fasteners (not supplied)

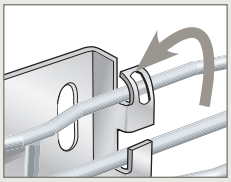
■ Assembly

Suspending CM50XL from ceiling



Use TR06 (M6 x 3m) threaded rod and 2 x EEC6 (6mm) hex nuts (not supplied) to suspend CM50XL from ceiling

Securing CM50XL to steel wire cable tray



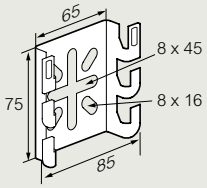
Bend tabs using a flat blade screwdriver or pair of pliers to secure to steel wire cable tray

Fast assembling

Fixing without nuts and bolts

■ Dimensions and weights

30 → 54 mm 100 → 200 mm



Cat. No.	F daN	Weight (kg) GS	GC	304L	316L
CM50XL	100	0·10	0·11	0·08	0·08

Please use Cat. No. when placing your order, see p. 25

All weights are given in Kilograms (kg)

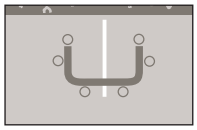
All dimensions (mm) are nominal

→ For wall mounting : see p. 55

→ For floor mounting : see p. 78

ceiling mounting – central hangers

SCF – PFSCF – EXT-SCF



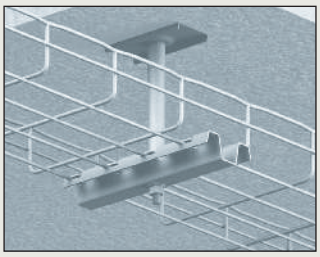
■ SCF – central hangers + PFSCF – locating ceiling plate + EXT-SCF – rod sheaths

SCF - central hangers
Use with threaded rod and fasteners to form a central hanger to suspend 200 mm to 600 mm wide steel wire cable tray in 30 mm and 54 mm depths from the ceiling. Incorporates slot and tab design for easy fixing. Used in conjunction with PFSCF locating ceiling plate and EXT-SCF rod sheath. Supplied singly without fasteners

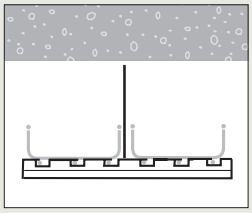
PFSCF - locating ceiling plate
Locating plate for use with SCF. Supplied singly without fasteners

EXT-SCF - rod sheaths
Extension rod sheath for use with SCF. EXT-SCF helps to protect cables from damage. Supplied singly without fasteners

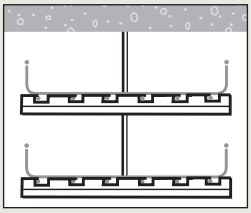
■ Installation



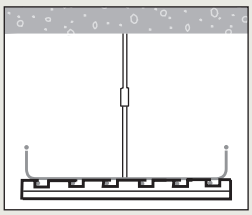
SCF central hanger in situ with PFSCF locating ceiling plate and EXT-SCF rod sheath covering threaded rod



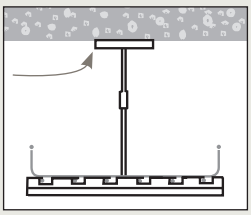
SCF can support 2 x tray runs up to 200 mm wide side by side



2 x SCF can be used in a tier arrangement



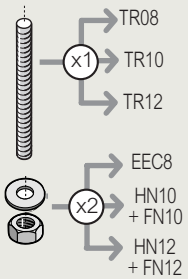
EXT-SCF can be used with threaded rod of any length



PFSCF can be used to spread the load and further stabilise the installation

■ Assembly

Suspending SCF from ceiling



Installation steps

1) Install threaded rod into ceiling fixing, such as ceiling anchor (not supplied)

2) On floor level, assemble wire mesh onto SCF

3) Attach EXT-SCF rod sheath and PFSCF locating ceiling plate to SCF central hanger

4) Offer assembly up to pre-fitted threaded rod

5) Secure assembly with washers and hexagon nuts

■ Assembly (continued)

Securing SCF to steel wire cable tray

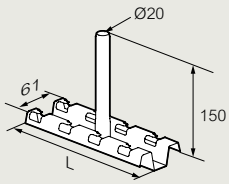
Slot base wires of the tray into the SCF hanger and bend tabs with screwdriver to secure, as shown in the FAS diagram

Fast assembling

Fixing without nuts and bolts

■ Dimensions and weights

SCF – 30 → 54 mm 200 → 600 mm

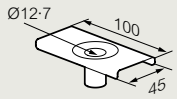


Cat. Nos.	L mm	F F daN	F daN	Weight (kg) GS
SCF200	194	200	37	0·27
SCF300	294	160	29	0·39
SCF400	394	141	23	0·51
SCF450	444	130	20	0·57
SCF500	494	121	20	0·64
SCF600	594	99	19	0·78

Please use Cat. No. when placing your order, see p. 26

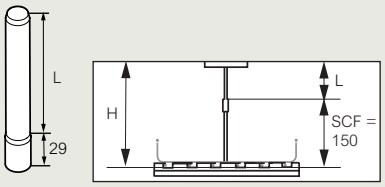
All weights are given in Kilograms (kg)

PFSCF – 30 → 54 mm 200 → 600 mm



Cat. No.	L mm	Weight (kg) GS
PFSCF	100	0·08

EXT-SCF – 30 → 54 mm 200 → 600 mm



Cat. Nos.	L mm	H mm	Weight (kg) GS
EXT-SCF50	50	200	0·10
EXT-SCF100	100	250	0·11
EXT-SCF150	150	300	0·12
EXT-SCF325	325	475	0·20

Please use Cat. No. when placing your order, see p. 26

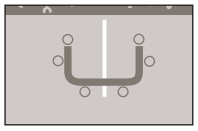
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

ceiling mounting – central hangers
UCS – RCSN

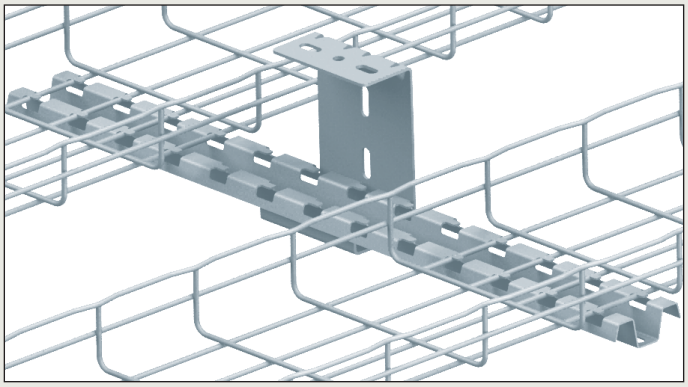


■ UCS – ceiling support brackets + RCSN – fast fix support rails

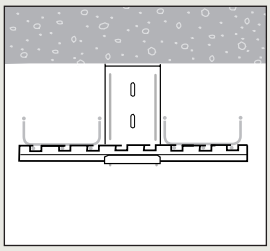
UCS - ceiling support brackets
Use with RCSN or channel to form a central hanger to suspend 2 parallel runs of 50 mm (100 mm using RSCN) to 300 mm wide steel wire cable tray in 30 mm and 54 mm depths from the ceiling
Supplied singly without fasteners

RCSN - fast fix support rails
Use with UCS (above) or threaded rod to form a central hanger to suspend steel wire cable tray from the ceiling. Can also be used for horizontal and vertical wall mounting of cable tray runs (see p. 65) and for floor mounting (see p. 78)
Incorporates slot and tab design for easy fixing. Supplied singly without fasteners

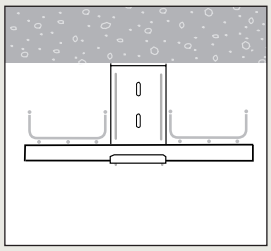
■ Installation



UCS ceiling support bracket + RCSN fast fix support rail to support 2 x parallel runs of steel wire cable tray from the ceiling



UCS and RCSN supporting parallel runs of cable tray

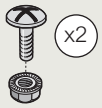


UCS and channel supporting parallel runs of cable tray

■ Assembly

Suspending UCS + RCSN from ceiling

BTRL 8 x 15



Use BTRL 8 x 15 fasteners to secure RCSN support rail or channel support to UCS

Securing RCSN to steel wire cable tray

FAST ASSEMBLING SYSTEM

Fast assembling

Fixing without nuts and bolts

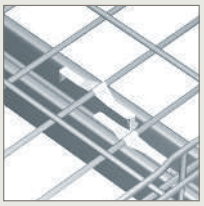
Slot base wires of the tray into the RCSN support rail and bend tabs with screwdriver to secure, as shown in the FAS diagram above

→ For wall mounting : see p. 65

→ For floor mounting : see p. 78

■ Assembly (continued)

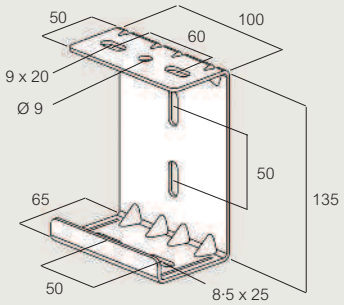
Securing channel support to steel wire cable tray



Use FASTRUT 41 (see p. 18) to secure steel wire cable tray to channel lengths

■ Dimensions and weights

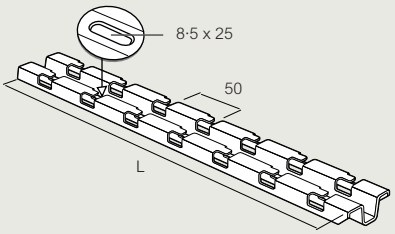
UCS – ↕ 30 → 54 mm ↔ 50 → 300 mm



Cat. Nos.	L mm	daN.m	Weight (kg) GS	GC	316L
UCS	100	18	0·51	0·51	0·51

Please use Cat. No. when placing your order, see p. 26
All weights are given in Kilograms (kg)

RCSN – ↕ 30 → 105 mm ↔ 100 → 600 mm



Cat. No.	L mm	Weight (kg) GS	GC	304L	316L
RCSN150	150	0·16	0·17	–	0·16
RCSN200	200	0·23	0·23	–	0·22
RCSN300	300	0·33	0·36	–	0·33
RCSN400	400	0·38	0·49	–	0·45
RCSN500	500	0·54	0·61	–	0·59
RCSN550	550	0·63	0·65	–	–
RCSN600	600	0·67	0·70	–	0·69
RCSN1000	1 000	1·18	1·23	–	1·21
RCSN2000	2 000	2·20	2·42	2·30	2·30
RCSN3000	3 000	3·54	3·78	3·65	3·65

Please use Cat. No. when placing your order, see p. 27
All weights are given in Kilograms (kg)

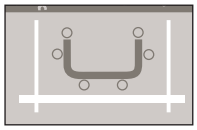
Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

ceiling mounting – trapeze

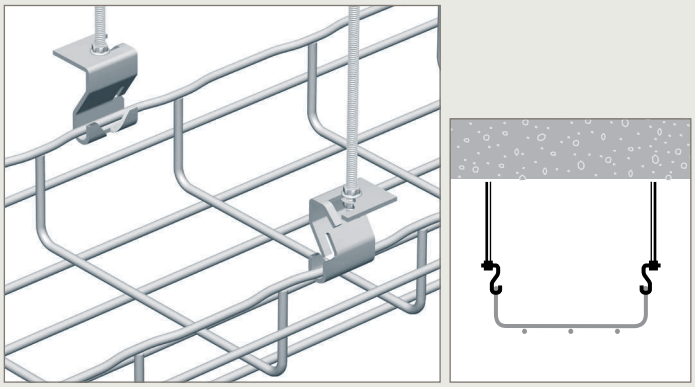
AS



■ AS – suspension hooks

Use with threaded rod and fasteners to form a trapeze hanger to suspend 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths from the ceiling. Supplied singly without fasteners

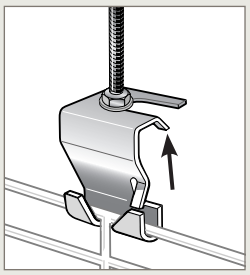
■ Installation



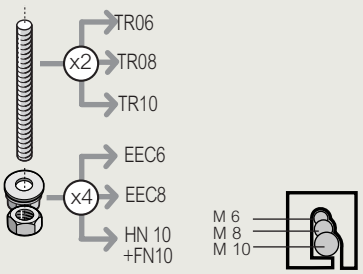
AS suspension hook suspending wire tray from the ceiling with threaded rod and fasteners (not supplied)

■ Assembly

Suspending AS from ceiling

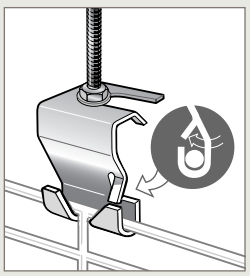


Bend tab upwards to lock threaded rod into place



Use TR06 / 08 or 10 (M6 / M8 / M10 x 3m) threaded rod and 4 x EEC6 / 8 or 10 (6 / 8 or 10mm) hex nuts (not supplied) to suspend AS from ceiling

Securing AS to steel wire cable tray



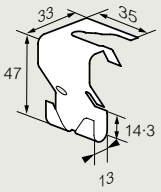
Bend tab upwards to lock side bar of tray into place

Fast assembling

Fixing without nuts and bolts

■ Dimensions and weights

30 → 105 mm **100 → 600 mm**



Cat. Nos.	F daN	Weight (kg) GS	DC	316L
AS	100	0·04	0·05	0·04

Please use Cat. No. when placing your order, see p. 26

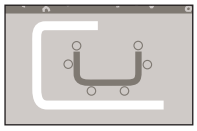
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised; DC Geomet; 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

ceiling mounting – profile
CSNC

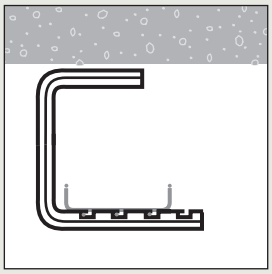


■ CSNC – profile roof cantilever arms

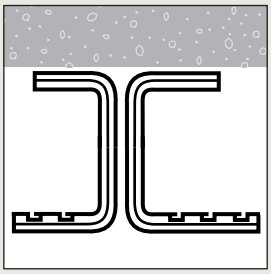
Use to support 100 mm to 450 mm wide steel wire cable tray in 30 mm to 105 mm depths. Can be mounted directly to the ceiling using fasteners (not supplied) to form a pendant drop or can be wall mounted (see p. 57). Incorporates slot and tab design for easy fixing
Supplied singly without fasteners

■ Installation

Mount directly onto ceiling using fasteners (not supplied).



Support single runs of steel wire cable tray using one ceiling mounted cantilever arm



Mount cantilever arms back to back to run two horizontal runs of steel wire cable tray

■ Assembly

Securing CSNC cantilever arm to steel wire cable tray

FAST ASSEMBLING SYSTEM

Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram above

Patented

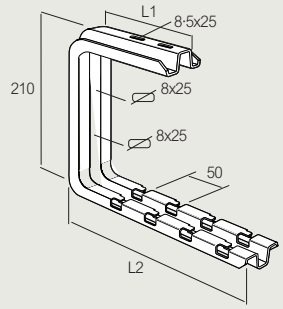
Fast assembling

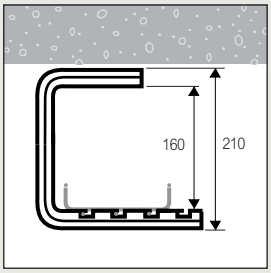
Fixing without nuts and bolts

→ For wall mounting : see p. 57

■ Dimensions and weights

30 → 105 mm 100 → 450 mm





Cat. Nos.	L1 ↔ mm	L2 ↔ mm	F ↓ daN	Weight (kg) GS	GC	316L
CSNC100	170	178	120	0·57	0·65	0·60
CSNC150	170	228	100	0·63	0·72	0·67
CSNC200	170	278	80	0·68	0·80	0·72
CSNC300	288	378	70	1·30	1·35	–
CSNC400	288	478	48	1·36	1·38	–
CSNC450	288	528	44	1·40	1·47	–

Please use Cat. No. when placing your order, see p. 26

All weights are given in Kilograms (kg)

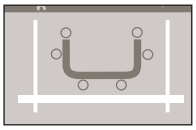
Key : GS Pre-galvanised; GC Hot dip galvanised after manufacture; 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

ceiling mounting – trapeze

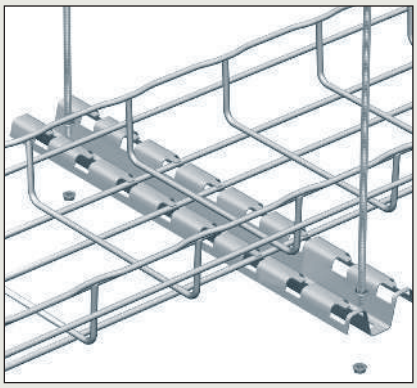
RCSN

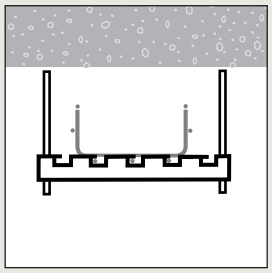


■ RCSN – fast fix support rails

Use with threaded rod and fasteners to form a trapeze hanger to suspend 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths from the ceiling
Can be mounted directly onto the wall (see p. 65) or floor mounted (see p. 78)
Incorporates slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation

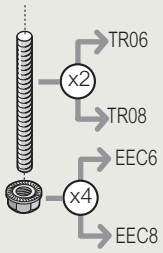




RCSN support rails suspending wire tray from the ceiling with threaded rod and fasteners (not supplied)

■ Assembly

Suspending RSCN from ceiling



Use 2 x TR06 or TR08 (M6 / M8 x 3m) threaded rod and 4 x EEC6 or EEC8 (6 or 8mm) hex nuts (not supplied) to suspend RSCN from ceiling

Securing RCSN support rail to steel wire cable tray

Patented | Fast assembling | Fixing without nuts and bolts

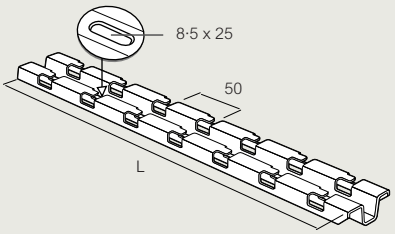
Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram above

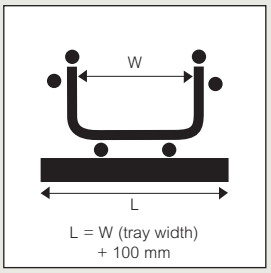
→ For wall mounting : see p. 65

→ For floor mounting : see p. 78

■ Dimensions and weights

30 → 105 mm **100 → 600 mm**





To select the correct size RCSN for trapeze hanging, add 100 mm to the chosen tray width to allow for fixing of threaded rod either side of the tray, e.g. if using 200 mm wide tray, use a 300 mm wide RCSN

Cat. No.	L mm	Weight (kg) GS	GC	304L	316L
RCSN150	150	0·16	0·17	–	0·16
RCSN200	200	0·23	0·23	–	0·22
RCSN300	300	0·33	0·36	–	0·33
RCSN400	400	0·38	0·49	–	0·45
RCSN500	500	0·54	0·61	–	0·59
RCSN550	550	0·63	0·65	–	–
RCSN600	600	0·67	0·70	–	0·69
RCSN1000	1 000	1·18	1·23	–	1·21
RCSN2000	2 000	2·20	2·42	2·30	2·30
RCSN3000	3 000	3·54	3·78	3·65	3·65

Please use Cat. No. when placing your order, see p. 27

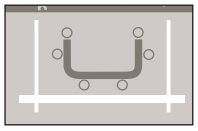
All weights are given in Kilograms (kg)

Key :
GS Pre-galvanised
GC Hot dip galvanised after manufacture
304L Stainless steel 304L
316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

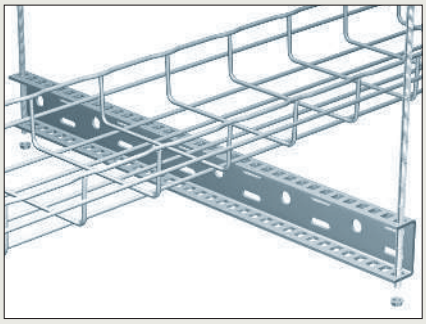
ceiling mounting – trapeze
EDF

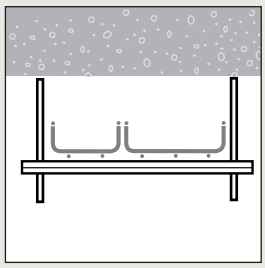


■ EDF – profile pendants / mounting rails

Use with threaded rod and fasteners to form a trapeze hanger to suspend 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths from the ceiling or use with PFREDF to form a pendant installation (opposite).
Can be mounted directly onto the wall for use with cantilever arms (see p. 58)
Supplied singly without fasteners

■ Installation

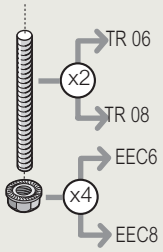




EDF mounting rails suspending wire tray from the ceiling with threaded rod and fasteners (not supplied)

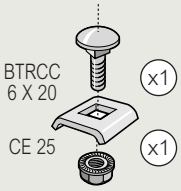
■ Assembly

Suspending EDF from ceiling - trapeze mounting



Use 2 x TR06 or TR08 (M6 / M8 x 3m) threaded rod and 4 x EEC6 or EEC8 (6 or 8mm diameter) hex nuts (not supplied) to suspend EDN from ceiling

Securing EDF mounting rail to steel wire cable tray

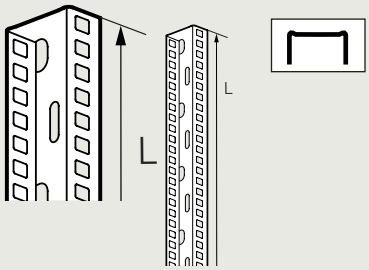


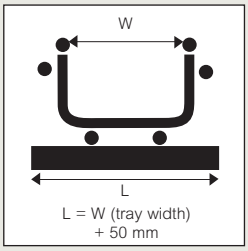
Use 1 x BTRCC 6 x 20 and 1 x CE25 to to secure 50 mm to 200 mm tray EDF
For 300 mm to 600 mm tray use 2 x BTRCC 6 x 20 and 2 x CE25

→ For wall mounting : see p. 58

■ Dimensions and weights

30 → 105 mm **100 → 600 mm**





To cut the correct size EDF for trapeze hanging, add 50 mm to the chosen tray width to allow for fixing of threaded rod either side of the tray, e.g. if using 200 mm wide tray, cut EDF to 250 mm wide

Cat. No.	L mm	Weight (kg) GS	GC	304L	316L
EDF2000	2 000	2·40	2·56	2·48	2·48

Please use Cat. No. when placing your order, see p. 27

All weights are given in Kilograms (kg)

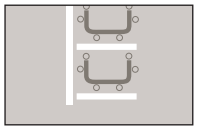
Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

ceiling mounting – pendant

PFREDF

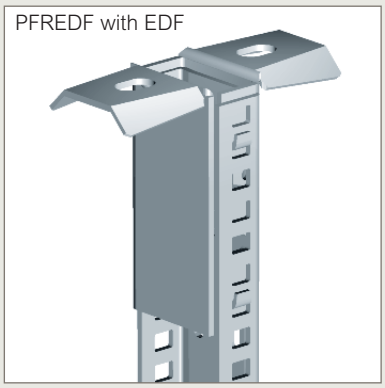


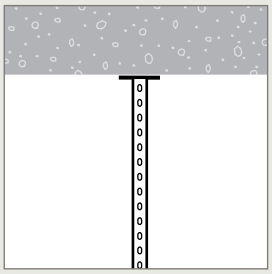
■ PFREDF – pendant mounting plates
EDF – profile pendants / mounting rails

PFREDF
Use as a ceiling mounting plate in conjunction with EDF to form a pendant drop to suspend 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths from the ceiling via cantilever arms (see p. 56-62).
Incorporates slot and tab design for easy fixing of EDF
Supplied singly without fasteners

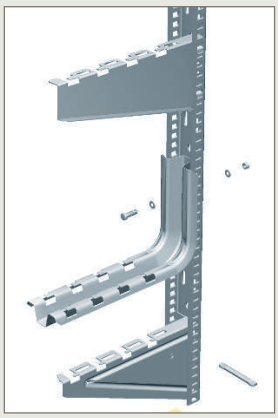
EDF
Use with threaded rod and fasteners to form a trapeze hanger to suspend 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths from the ceiling or use with PFREDF to form a pendant installation (opposite).
Can be mounted directly onto the wall for use with cantilever arms (see p. 58)
Supplied singly without fasteners

■ Installation





PFREDF pendant mounting plate with EDF mounting rail. Secure to ceiling using fasteners (not supplied)



Cantilever arms can be mounted to one side of the EDF mounting rail.
See p. 56-62

■ Assembly

Suspending EDF from ceiling - pendant mounting

Bend tabs to secure to PRFEDF pendant mounting plate to EDF mounting rail.
No fasteners required

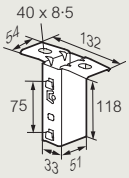
Fast assembling

Fixing without nuts and bolts

→ For cantilever arms : see p. 56-62

■ Dimensions and weights

30 → 105 mm 100 → 600 mm



Cat. No.	daN.m	Weight (kg) GS	Weight (kg) 316L
PFREDF	18	0.51	0.51

Please use Cat. No. when placing your order, see p. 27

All weights are given in Kilograms (kg)

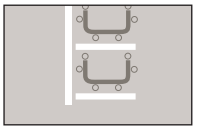
Key : GS Pre-galvanised — 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

ceiling mounting – pendant

RE41SP – PFR41S

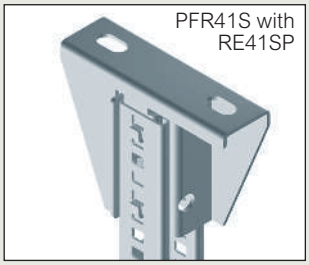


■ RE41SP – pendants / mounting rails (heavy duty)
PFR41S – pendant mounting plates (heavy duty)

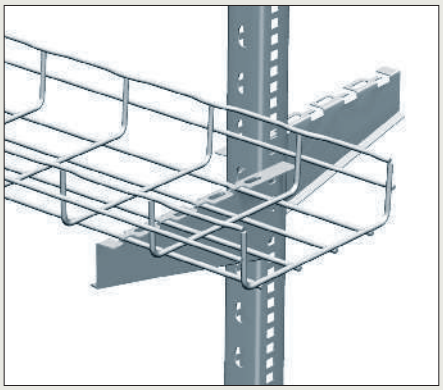
RE41SP
Use with PFR41S to form pendant drop to suspend 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths from the ceiling
Supplied singly without fasteners

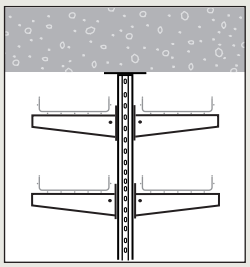
PFR41S
Use as a ceiling mounting plate in conjunction with EDF to form a pendant drop to suspend 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths from the ceiling via cantilever arms (see p. 56-62)
Incorporates slot and tab design for easy fixing of EDF
Supplied singly without fasteners

■ Installation



PFR41S pendant mounting plate with RE41SP mounting rail. Secure to ceiling using fasteners (not supplied)





Cantilever arms can be mounted to both sides of the RE41SP mounting rail. Fast fit CG cantilever arms shown (see p. 56-62 for full range)

■ Assembly

Suspending RE41SP from ceiling - pendant mounting

Fast assembling

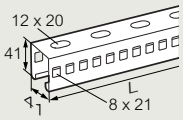
Fixing without nuts and bolts

FAST FAST ASSEMBLING SYSTEM

Bend tabs to secure PFR41S pendant mounting plate to RE41SP mounting rail
No fasteners required

■ Dimensions and weights

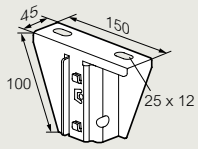
RE41SP 30 → 105 mm 100 → 600 mm



Cat. Nos.	L mm	mm	Weight (kg) GS
RE41SP500	500	2	1·30
RE41SP800	800	2	1·90
RE41SP1000	1 000	2	2·60
RE41SP3000	3 000	2	7·90

Please use Cat. No. when placing your order, see p. 27
All weights are given in Kilograms (kg)

PFR41S



PATENTED
Patented

Cat. Nos.	daN.m	Weight (kg) GS
PFR41S	45	0·69

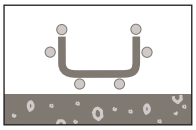
Please use Cat. No. when placing your order, see p. 27
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

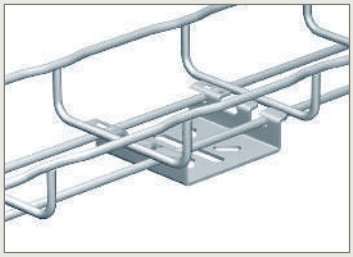
floor mounting
CM50XL – RCSN

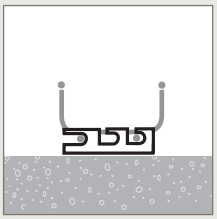


■ CM50XL – universal mounting plates (large)

Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 150 mm depths directly to the floor
For 200 mm and 300 mm wide tray, use 2 x CM50XL per length
For 400 mm to 600 mm wide tray, use 3 x CM50XL per length
Can also be used for wall mounting (see p. 55) and to suspend cable tray runs from the ceiling (see p. 69)
Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation

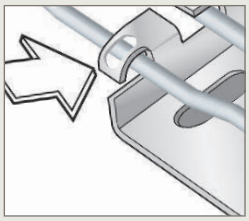




Mount tray runs on the floor using CM50XL and fasteners (not supplied)

■ Assembly

Securing CM50XL to steel wire cable tray



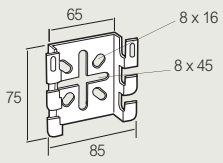
Fast assembling

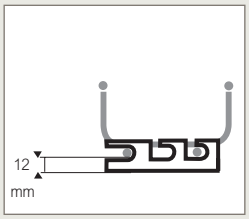
Fixing without nuts and bolts

Bend tabs with pliers or screwdriver to secure to steel wire cable tray

■ Dimensions and weights

30 → 150 mm 100 → 600 mm





Cat. No.	F daN	Weight (kg) GS	GC	304L	316L
CM50XL	100	0·10	0·11	0·08	0·08

Please use Cat. No. when placing your order, see p. 28

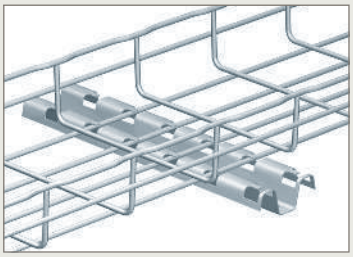
All weights are given in Kilograms (kg)

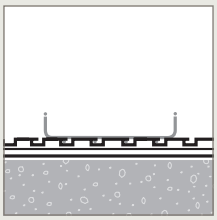
→ For wall mounting : see p. 55, 65

■ RCSN – fast fix support rails

Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 150 mm depths directly to the floor
Can also be used for wall mounting (see p. 65) and to suspend cable tray runs from the ceiling (see p. 71, 74)
Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation





Mount tray runs on the floor using RCSN and fasteners (not supplied)

■ Assembly

Securing RCSN to steel wire cable tray

Patented

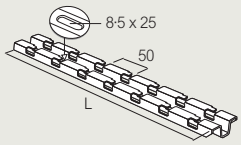
Fast assembling

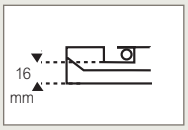
Fixing without nuts and bolts

Slot base wires of the tray into the RCSN support rail and bend tabs with screwdriver to secure, as shown in the FAS diagram above

■ Dimensions and weights

30 → 150 mm 100 → 600 mm





16 mm spacing from underside of base wire to floor

Cat. No.	L mm	Weight (kg) GS	GC	304L	316L
RCSN150	150	0·16	0·17	–	0·16
RCSN200	200	0·23	0·23	–	0·22
RCSN300	300	0·33	0·36	–	0·33
RCSN400	400	0·38	0·49	–	0·45
RCSN500	500	0·54	0·61	–	0·59
RCSN550	550	0·63	0·65	–	–
RCSN600	600	0·67	0·70	–	0·69
RCSN1000	1 000	1·18	1·23	–	1·21
RCSN2000	2 000	2·20	2·42	2·30	2·30
RCSN3000	3 000	3·54	3·78	3·65	3·65

Please use Cat. No. when placing your order, see p. 28

All weights are given in Kilograms (kg)

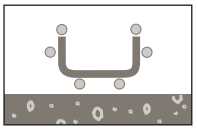
Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

→ For ceiling mounting : see p. 69, 71, 74

floor mounting
R15/25/35/300 – R55

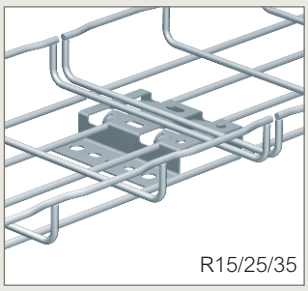


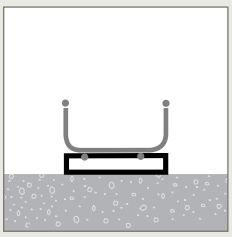
■ R15/25/35/300 – stand-off brackets
R55 – stand-off brackets

R15/25/35/300 - stand-off brackets
Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 150 mm depths directly onto the floor. For 200 mm and 300 mm wide tray, use 2 x brackets per length. For 400 mm to 600 mm wide tray, use 3 x brackets per length. Can also be used for wall mounting (see p. 63). Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

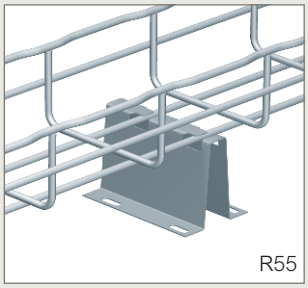
R55 - stand-off brackets
Use to fix 100 mm to 600 mm wide steel wire cable tray in 30 mm to 80 mm depths directly onto the floor. For 200 mm and 300 mm wide tray, use 2 x brackets per length. For 400 mm to 600 mm wide tray, use 3 x brackets per length. Can also be used for wall mounting (see p. 63). Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

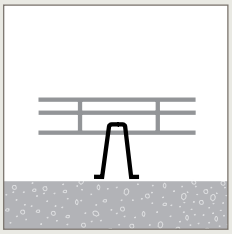
■ Installation





Mount tray runs on the floor using R15/25/35/300 and fasteners (not supplied)

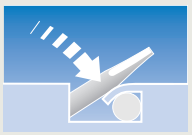




Mount tray runs on the floor using R55 and fasteners (not supplied)

■ Assembly

Securing stand-off brackets to steel wire cable tray



FAST FAST ASSEMBLING SYSTEM

Slot base wires of the tray into the stand-off bracket and bend tabs with screwdriver to secure, as shown in the FAS diagram above

Patented


Fast assembling


Fixing without nuts and bolts

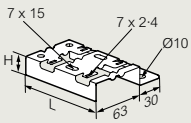
For wall mounting : see p. 63

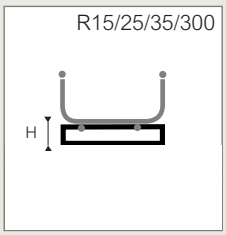
For base coupling : see p. 50

■ Dimensions and weights

R15/25/35/300 30 → 105 mm 100 → 600 mm

R15/25/35/300

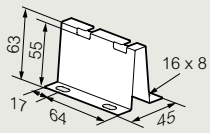


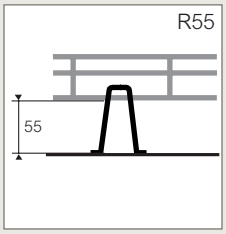


Cat. No.	H mm	L mm	FL daN	Weight (kg) GS	Z+	316L
R15/100	15	98	100	0·14	0·09	0·09
R15/300	15	300	100	0·38	0·41	–
R25	25	98	100	0·13	0·12	–
R35	35	98	50	0·15	0·14	–

Please use Cat. No. when placing your order, see p. 28
All weights are given in Kilograms (kg)

R55 30 → 150 mm 100 → 600 mm





Cat. No.	H mm	FL daN	Weight (kg) GS	Z+	316L
R55	55	45	0·12	0·12	0·12

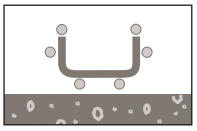
Please use Cat. No. when placing your order, see p. 28
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised; 316L Stainless steel 316L; Z+ Continuous galvanisation before manufacture

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

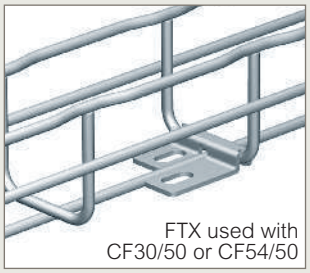
floor mounting
FTX – UC50



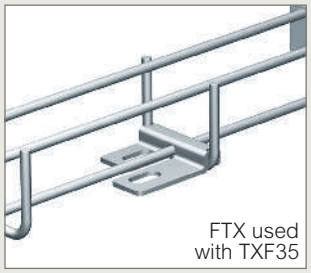
■ FTX – base fixing plates

Use to fix 35 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths directly onto the floor. For 200 mm and 300 mm wide tray, use 2 x brackets per length. For 400 mm to 600 mm wide tray, use 3 x brackets per length. Supplied singly without fasteners

■ Installation

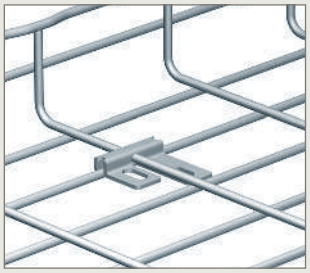


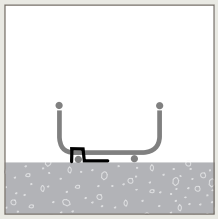
FTX used with CF30/50 or CF54/50



FTX used with TXF35

Attach FTX along the length of 50 mm wide tray and TXF35 tray. Secure to the floor using fasteners (not supplied)





Attach FTX across the width of 100 mm to 600 mm wide tray. Secure to the floor using fasteners (not supplied)

■ Assembly

Securing stand-off brackets to steel wire cable tray

Click to secure to steel wire cable tray

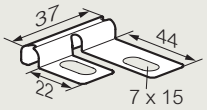
Patented

Fast assembling

Fixing without nuts and bolts

■ Dimensions and weights

30 / 54 / 105 mm 35 → 600 mm



Cat. No.	Weight (kg) GS	DC	316L
FTX	0·25	0·20	0·20

Please use Cat. No. when placing your order, see p. 29

All weights are given in Kilograms (kg)

Key : GS Pre-galvanised; DC Geomet; 316L Stainless steel 316L

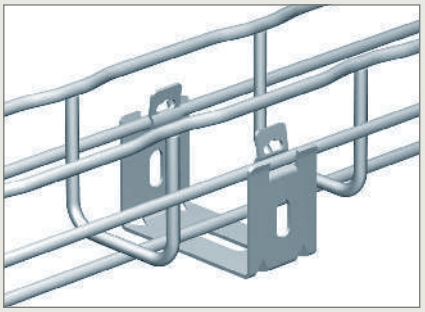
For detailed information related to finishes, refer to **p. 116-117**

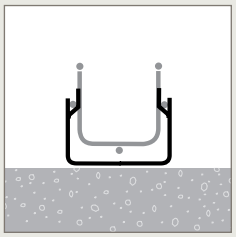
All dimensions (mm) are nominal

■ UC50 – support cradles

Use as a support cradle for 50 mm wide steel wire cable tray in 30 mm or 54 mm depths
Can also be used for wall mounting (see p. 52) and to suspend cable tray runs from the ceiling (see p. 67). Supplied singly without fasteners

■ Installation

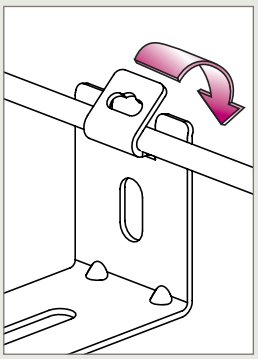




Mount directly onto floor using fasteners (not supplied)

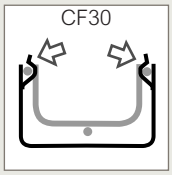
■ Assembly

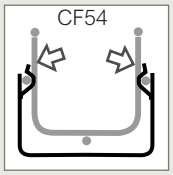
Securing UC50 to steel wire cable tray



Fast assembling

Fixing without nuts and bolts

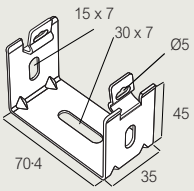




Bend tabs with pliers to secure to steel wire cable tray

■ Dimensions and weights

30 → 54 mm 50 mm



Cat. Nos.	F daN	Weight (kg) GS	GC	304L	316L
UC50	12	0·06	0·07	0·06	0·06

Please use Cat. No. when placing your order, see p. 29

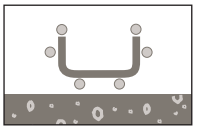
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised; GC Hot dip galvanised after manufacture; 304L Stainless steel 304L; 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

For ceiling mounting : see p. 67

floor mounting
UFC – CSN



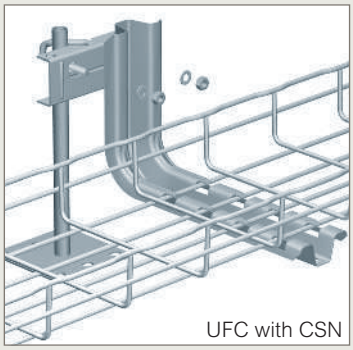
■ UFC – clamp unit / CSN – profile cantilever arms

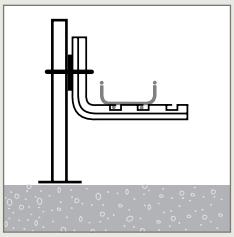
UFC - clamp unit
Use in conjunction with CSN cantilever arms or RCSN mounting rail (see p. 82) to clamp to underfloor pedestal supports, forming an underfloor support for steel wire cable tray runs
Supplied singly with U bolt and bolts

CSN - profile cantilever arms
Use to support 100 mm to 450 mm wide steel wire cable tray in 30 mm and 54 mm depths. Can be wall mounted (see p. 56) or pendant drop mounted using EDF mounting rail (see p. 76). Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

EPVCSN - end cap
PVC end cap for CSN profile cantilever arms
Supplied singly

■ Installation


UFC with CSN



CSN is secured to UFC using U bolt and fasteners (supplied)

■ Assembly

Securing CSN to steel wire cable tray

Patented


Fast assembling

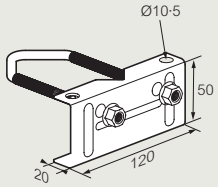

Fixing without nuts and bolts

Slot base wires of the tray into the cantilever arm and bend tabs with screwdriver to secure, as shown in the FAS diagram above

→ For cantilever arms : see p. 56-62

■ Dimensions and weights

UFC 30 → 105 mm 100 → 600 mm

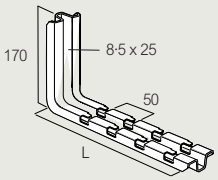


Note:
When used in conjunctions with CSN, tray widths and depths that can be supported by UFC are lower - see CSN below

Cat. No.	Weight (kg) GS
UFC	0·24

Please use Cat. No. when placing your order, see p. 29
All weights are given in Kilograms (kg)

CSN 30 → 54 mm 100 → 450 mm



EPVCSN 

Cat. Nos.	L mm	F daN	Weight (kg) GS	GC	304L	316L
CSN100	178	30	0·37	0·40	0·40	0·40
CSN150	228	110	0·42	0·47	0·41	0·41
CSN200	278	85	0·47	0·53	0·51	0·51
CSN300	378	73	0·73	0·76	0·64	0·64
CSN400	478	56	0·82	0·92	–	–
CSN450	528	50	0·91	0·97	–	–

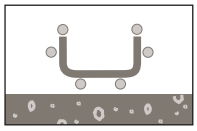
Please use Cat. No. when placing your order, see p. 21
All weights are given in Kilograms (kg)

Key :
GS Pre-galvanised
GC Hot dip galvanised after manufacture
304L Stainless steel 304L
316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

floor mounting
UFC – RCSN

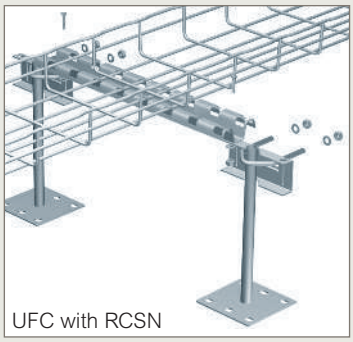


■ UFC – clamp unit / RCSN - fast fix support rails

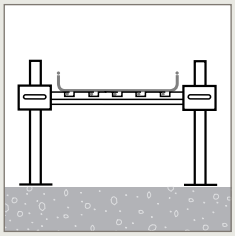
UFC - clamp unit
Use in conjunction with RCSN mounting rail or CSN cantilever arms (see p. 81) to clamp to underfloor pedestal supports, forming an underfloor support for steel wire cable tray runs
Supplied singly with U bolt and nuts

RCSN - fast fix support rails
Use to support 100 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths. Use in conjunction with UFC or mount directly to the floor. Can also be wall mounted (see p. 65) or to form a trapeze hanger using threaded rod (see p. 74)
Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

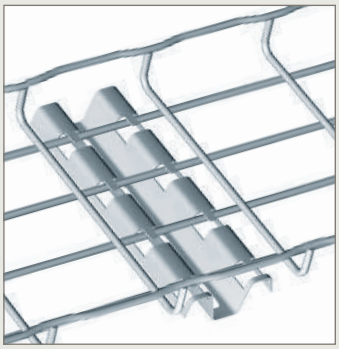
■ Installation



UFC with RCSN



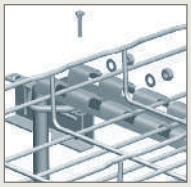
RCSN is secured to UFC using U bolt and fasteners (supplied)
Note: if 600 mm floor spacing being used, use 550 mm RCSN or below

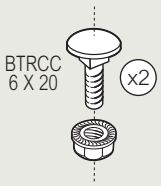


Mount RCSN directly onto floor using fasteners (not supplied)

■ Assembly

Securing RCSN to UFC clamp unit





Rest RCSN on U bolt of UFC and secure down using 2 x BTRCC 6 x 20

Securing RCSN to steel wire cable tray

FAST
FAST ASSEMBLING SYSTEM

Patented | Fast assembling | Fixing without nuts and bolts

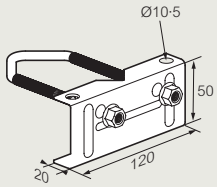
Slot base wires of the tray into RCSN and bend tabs with screwdriver to secure, as shown in the FAS diagram above

→ For wall mounting : see p. 65

→ For ceiling mounting : see p. 74

■ Dimensions and weights

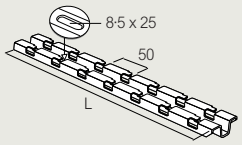
UFC 30 → 105 mm 100 → 600 mm



Cat. No.	Weight (kg) GS
UFC	0·24

Please use Cat. No. when placing your order, see p. 29
All weights are given in Kilograms (kg)

RCSN 30 → 105 mm 100 → 600 mm



Cat. No.	L mm	Weight (kg) GS	GC	304L	316L
RCSN150	150	0·16	0·17	–	0·16
RCSN200	200	0·23	0·23	–	0·22
RCSN300	300	0·33	0·36	–	0·33
RCSN400	400	0·38	0·49	–	0·45
RCSN500	500	0·54	0·61	–	0·59
RCSN550	550	0·63	0·65	–	–
RCSN600	600	0·67	0·70	–	0·69
RCSN1000	1 000	1·18	1·23	–	1·21
RCSN2000	2 000	2·20	2·42	2·30	2·30
RCSN3000	3 000	3·54	3·78	3·65	3·65

Please use Cat. No. when placing your order, see p. 28
All weights are given in Kilograms (kg)

Key :
GS Pre-galvanised
GC Hot dip galvanised after manufacture
304L Stainless steel 304L
316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

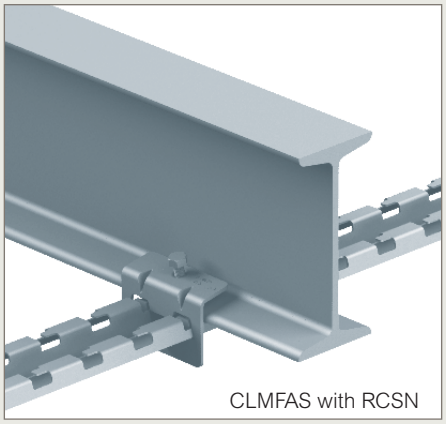
beam mounting
CLMFAS – RCSN

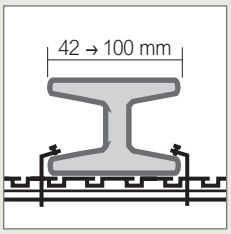
■ CLMFAS – beam clamps / RCSN – fast fix support rails

CLMFAS - beam clamps
Use as a clamp to attach RCSN mounting rail to beams
Supplied singly without fasteners

RCSN - fast fix support rails
Use to support 50 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths in a beam mounting situation. Can also be wall mounted (see p. 65), floor mounted (see p. 82) or used to form a trapeze hanger using threaded rod (see p. 74)
Incorporate slot and tab design for easy fixing. Supplied singly without fasteners

■ Installation


CLMFAS with RCSN



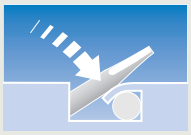
CLMFAS is secured to beams at either side with fasteners (not supplied). RCSN fast fit support rails simply pass through the opening in the CLMFAS clamp and sit on the underside of the beam 42 mm to 100 mm wide beams can be accommodated

■ Assembly

Securing CLMFAS to beams and to RCSN

CLMFAS is secured to beams at either side with 1 X M8 x 20 fastener per clamp (not supplied).
RCSN fast fit support rails simply pass through the opening in the CLMFAS clamp and sit on the underside of the beam

Securing RCSN to steel wire cable tray



Patented


Fast assembling


Fixing without nuts and bolts

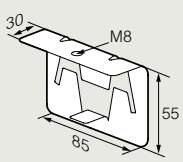
FAS FAST ASSEMBLING SYSTEM

Slot base wires of the tray into RCSN and bend tabs with screwdriver to secure, as shown in the FAS diagram above

→ For wall mounting : see p. 65
→ For ceiling mounting : see p. 74
→ For floor mounting : see p. 82

■ Dimensions and weights

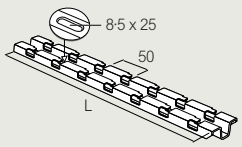
CLMFAS 30 → 105 mm 50 → 600 mm



Cat. Nos.	daN.m	Weight (kg) GS	DC	316L
CLMFAS	18	0·20	0·20	0·20

Please use Cat. No. when placing your order, see p. 29
All weights are given in Kilograms (kg)

RCSN 30 → 105 mm 100 → 600 mm



NOTE :
When used with CLMFAS 50 mm wide tray can be supported either side of a beam

Cat. No.	L mm	Weight (kg) GS	GC	304L	316L
RCSN150	150	0·16	0·17	–	0·16
RCSN200	200	0·23	0·23	–	0·22
RCSN300	300	0·33	0·36	–	0·33
RCSN400	400	0·38	0·49	–	0·45
RCSN500	500	0·54	0·61	–	0·59
RCSN550	550	0·63	0·65	–	–
RCSN600	600	0·67	0·70	–	0·69
RCSN1000	1 000	1·18	1·23	–	1·21
RCSN2000	2 000	2·20	2·42	2·30	2·30
RCSN3000	3 000	3·54	3·78	3·65	3·65

Please use Cat. No. when placing your order, see p. 28
All weights are given in Kilograms (kg)

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

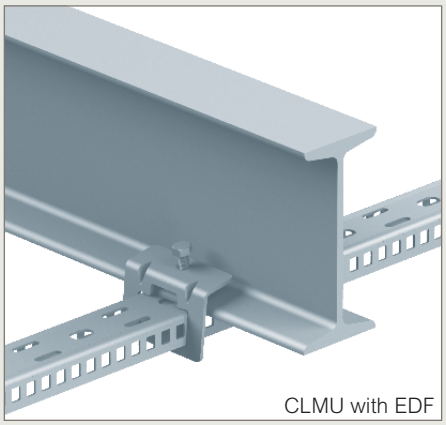
beam mounting
CLMU - EDF

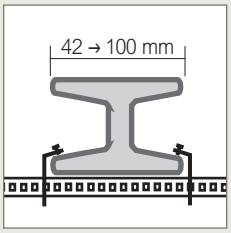
■ CLMU – beam clamps / EDF – pendants / mounting rails

CLMU - beam clamps
Use as a clamp to attach EDF mounting rail to beams
Supplied singly without fasteners

EDF - pendants / mounting rails
Use to support 50 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths in a beam mounting situation. Can also be wall mounted (see p. 58-61), or trapeze and pendant mounted from the ceiling (see p. 75-76)
Supplied singly without fasteners

■ Installation


CLMU with EDF



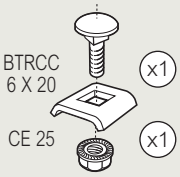
CLMU is secured to beams at either side with fasteners (not supplied). EDF mounting rails pass through the opening in the CLMU clamp and sit on the underside of the beam. 42 mm to 100 mm wide beams can be accommodated

■ Assembly

Securing CLMU to beams and to EDF

CLMU is secured to beams at either side with 1 X M8 x 20 fastener per clamp (not supplied)
EDF mounting rails pass through the opening in the CLMFAS clamp, sit on the underside of the beam and are secured with the fastener

Securing EDF mounting rail to steel wire cable tray



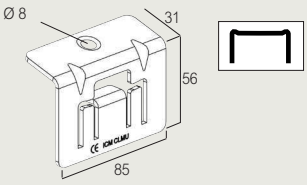
Use 1 x BTRCC 6 x 20 and 1 x CE25 to secure 50 mm to 200 mm tray EDF
For 300 mm to 600 mm tray use 2 x BTRCC 6 x 20 and 2 x CE25

→ For wall mounting : see p. 58-61

→ For ceiling (pendant / trapeze) mounting : see p. 75-76

■ Dimensions and weights

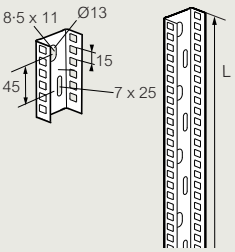
CLMU 30 → 105 mm 50 → 600 mm



Cat. Nos.	daN.m	Weight (kg) GS	DC
CLMU	15	0·20	0·20

Please use Cat. No. when placing your order, see p. 29
All weights are given in Kilograms (kg)

EDF 30 → 105 mm 100 → 600 mm



Cat. No.	L mm	F daN	Weight (kg) GS	GC	304L	316L
EDF600	600	50	0·77	0·83	–	–
EDF1000	1 000	65	1·19	1·24	–	–
EDF2000	2 000	70	2·40	2·56	2·48	2·48
EDF3000	3 000	100	3·66	3·89	–	–

Please use Cat. No. when placing your order, see p. 24
All weights are given in Kilograms (kg)

Key :
GS Pre-galvanised
GC Hot dip galvanised after manufacture
DC Geomet
304L Stainless steel 304L
316L Stainless steel 316L
For detailed information related to finishes, refer to **p. 116-117**

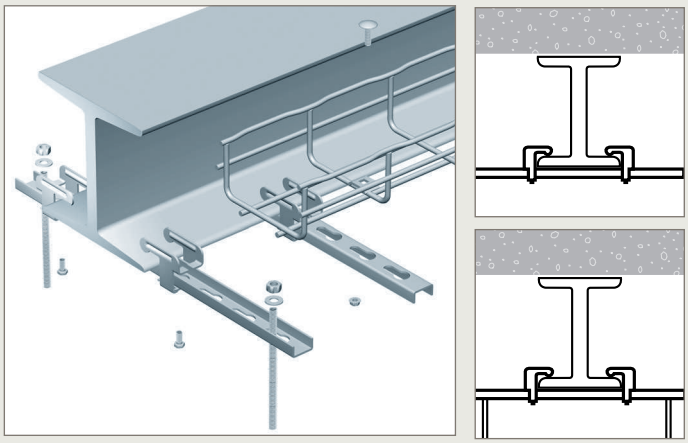
All dimensions (mm) are nominal

beam mounting
EF

■ EF – adjustable beam clamps

EF adjustable beam clamps can be used to support 100 mm to 300 mm wide steel wire cable tray in 30 mm to 54 mm depths along the length of a beam. Can also be used to trapeze mount cable tray using threaded rod. Supplied singly without fasteners

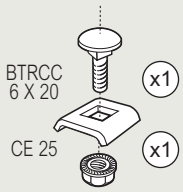
■ Installation



EF is secured to beams at either side with fasteners (not supplied)
Steel wire cable tray can be mounted directly to the channel piece, or suspended below using threaded rod

■ Assembly

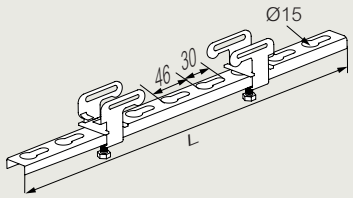
Securing EF adjustable beam clamp to steel wire cable tray

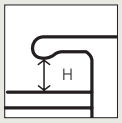


Use 1 x BTRCC 6 x 20 and 1 x CE25 to secure EF to tray

■ Dimensions and weights

30 → 54 mm 100 → 300 mm





H denotes the adjustable height range (see table below)

Cat. Nos.	L mm	H mm	daN.m	Weight (kg) EZ
EF11/400	400	1→11	3·5	0·22
EF15/600	600	1→15	5·5	0·22

Please use Cat. No. when placing your order, see p. 29

All weights are given in Kilograms (kg)

Key : EZ Electrogalvanising after manufacture

For detailed information related to finishes, refer to **p. 116-117**

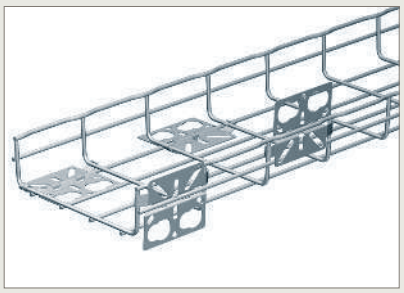
All dimensions (mm) are nominal

other mounting – take-off plates
SBDN – SBD – EXSBD

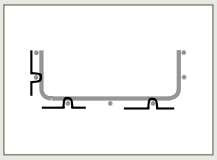
■ SBDN – universal conduit take-off plates

Mount to the base or side of steel wire cable tray to accept 20 mm or 25 mm diameter conduits. Use with 50 mm to 600 mm wide steel wire cable tray in 30 mm to 150 mm depths
Supplied singly without fasteners

■ Installation and assembly



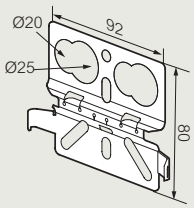
Fixing without nuts and bolts



Position SBDN using the groove and bend tabs to secure

■ Dimensions and weights

30 → 150 mm 50 → 600 mm



Cat. No.	Weight (kg) GS	Z+
SBDN	0·2	0·2

Please use Cat. No. when placing your order, see p. 30
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised
Z+ Continuous galvanisation before manufacture

For detailed information related to finishes, refer to **p. 116-117**

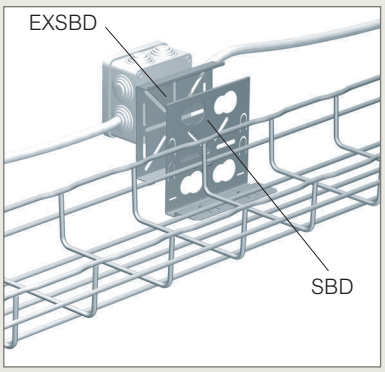
All dimensions (mm) are nominal

■ SBD – conduit take-off plates
EXSBD – switch box take-off plate

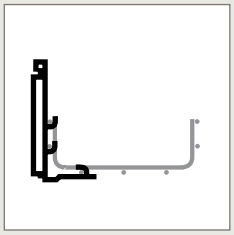
SBD
Mount to the side of steel wire cable tray to accept 20 mm or 25 mm diameter conduits. Use with 50 mm to 600 mm wide steel wire cable tray in 30 mm to 150 mm depths. SBD can also accept EXSBD switch box plate (below). Incorporate slot and tab design for easy fixing
Supplied singly. No fasteners required

EXSBD
Clip to SBD conduit take-off plates to enable mounting of switch boxes or junction boxes
Supplied singly. No fasteners required

■ Installation and assembly



Fixing without nuts and bolts

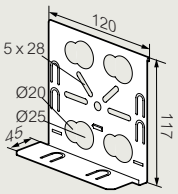


Fold tabs to secure SBD. EXSBD clips onto SBD using the slot position provided

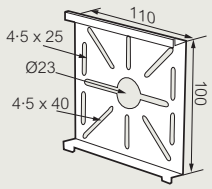
■ Dimensions and weights

30 → 150 mm 50 → 600 mm

SBD



EXSBD



Cat. No.	Weight (kg) GS	316L
SBD	0·1	0·1

Cat. No.	Weight (kg) GS
EXSBD	0·07

Please use Cat. No. when placing your order, see p. 30
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised
316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

other mounting – universal mounting plates
CM50 – CM50XL – CAT40

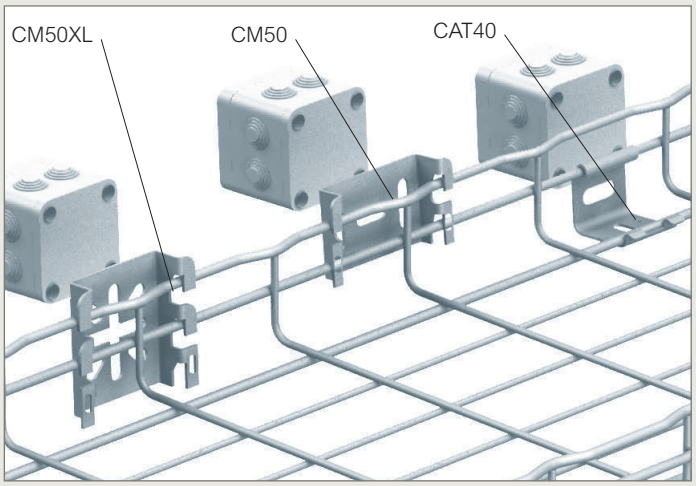
■ CM50 – universal mounting plates (small) / CM50XL – universal mounting plates (large) / CAT40 – channel fixing plates

CM50 - universal mounting plates (small)
Mount to the side of steel wire cable tray as an ancillary mounting plate. Use with 50 mm to 600 mm wide steel wire cable tray in 30 mm, 54 mm and 105 mm depths. CM50 can also be used to mount cable tray to the wall (see p 55)
Incorporate slot and tab design for easy fixing
Supplied singly. No fasteners required

CM50XL - universal fixing plates (large)
Mount to the side of steel wire cable tray as an ancillary mounting plate. Use with 50 mm to 600 mm wide steel wire cable tray in 30 mm, 54 mm and 105 mm depths. CM50XL can also be used to mount cable tray to the wall (see p 55), floor (see p. 78) or ceiling (see p. 69)
Incorporate slot and tab design for easy fixing
Supplied singly. No fasteners required

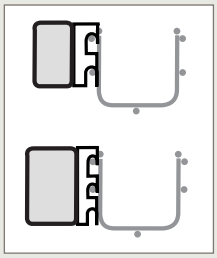
CAT40 - channel fixing plates
Mount to the side of steel wire cable tray as an ancillary mounting plate. Use with 50 mm to 600 mm wide steel wire cable tray in 30 mm, 54 mm and 105 mm depths. CM50XL can also be used to mount cable tray to the wall (see p 54)
Supplied singly. No fasteners required

■ Installation and assembly



CM50, CM50XL and CAT 40 plates are clipped onto the side rail of the tray to accommodate ancillary items. No fasteners are required to attach plates onto tray

Fixing without nuts and bolts

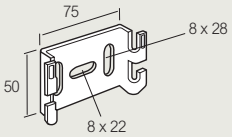


CM50 and CM50XL in side profile with ancillary items mounted to the flat side

■ Dimensions and weights

30 / 54 / 105 mm **50 → 600 mm**

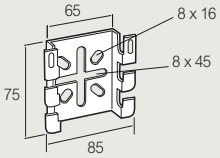
CM50



Cat. Nos.	Weight (kg) GS	GC	304L	316L
CM50	0·08	0·08	0·07	0·07

Please use Cat. No. when placing your order, see p. 31
All weights are given in Kilograms (kg)

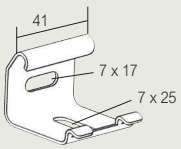
CM50XL



Cat. Nos.	Weight (kg) GS	GC	304L	316L
CM50XL	0·10	0·11	0·08	0·08

Please use Cat. No. when placing your order, see p. 31
All weights are given in Kilograms (kg)

CAT40



Cat. Nos.	Weight (kg) GS	DC	316L
CAT40	0·04	0·04	0·04

Please use Cat. No. when placing your order, see p. 31
All weights are given in Kilograms (kg)

For wall mounting : see p. 54-55
For ceiling mounting : see p. 69
For floor mounting : see p. 78

Key :
- GS Pre-galvanised
- GC Hot dip galvanised after manufacture
- DC Geomet
- 304L Stainless steel 304L
- 316L Stainless steel 316L

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

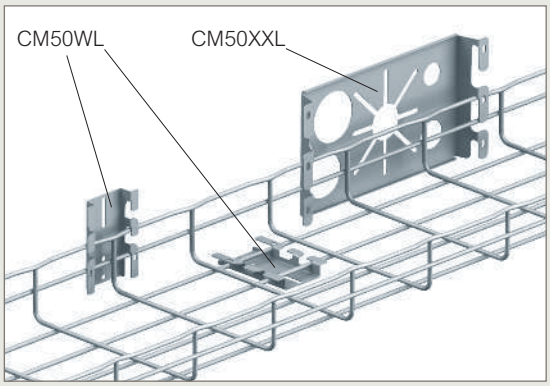
other mounting – universal mounting plates
CM50XXL – CM50WL

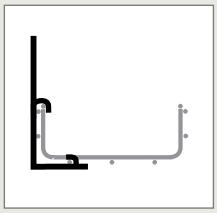
■ CM50XXL – universal mounting plates (extra large) / CM50WL – universal Wieland mounting plates

CM50XXL - universal mounting plates (extra large)
Mount to the side of steel wire cable tray to accept conduit or switch / junction boxes. Use with 50 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths. Incorporate slot and tab design for easy fixing
Supplied singly. No fasteners required

CM50WL
Mount to the side or base of steel wire cable tray as a Wieland ancillary mounting plate. Use with 50 mm to 600 mm wide steel wire cable tray in 30 mm to 105 mm depths. Incorporate slot and tab design for easy fixing
Supplied singly. No fasteners required

■ Installation and assembly





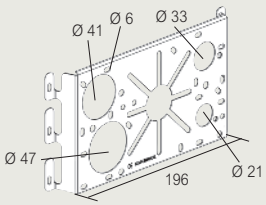
CM50WL and CM50XXL are clipped onto the side rail of the tray to accommodate ancillary items. No fasteners are required to attach plates onto tray

Fixing without nuts and bolts

■ Dimensions and weights

30 → 105 mm 50 → 600 mm

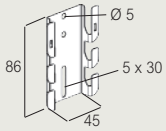
CM50XXL



Cat. No.	Weight (kg) GS	DC
CM50XXL	0·24	0·24

Please use Cat. No. when placing your order, see p. 31
All weights are given in Kilograms (kg)

CM50WL



Cat. No.	Weight (kg) GS	DC
CM50WL	0·05	0·05

Please use Cat. No. when placing your order, see p. 31
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised
DC Geomet

For detailed information related to finishes, refer to **p. 116-117**

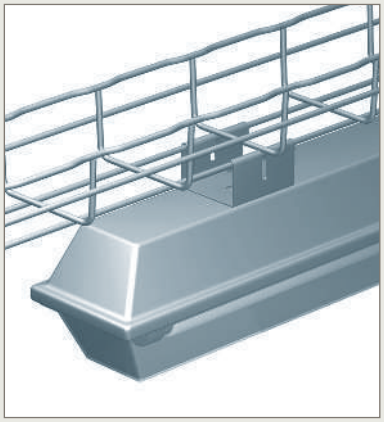
All dimensions (mm) are nominal

other mounting – luminaire supports
SL50 – SL100 – MFM – MFPOLYA

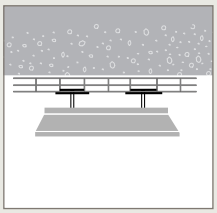
■ SL50 / SL100 – luminaire supports

Mount to the base of steel wire cable tray to suspend luminaires from the base of the tray run. SL50 can also be used to mount 50 mm wide cable tray to the ceiling, (see p. 66)
Supplied singly without fasteners

■ Installation and assembly



Fixing without nuts and bolts

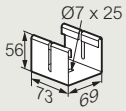


SL50 / SL100 luminaire supports clip onto the base wires of the tray
No fasteners required to secure bracket to tray

■ Dimensions and weights

SL 50

30 → 54 mm **50 mm**

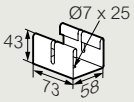


Cat. Nos.	H mm	F daN	Weight (kg) GS
SL50	56	150	0·19

Please use Cat. No. when placing your order, see p. 32
All weights are given in Kilograms (kg)

SL 100

30 → 105 mm **100 → 600 mm**



Cat. Nos.	H mm	F daN	Weight (kg) GS
SL100	43	150	0·14

Please use Cat. No. when placing your order, see p. 32
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised

For detailed information related to finishes, refer to **p. 116-117**

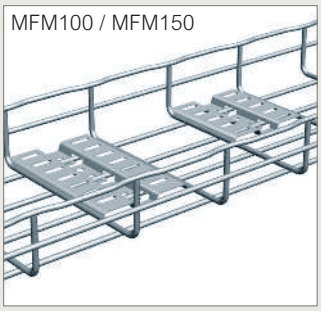
All dimensions (mm) are nominal

■ MFM – MFPOLYA – multifix base plates

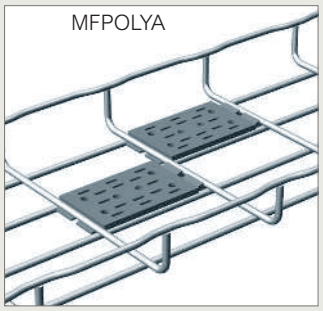
Mount inside the tray bed to allow for additional base mounting options for extra services
Supplied singly without fasteners

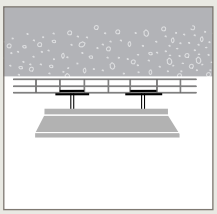
■ Installation and assembly

MFM100 / MFM150



MFPOLYA





MFM100 / MFM150 and MFPOLYA can all be used to suspend luminaires from the base of the tray run

Fixing without nuts and bolts

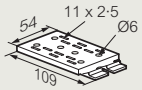
■ Dimensions and weights

30 → 150 mm **100 → 600 mm**

MFM100

MFM150

MFPOLYA



Cat. No.	L mm	Weight (kg) GS	Z+	316L	POLYMIDE
MFM100	100	0·07	0·07	0·07	–
MFM150	150	0·11	0·11	–	–
MFPOLYA	109	–	–	–	0·03

Please use Cat. No. when placing your order, see p. 32
All weights are given in Kilograms (kg)

Key : GS Pre-galvanised; Z+ Continuous galvanisation before manufacture; 316L Stainless steel 316L; Polyamide

For detailed information related to finishes, refer to **p. 116-117**

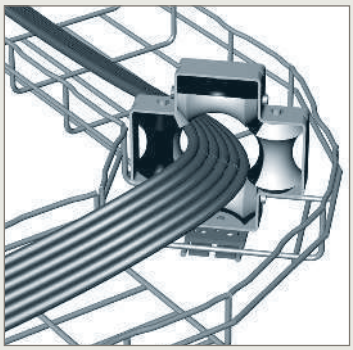
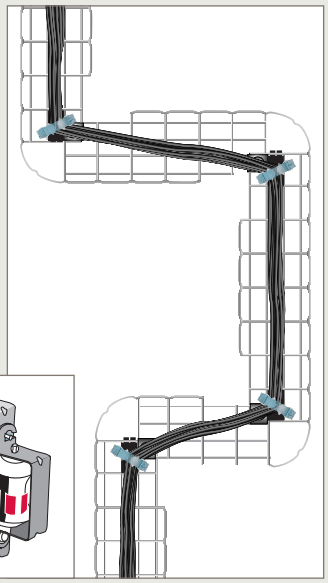
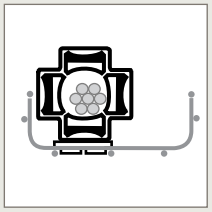
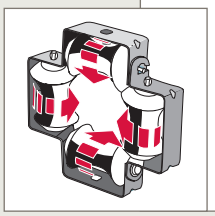
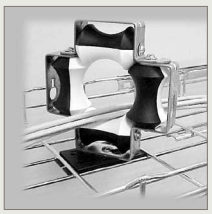
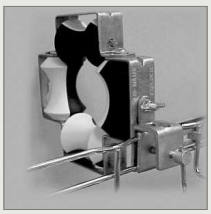
All dimensions (mm) are nominal

For ceiling mounting : see p. 66

■ FAS ROLLER – cabling roller

Enables the easy installation of cables into a steel wire cable tray run using the cable roller tools, mounting plates and clamps
Supplied with roller, mounting plate and clamp

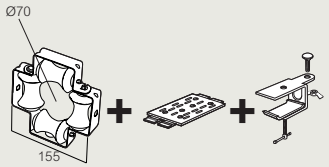
■ Installation and assembly


FASROLLER is fitted to the base of the tray at every corner

■ Dimensions and weights

30 → 150 mm 50 → 600 mm



Cat. No.	Weight (kg) GS
FAS ROLLER	5·01

Please use Cat. No. when placing your order, see p. 33

All weights are given in Kilograms (kg)

Key : GS Pre-galvanised

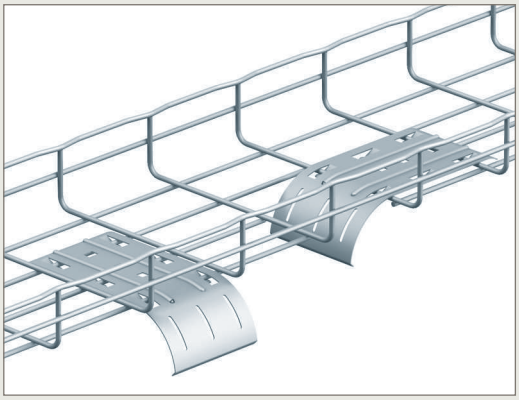
For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

■ DEV100 – cable dropout plates

Base mounted cable drop out plate to aid cable egress
Incorporates slot and tab design for easy fixing. Supplied singly

■ Installation and assembly




Fixing without nuts and bolts

DEV100 dropout plates are fitted inside the tray bed by folding the tabs
Can be fitted along the length of the run or across the width to enable cable egress

■ Dimensions and weights

30 → 150 mm 100 → 600 mm

Cat. Nos.	Weight (kg) GS	Z+	316L
DEV100	0·17	0·14	0·13

Please use Cat. No. when placing your order, see p. 33

All weights are given in Kilograms (kg)

Key : GS Pre-galvanised; Z+ Continuous galvanisation before manufacture; 316L Stainless steel 316L

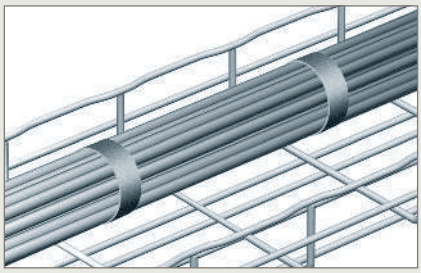
For detailed information related to finishes, refer to **p. 116-117**

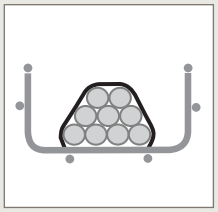
All dimensions (mm) are nominal

■ CABLOGRIP – cable grip

Banding strip used to form and secure a cable bundle within a steel wire cable tray run
Supplied singly

■ Installation and assembly





CABLOGRIP forms an organised bundle of cables which can then be secured

■ Dimensions and weights

30 → 150 mm 100 → 600 mm

Cat. No.	L mm	Weight (kg) OTHER
CABLOGRIP	5 000	0·93

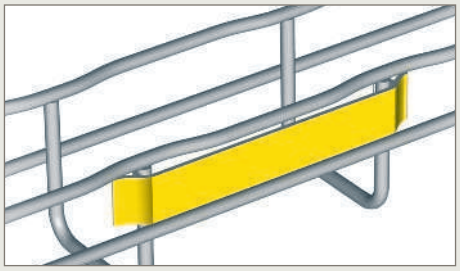
Please use Cat. No. when placing your order, see p. 33

All weights are given in Kilograms (kg)

■ CLIP - identification tags

Coloured identification tag attaches to the side of steel wire cable tray
Supplied in packs of 50

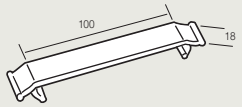
■ Installation and assembly



CLIP identification clips attach to the side rail of the tray run
No fasteners required

■ Dimensions and weights

30 → 150 mm 50 → 600 mm



Cat. No.	Weight (kg) PLAST
CLIPJ	0·01
CLIPV	0·01
CLIPB	0·01
CLIPO	0·01
CLIPG	0·01
CLIPP	0·01

Please use Cat. No. when placing your order, see p. 33

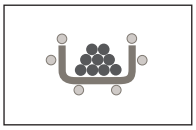
All weights are given in Kilograms (kg)

Key : PLAST Plastic

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

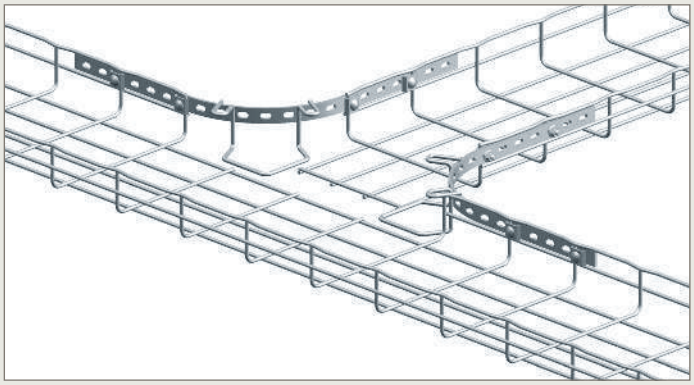
cabling accessories
PA



■ PA - radius support

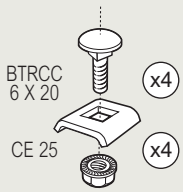
Used as a corner assembly in conjunction with site fabricated fittings
Supplied singly without fasteners

■ Installation



PA fitted to form a radius support for site fabricated bends to ensure a smooth bending. Fasteners required (not supplied)

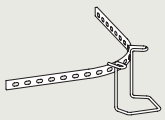
■ Assembly



Use 4 x BTRCC 6 x 20 and 1 x CE25 to secure PA to tray

■ Dimensions and weights

CF30 / CF54 / CF105 mm 50 → 600 mm



Cat. Nos.	H mm	Weight (kg) EZ	Weight (kg) GC
PA1	30	0·25	0·29
PA2	54	0·27	0·31
PA3	105	0·29	0·33

Please use Cat. No. when placing your order, see p. 33

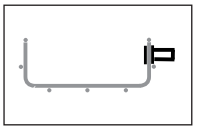
All weights are given in Kilograms (kg)

Key : EZ Electrogalvanising after manufacture
GC Hot dip galvanised after manufacture

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

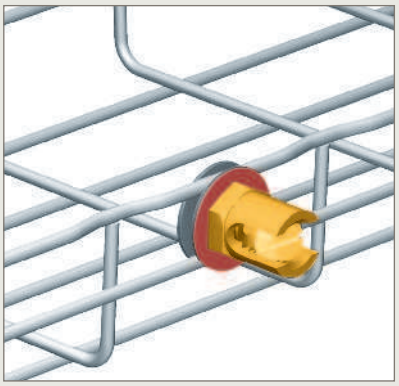
earthing
BLF

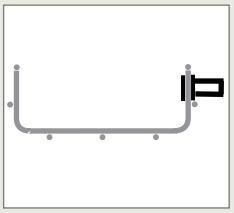


■ BLF – earth conductor clamps (copper)

Side mounted earth conductor clamp fits directly to side wires of steel wire cable tray. Use for protective conductors with a cross section of 16, 35 and 50 mm². Supplied singly

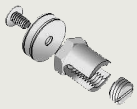
■ Installation





BLF attaches to side rail of tray

■ Assembly



Clamp in place with the earthing point outside of the tray

■ Dimensions and weights

30 → 150 mm 50 → 600 mm

Cat. Nos.	L mm	Ø mm²	Weight (kg) CU
BLF8/16	22	16	0·05
BLF8/35	24	35	0·06
BLF8/50	26	50	0·07

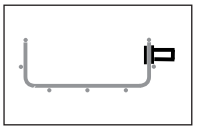
Please use Cat. No. when placing your order, see p. 34

All weights are given in Kilograms (kg)

Key : CU Copper

For detailed information related to finishes, refer to **p. 116-117**

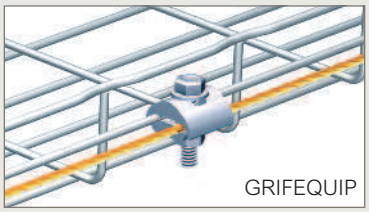
All dimensions (mm) are nominal

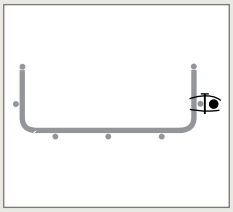


■ GRIFEQUIP – earth conductor clamp (aluminium)
GRIFEQUIP 2 – vertical earth clamp (aluminium)

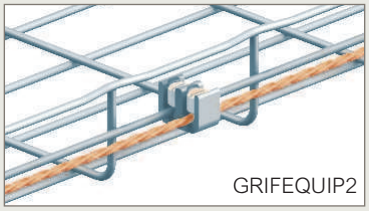
Side mounted earth conductor clamp fits directly to steel wire cable tray. Use for protective conductors with a cross section of between 6 and 35 mm^2
Supplied singly

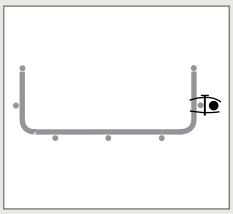
■ Installation





GRIFEQUIP clamps to the side rail of tray





GRIFEQUIP2 clamps to the side rail of tray

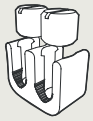
■ Dimensions and weights

CF30 / CF54 / CF105 mm **50 → 600 mm**

GRIFEQUIP

Ø – 6 X 35 mm^2

GRIFEQUIP 2



Ø – 6 X 35 mm^2

Cat. Nos.	Weight (kg) AL
GRIFEQUIP	0·02
GRIFEQUIP2	0·04

Please use Cat. No. when placing your order, see p. 34

All weights are given in Kilograms (kg)

Key : AL Aluminium

For detailed information related to finishes, refer to **p. 116-117**

All dimensions (mm) are nominal

installation guide

INSTALLATION GUIDE

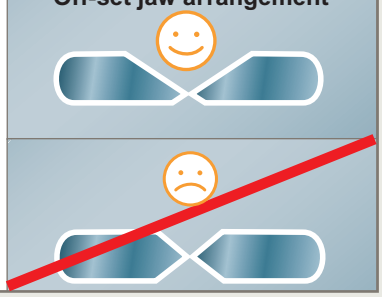
■ How to cut a cable tray

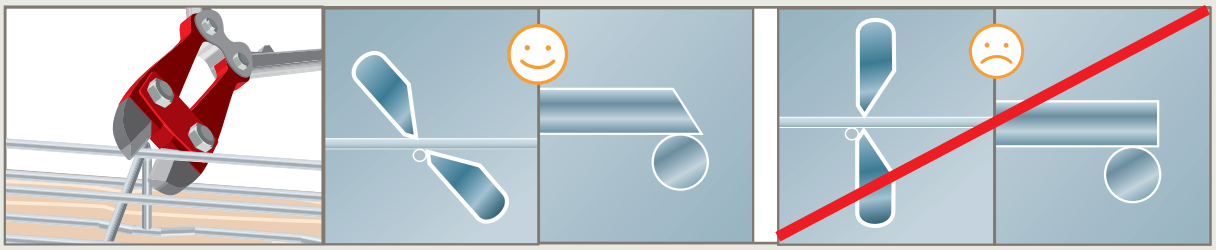
Coupefilgm - croppers

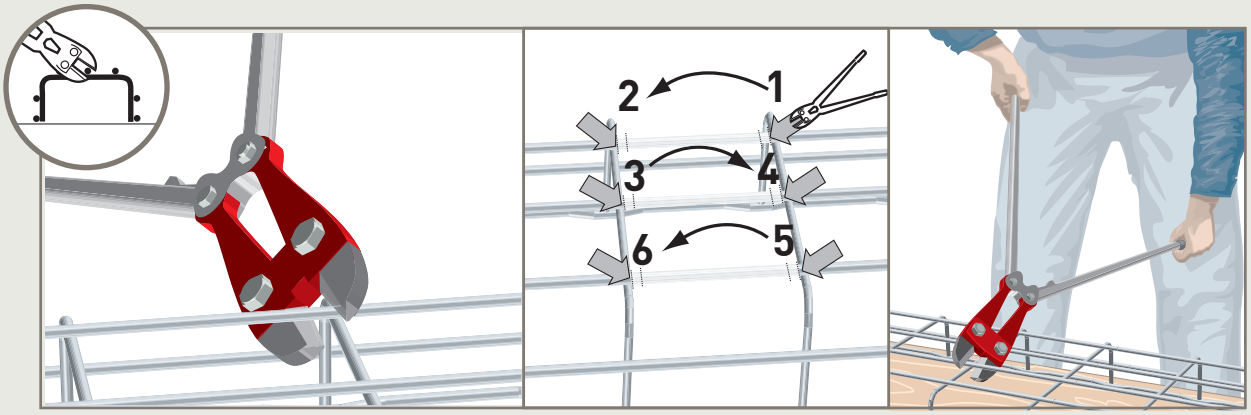
Cat. No.	L mm	kg/m
CM559507	630	2·7

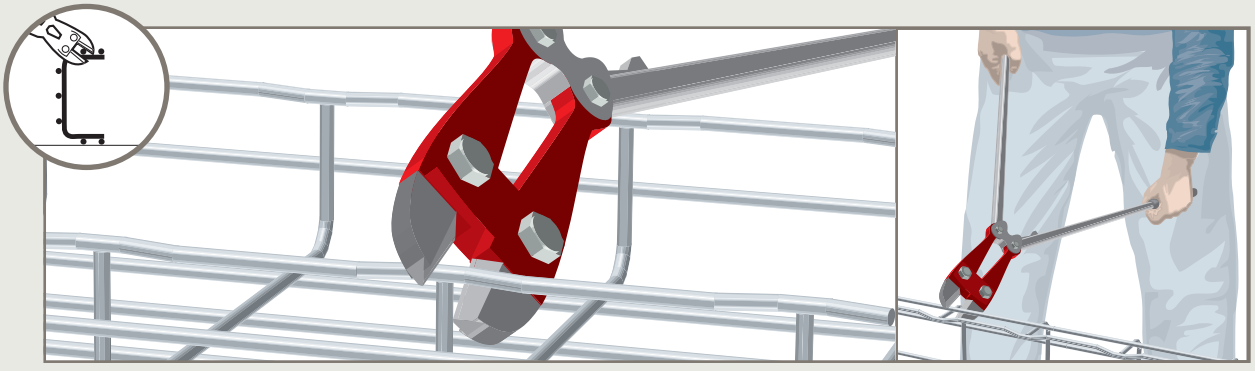
→ Coupefilgm : see p. 35

Off-set jaw arrangement









Cutyfil - electric cutting tool

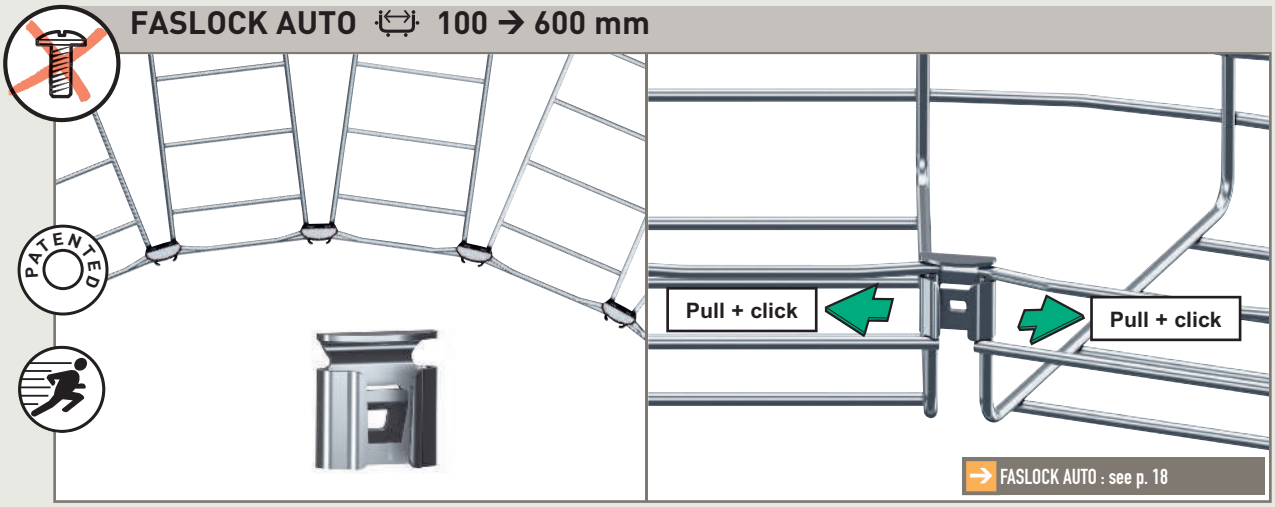
Cat. No.	kg/m
CUTYFIL	3·7

→ Cutyfil : see p. 35

All dimensions (mm) are nominal

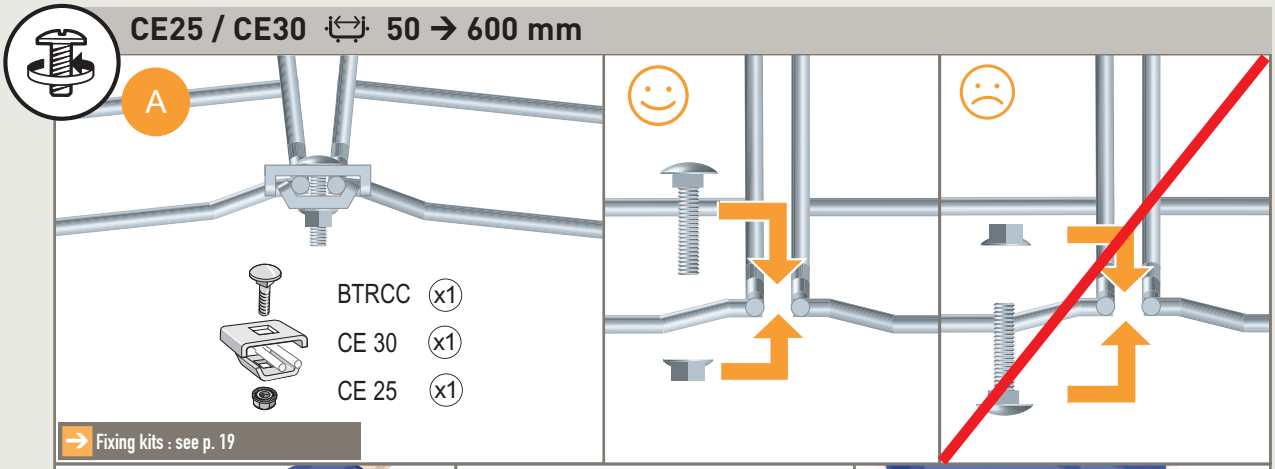
■ How to cut a cable tray (continued)

FASLOCK AUTO 100 → 600 mm

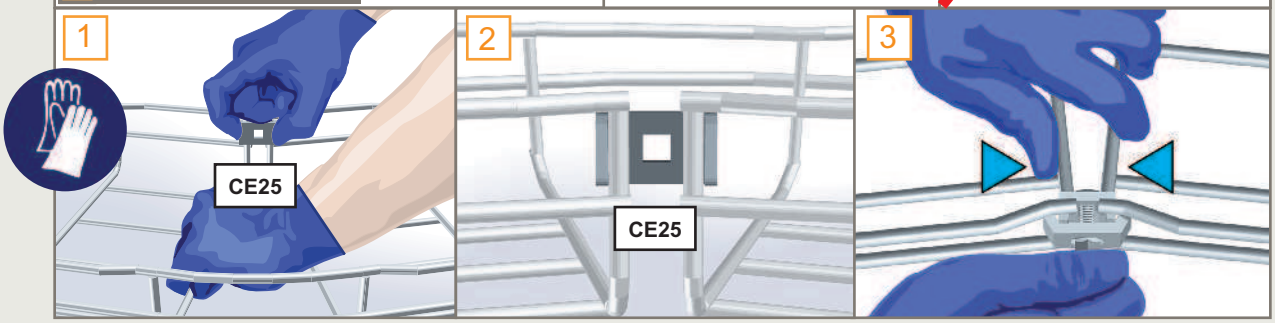


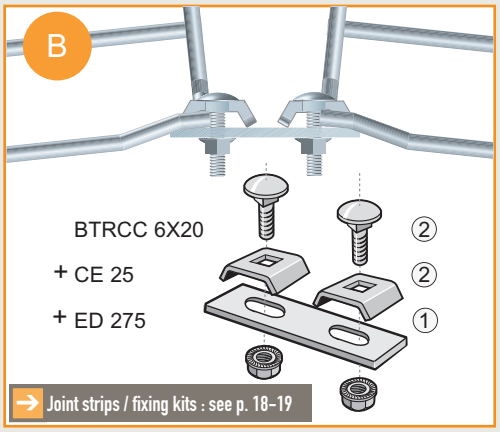
FASLOCK AUTO : see p. 18

CE25 / CE30 50 → 600 mm

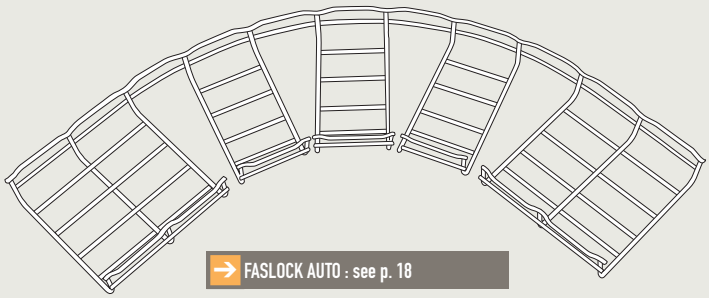


Fixing kits : see p. 19





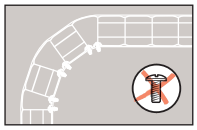
Joint strips / fixing kits : see p. 18-19



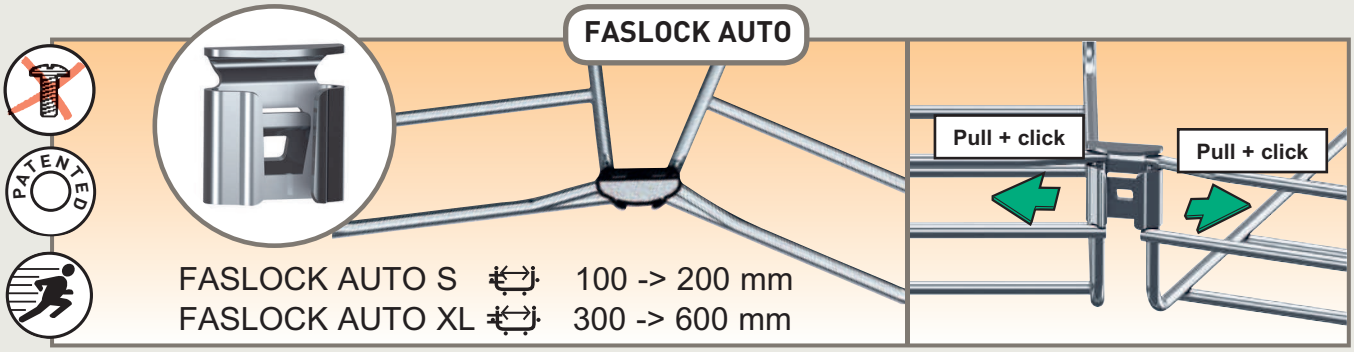
FASLOCK AUTO : see p. 18

All dimensions (mm) are nominal

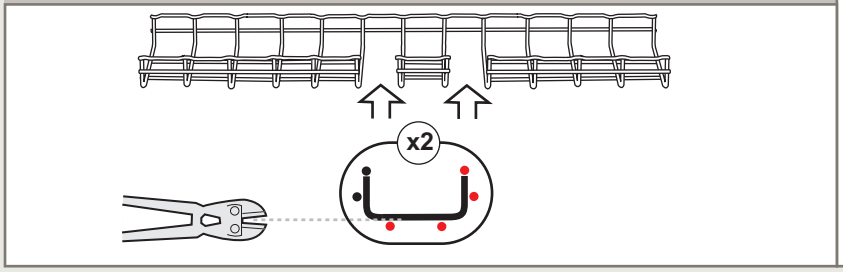
Fasteners : see p. 19, 35

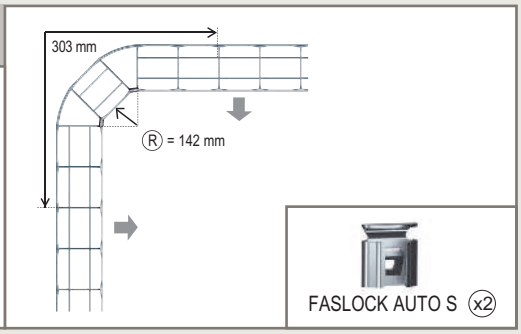


■ Large radius bends using FASLOCK AUTO

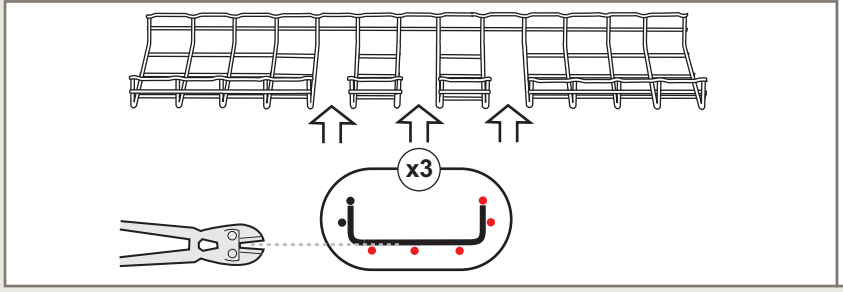


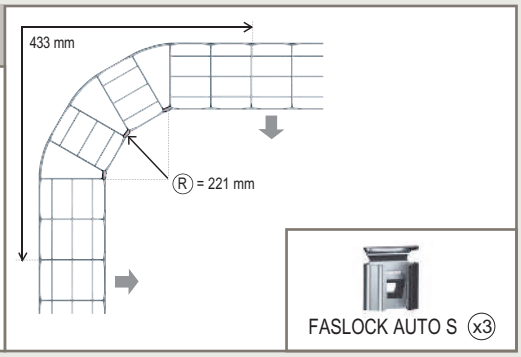
100 mm



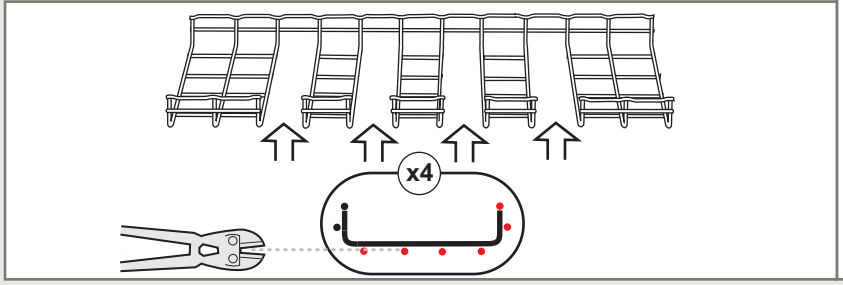


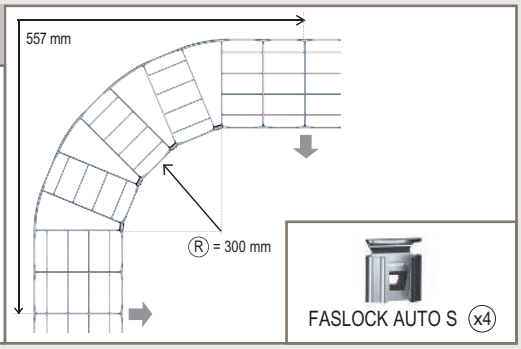
150 mm



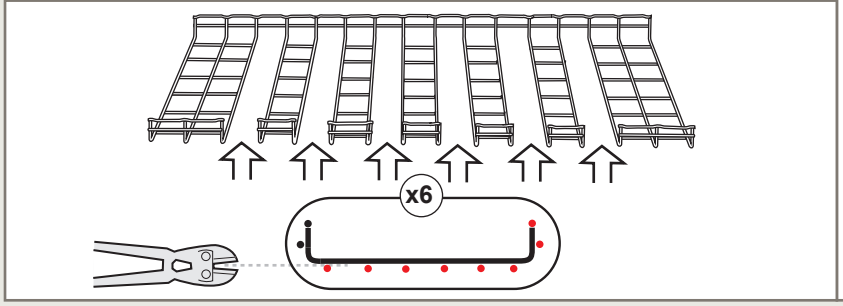


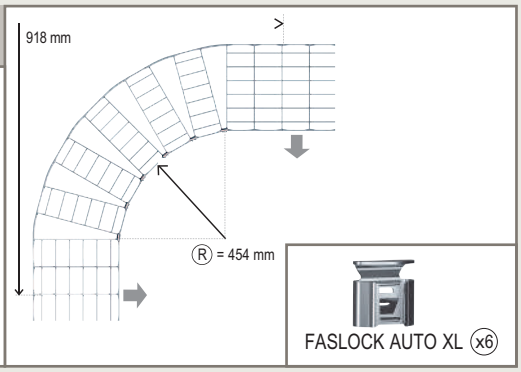
200 mm





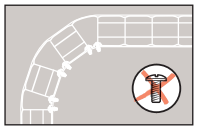
300 mm





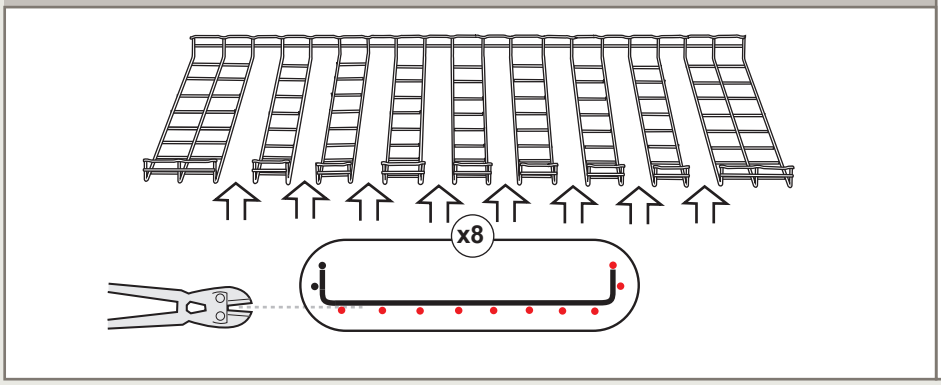
All dimensions (mm) are nominal

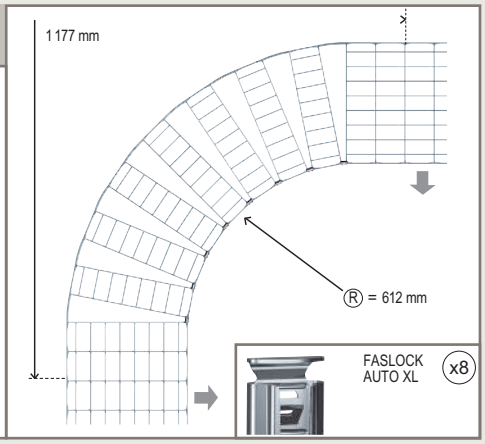
FASLOCK AUTO : see p. 18



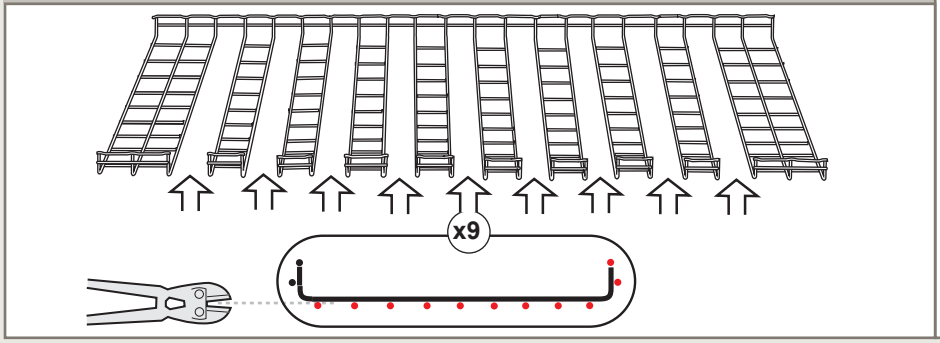
■ Large radius bends using FASLOCK AUTO (continued)

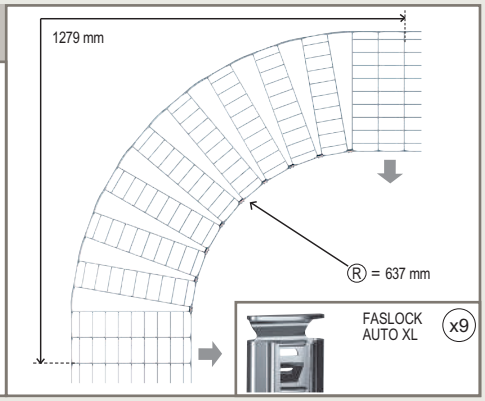
400 mm



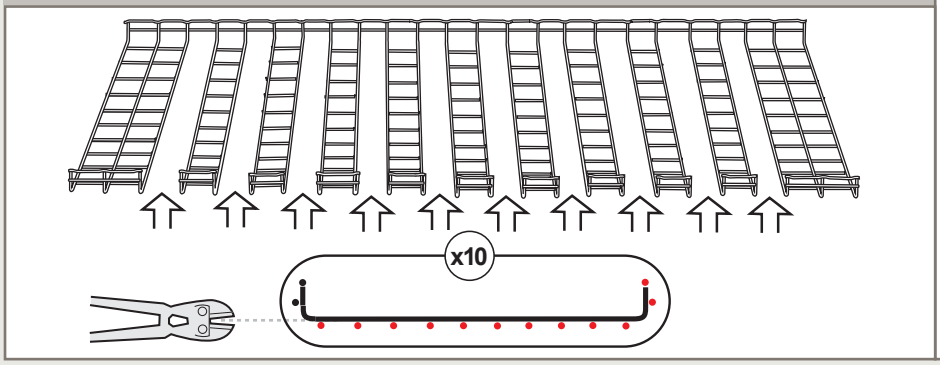


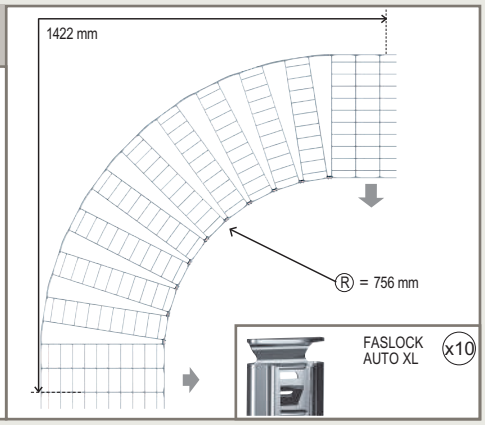
450 mm



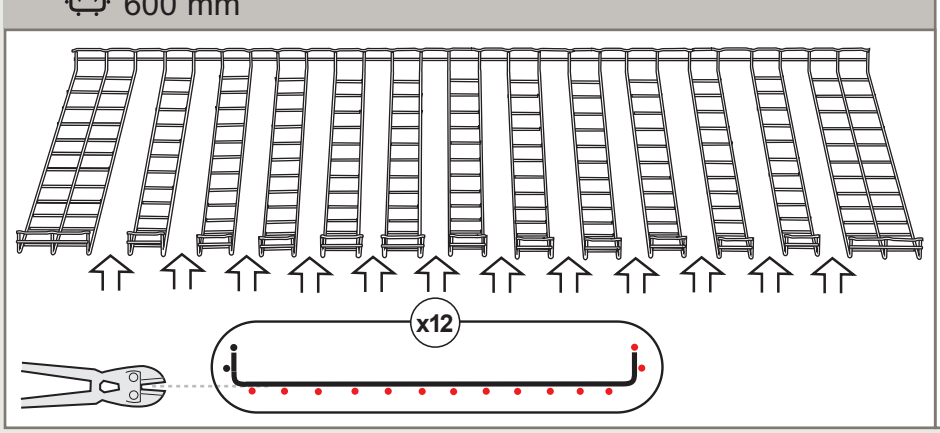


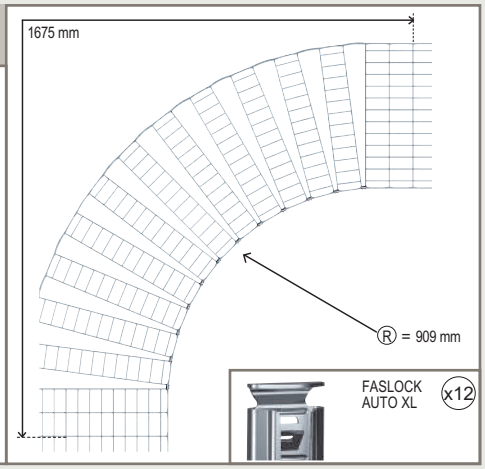
500 mm





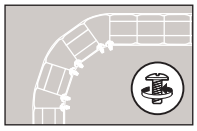
600 mm





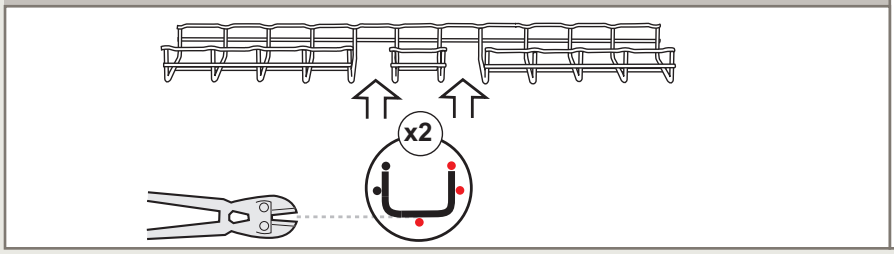
All dimensions (mm) are nominal

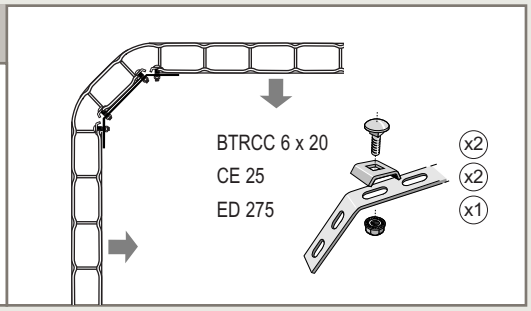
FASLOCK AUTO : see p. 18



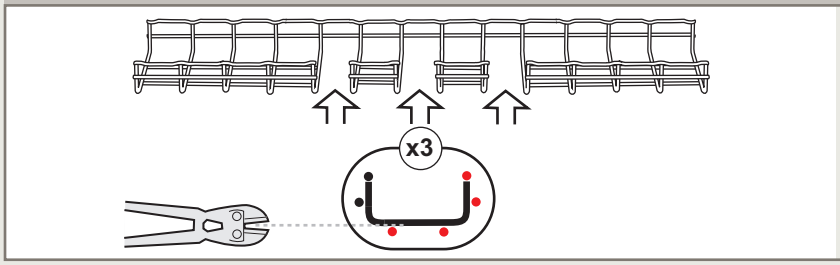
■ Large radius bends using fixing kits

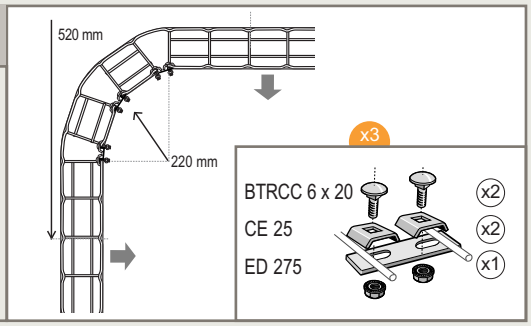
50 mm



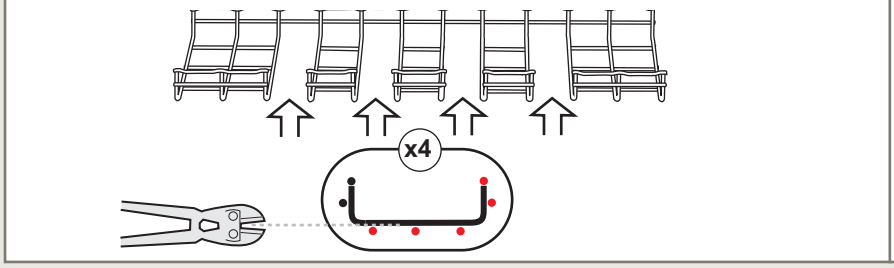


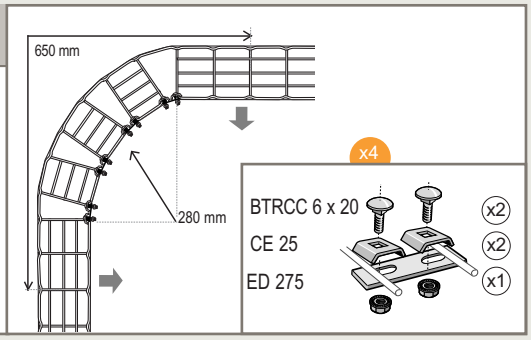
100 mm



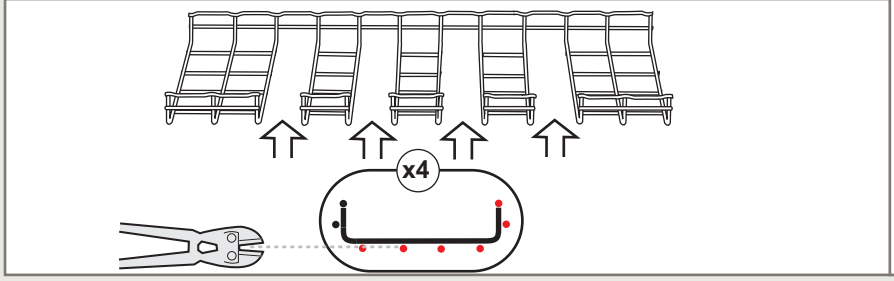


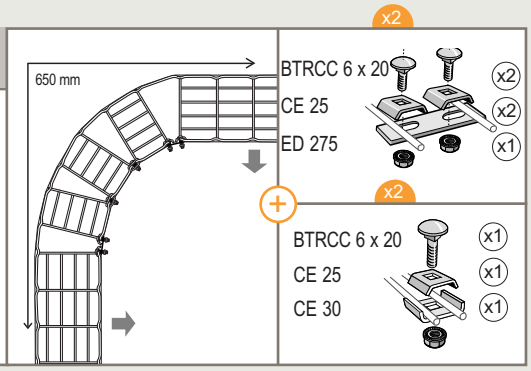
150 mm



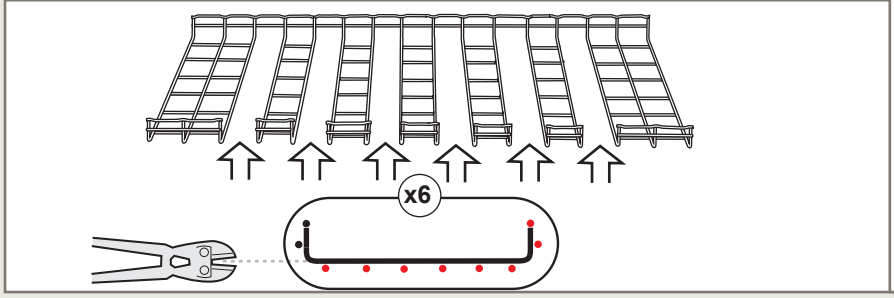


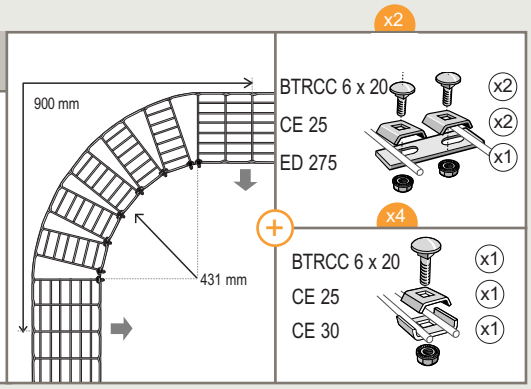
200 mm





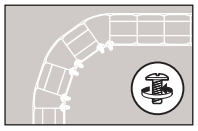
300 mm





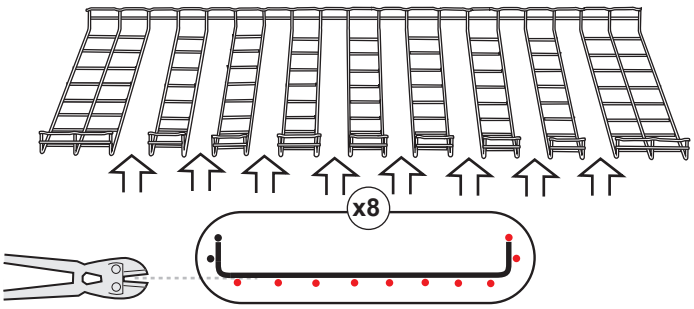
All dimensions (mm) are nominal

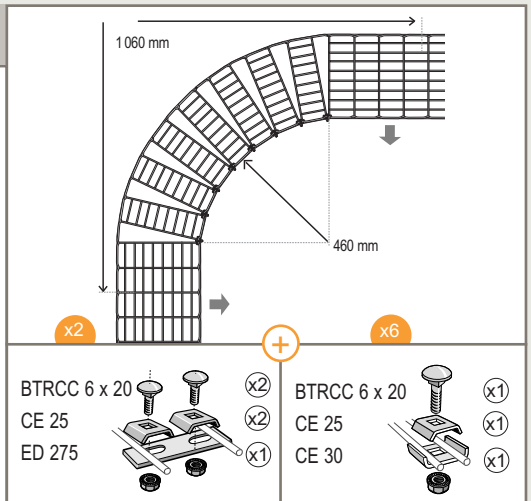
Joint strips / fixing kits : see p. 18-19



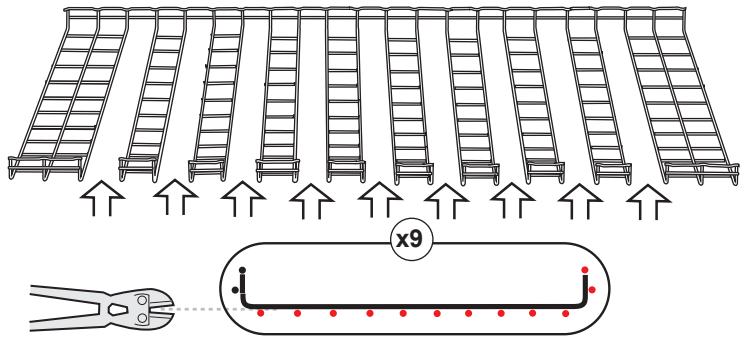
■ Large radius bends using fixing kits (continued)

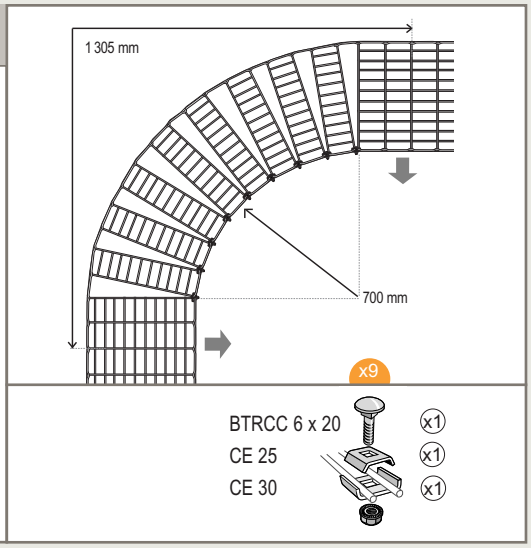
400 - 450 mm



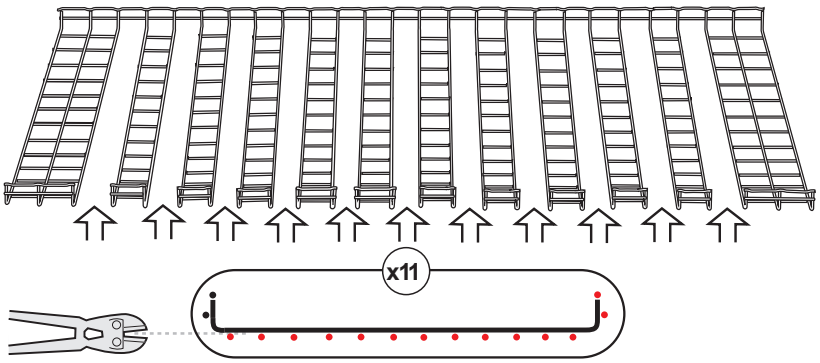


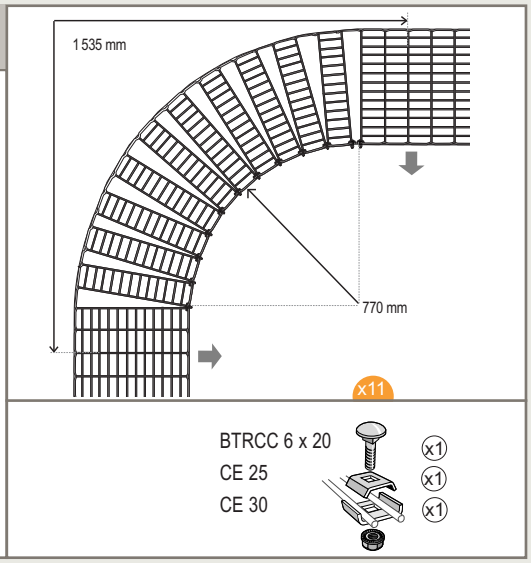
500 mm





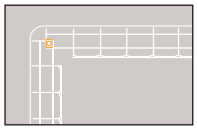
600 mm





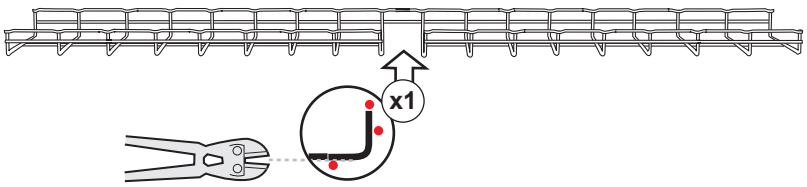
All dimensions (mm) are nominal

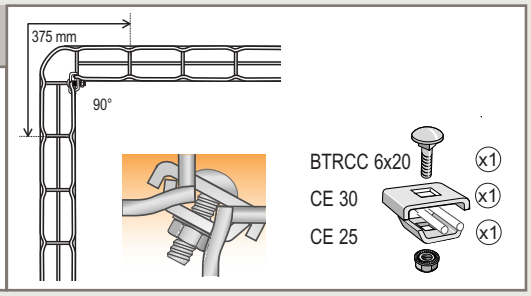
Joint strips / fixing kits : see p. 18-19



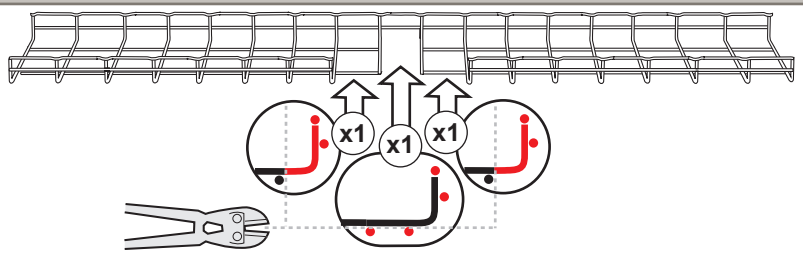
■ Small radius bends

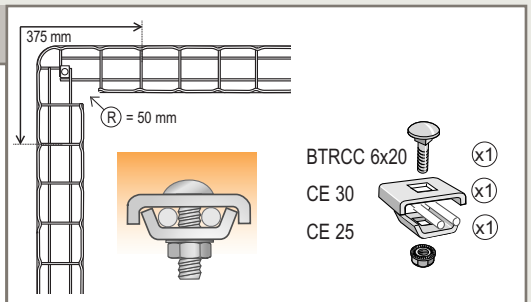
50 mm



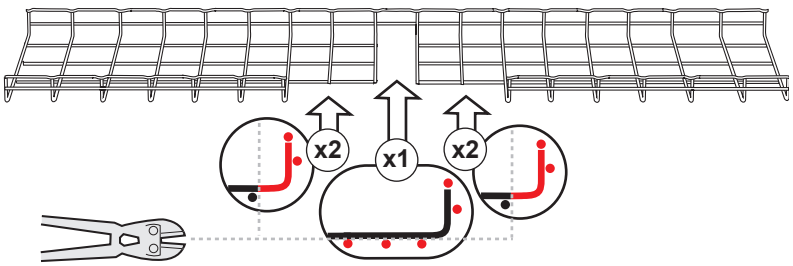


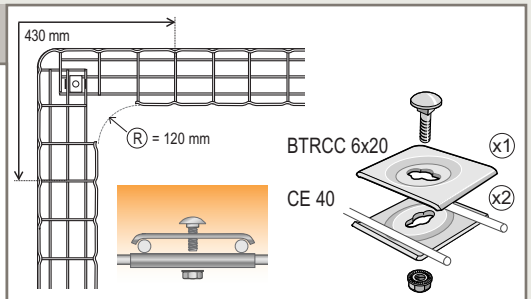
100 mm



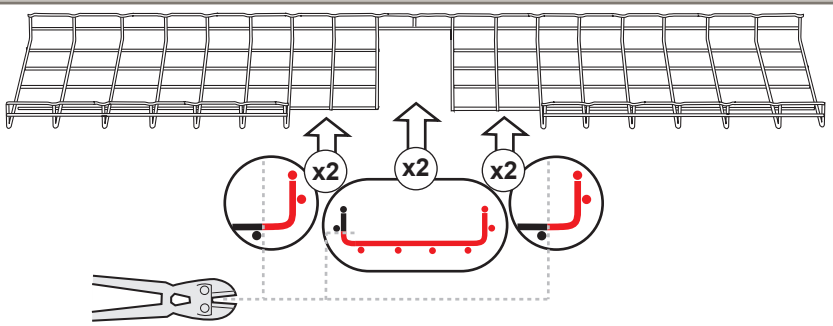


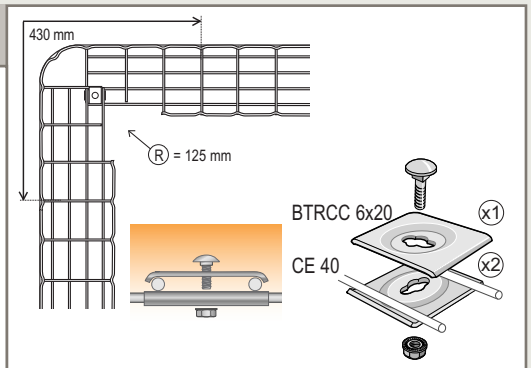
150 mm



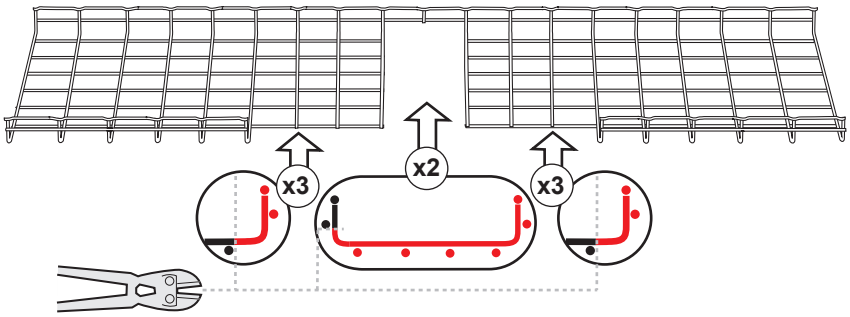


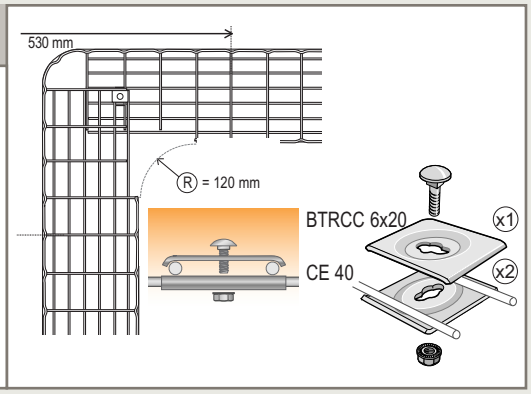
200 mm





300 mm

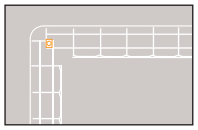




All dimensions (mm) are nominal

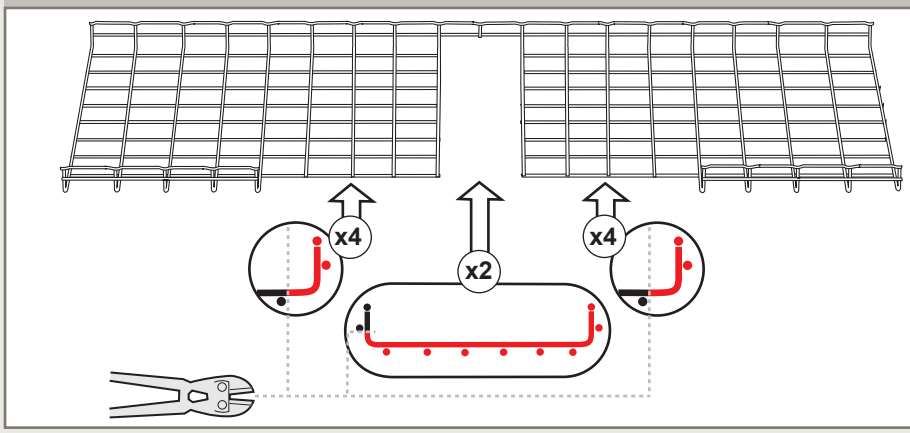
CE40 : see p. 25

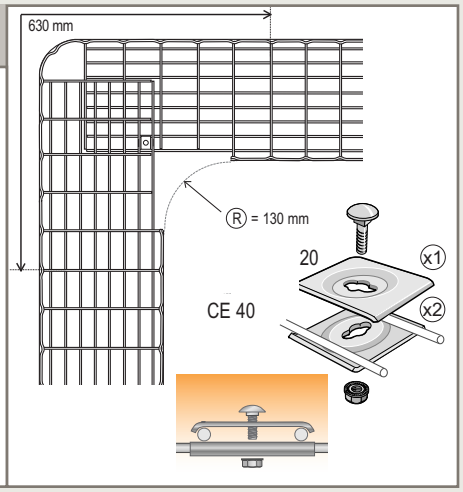
Fixing kits : see p. 19



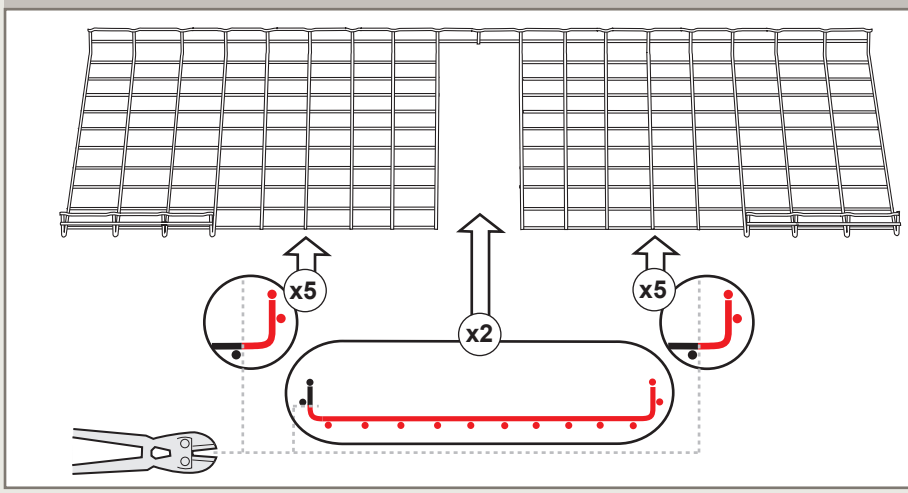
■ Small radius bends (continued)

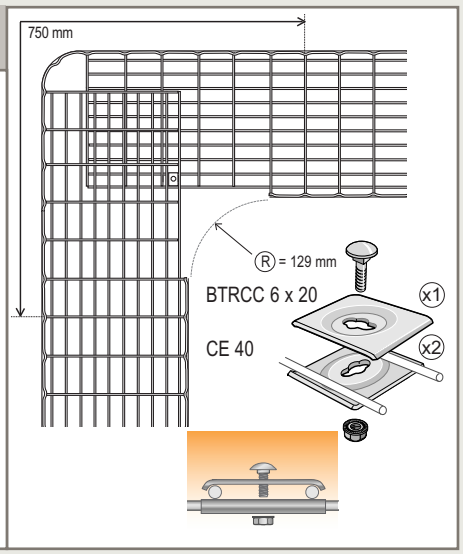
400 - 450 mm



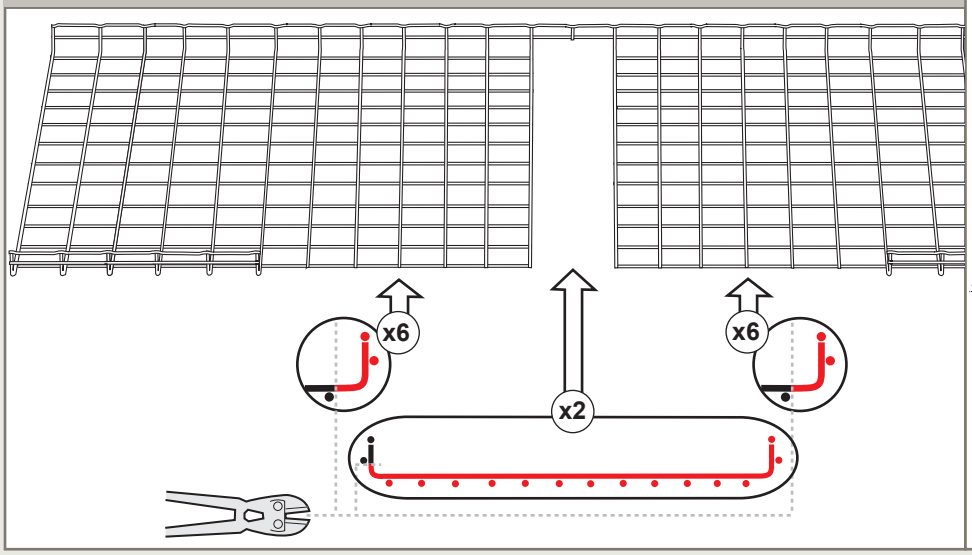


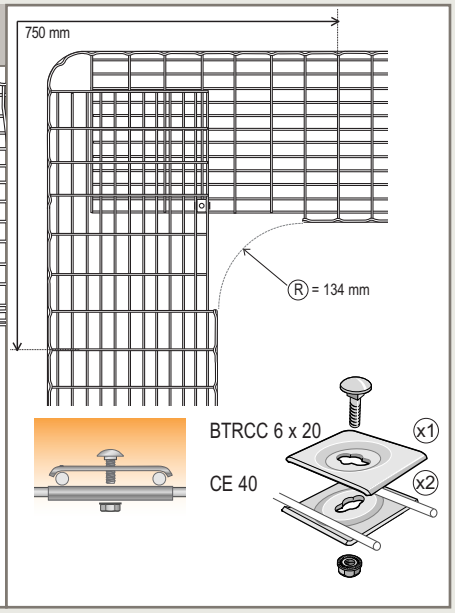
500 mm





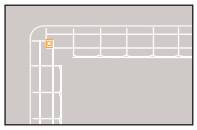
600 mm





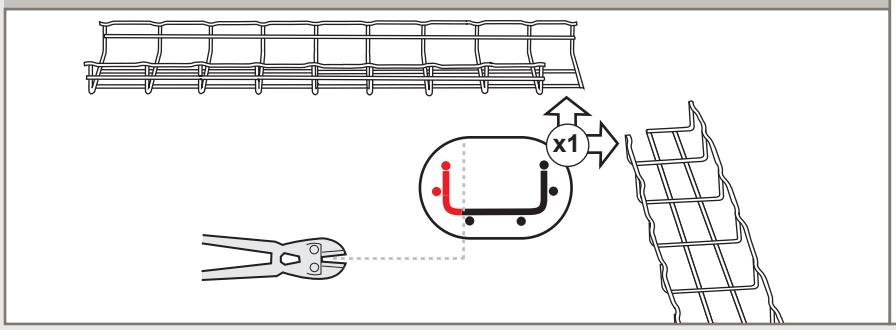
All dimensions (mm) are nominal

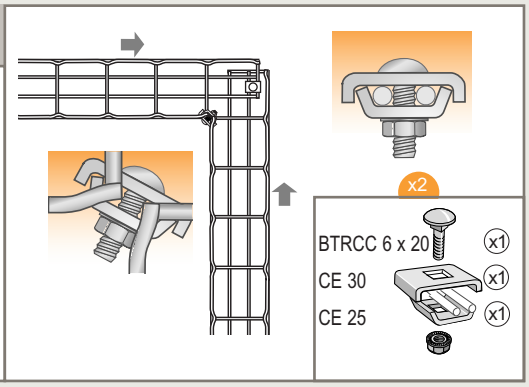
CE40 : see p. 25
Fixing kits : see p. 19



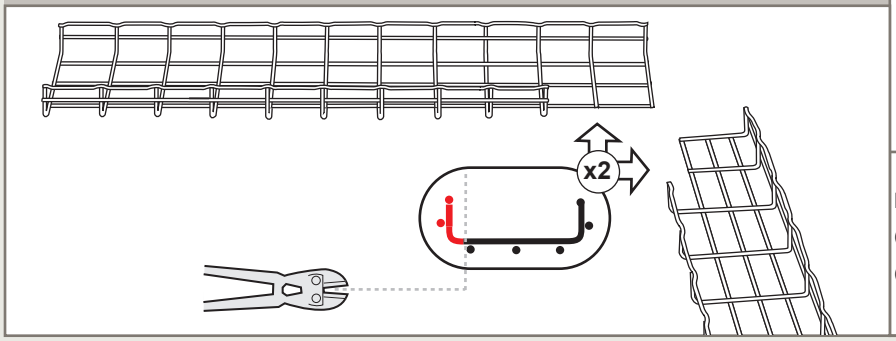
■ Right angle bends

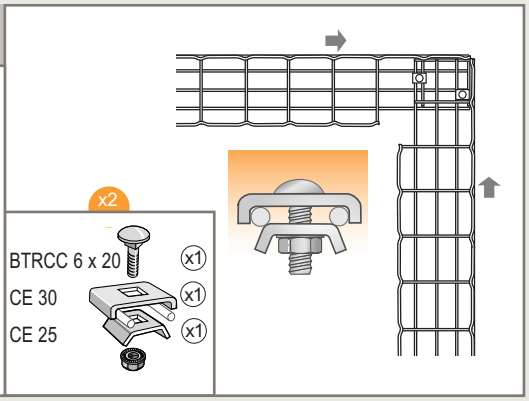
100 mm



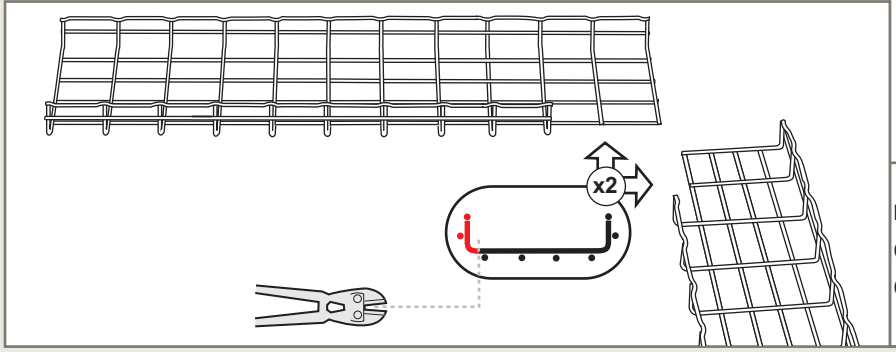


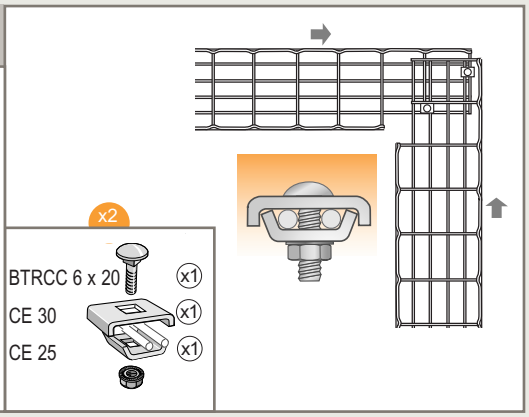
150 mm



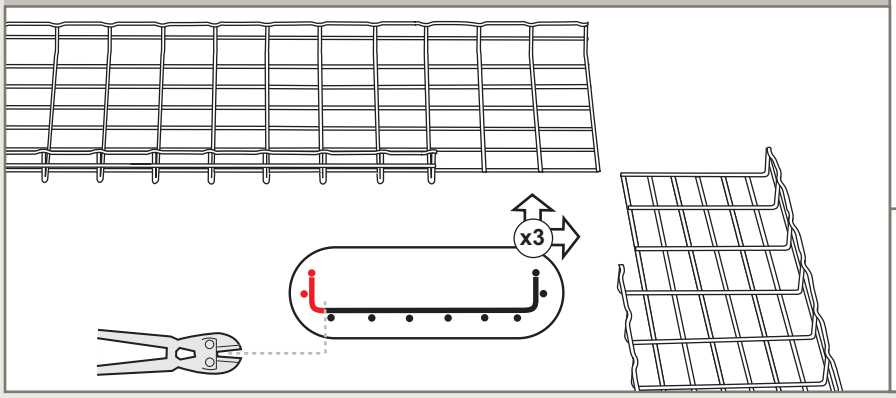


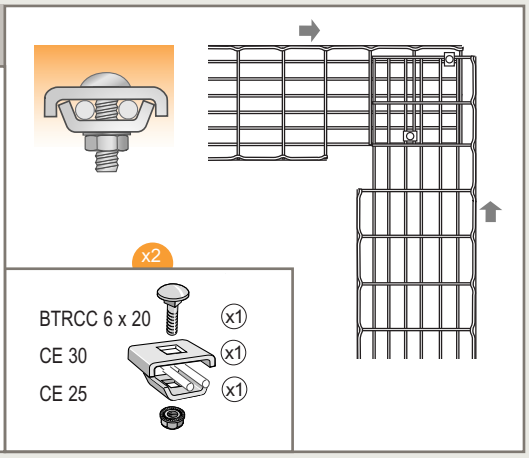
200 mm





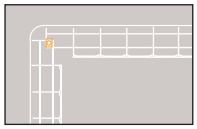
300 mm





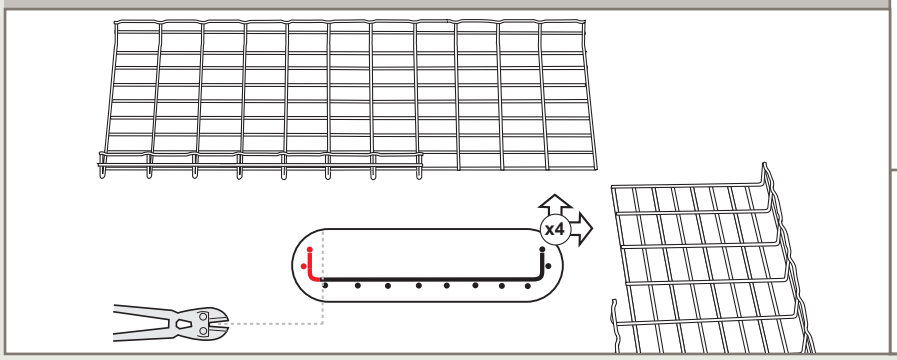
All dimensions (mm) are nominal

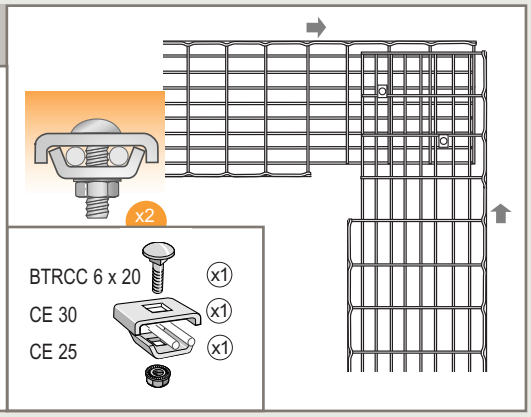
Fixing kits : see p. 19



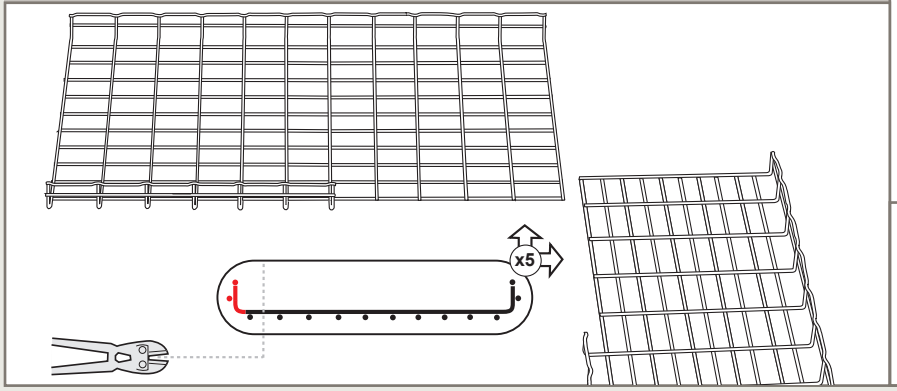
■ Right angle bends (continued)

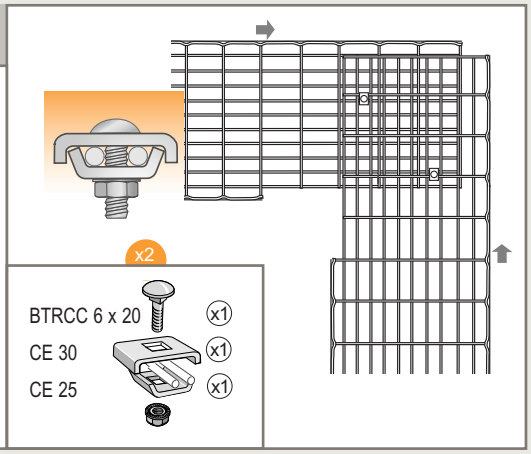
400 mm



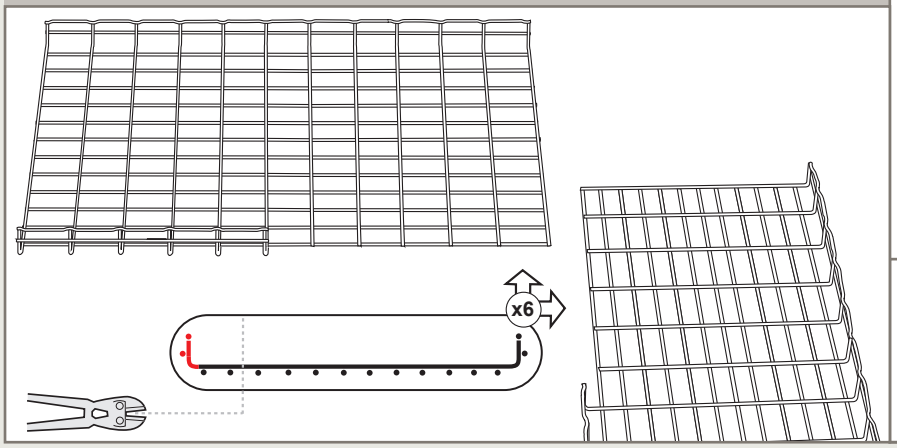


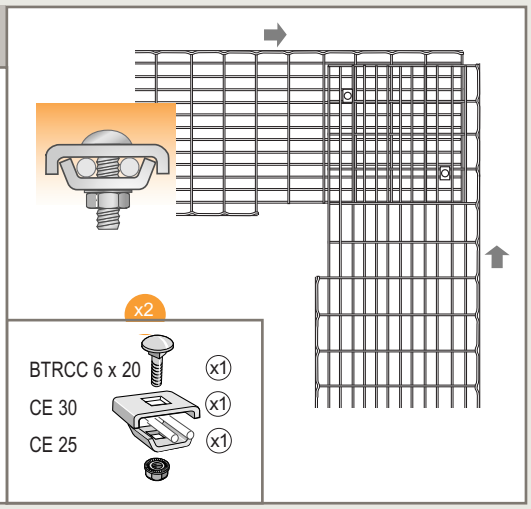
500 mm

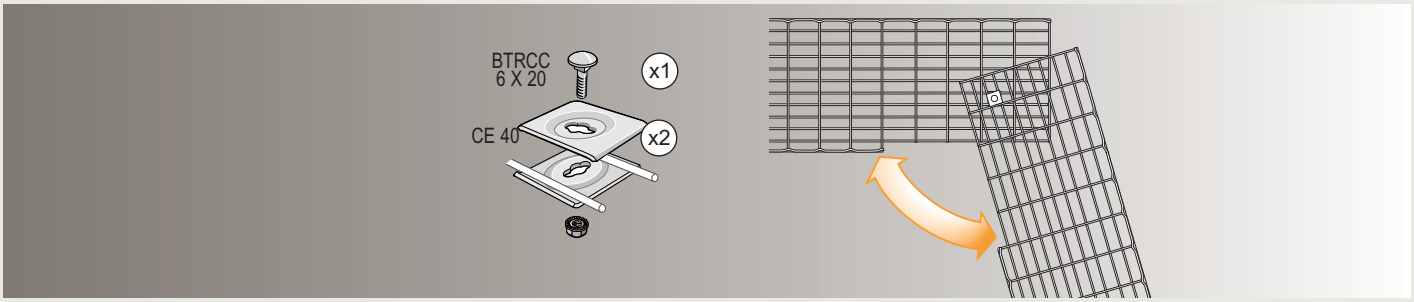




600 mm

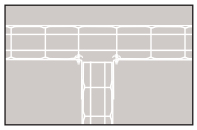






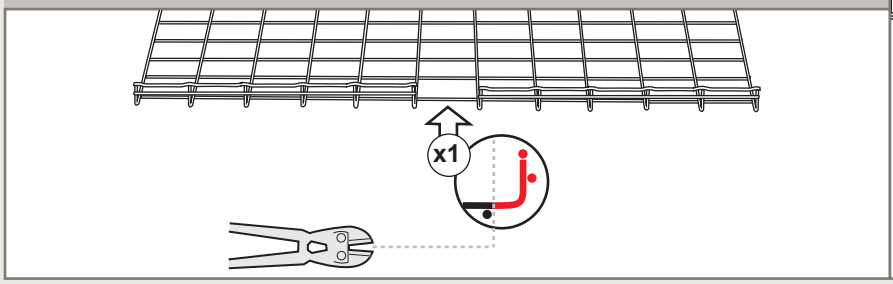
All dimensions (mm) are nominal

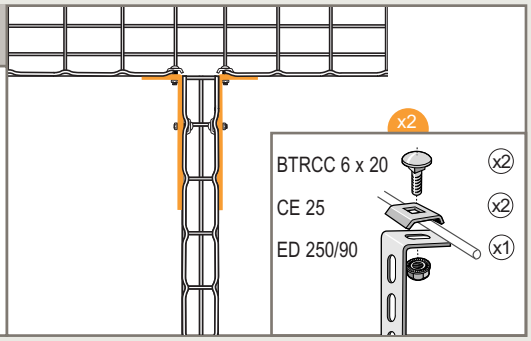
CE40 : see p. 25
Fixing kits : see p. 19



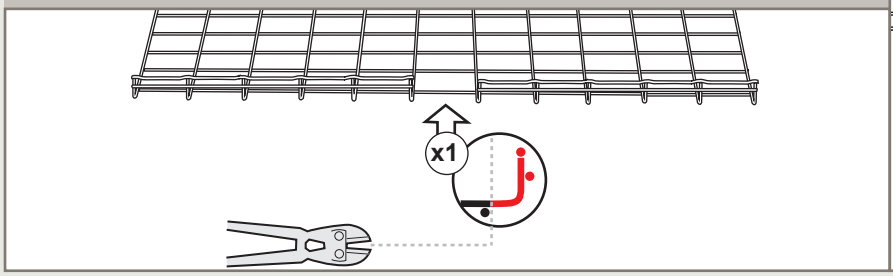
■ T or cross at right angles

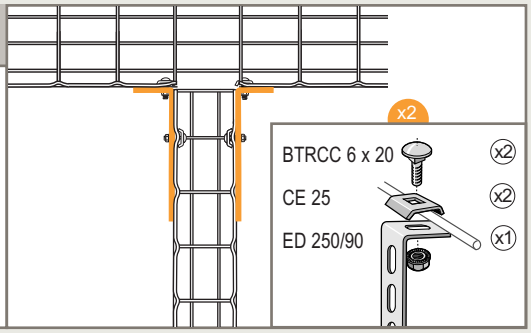
50 mm



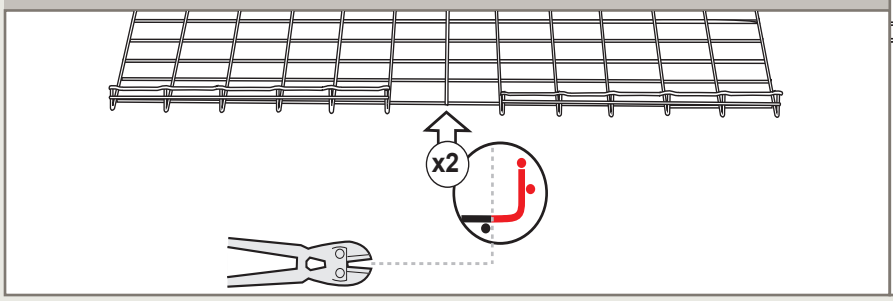


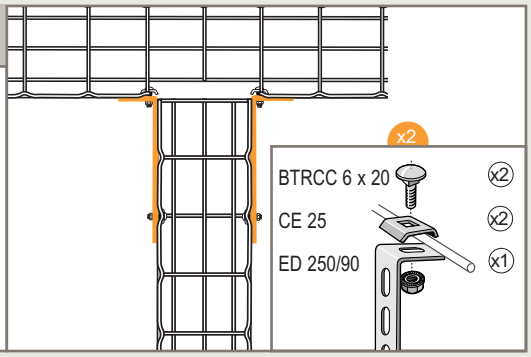
100 mm



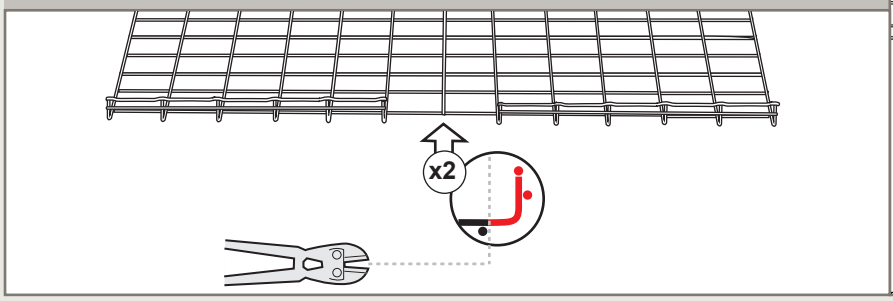


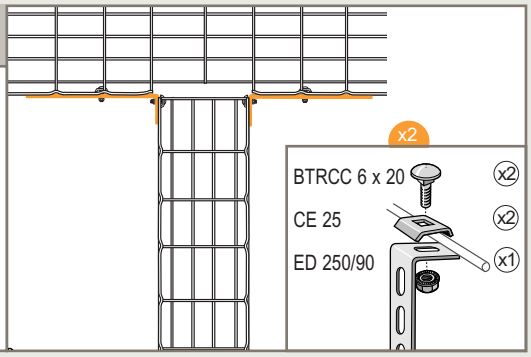
150 mm



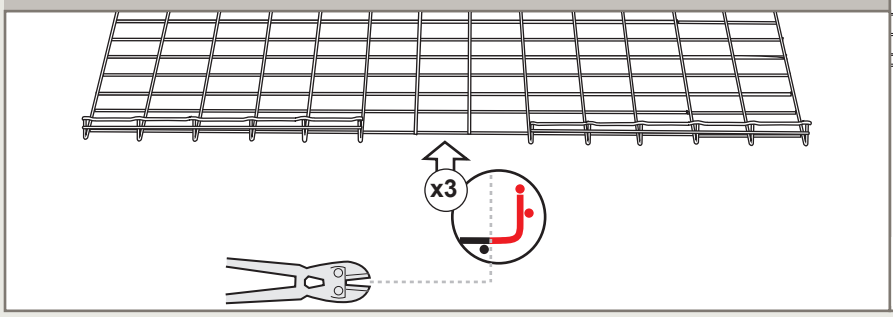


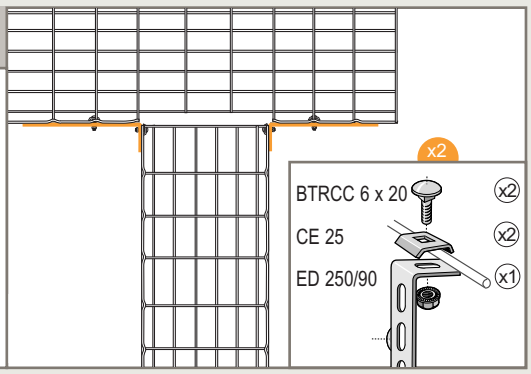
200 mm





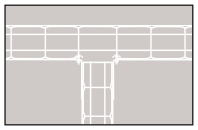
300 mm





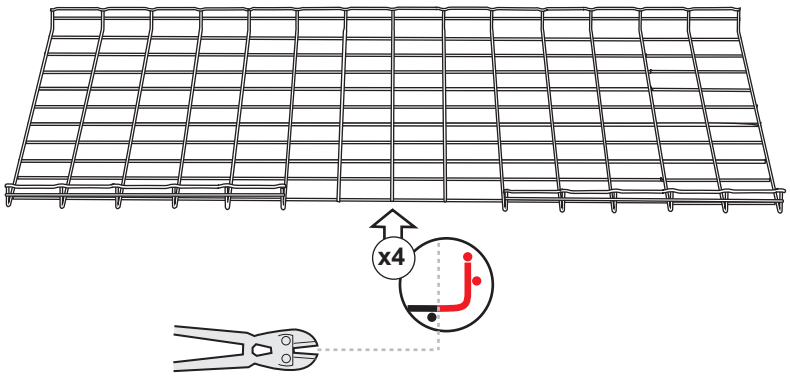
All dimensions (mm) are nominal

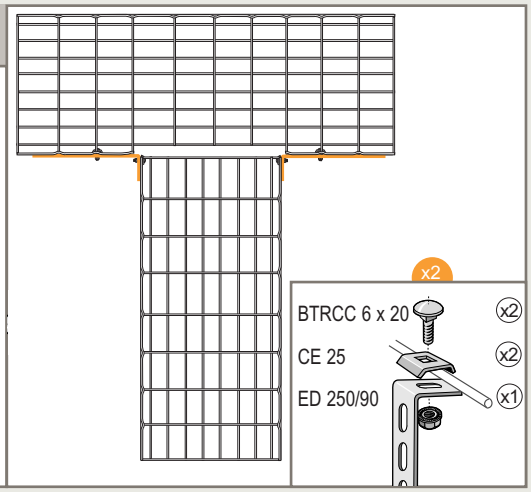
→ Fixing kits : see p. 19



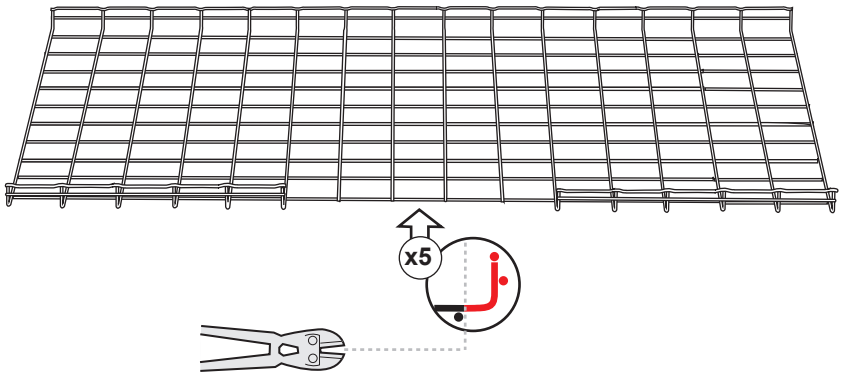
■ T or cross at right angles (continued)

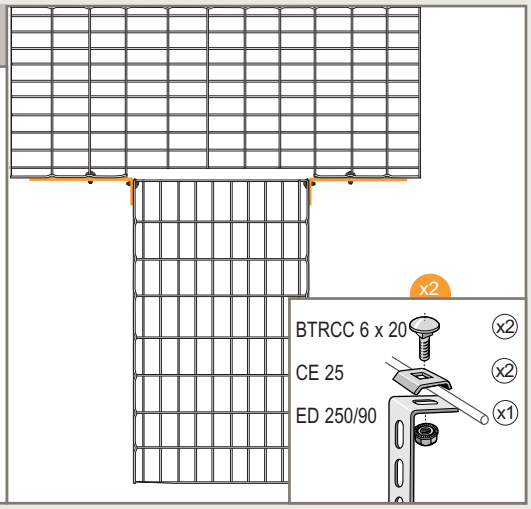
400 mm



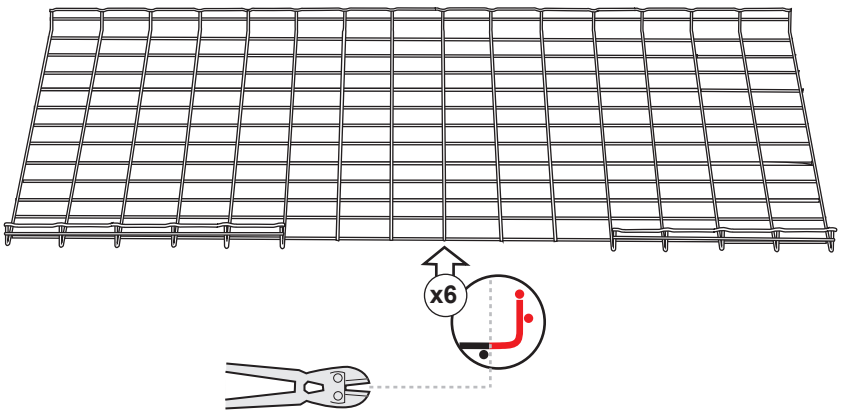


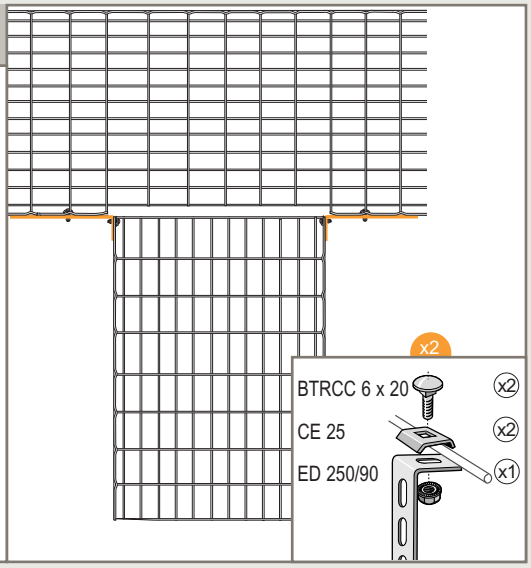
450 - 500 mm





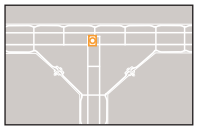
600 mm





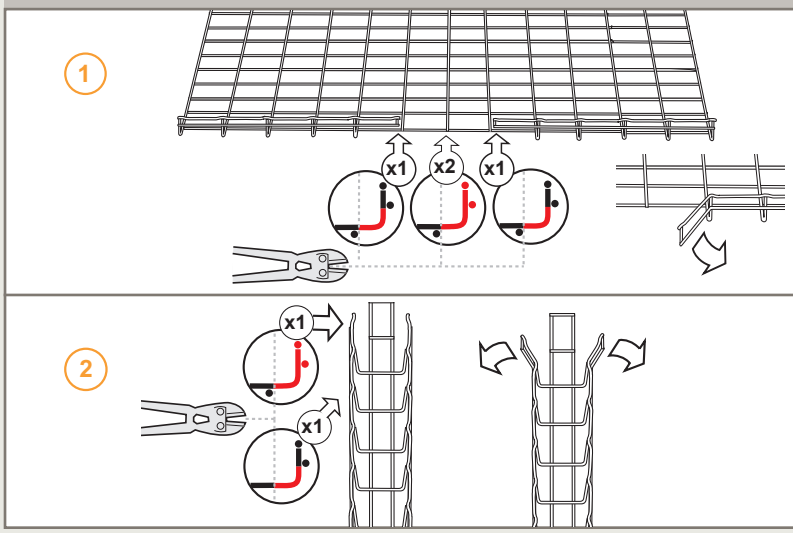
All dimensions (mm) are nominal

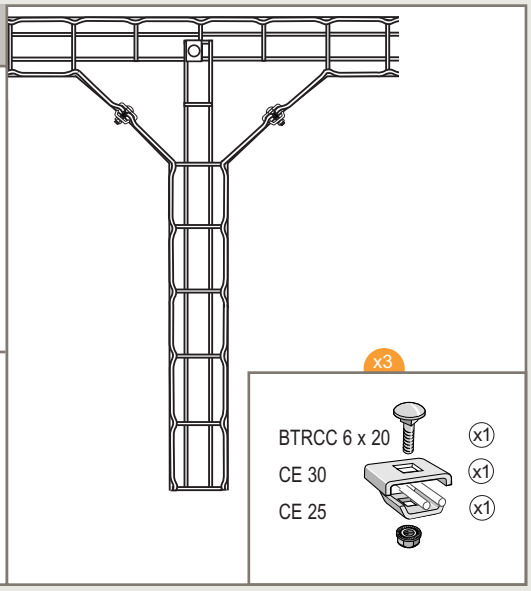
Fixing kits : see p. 19



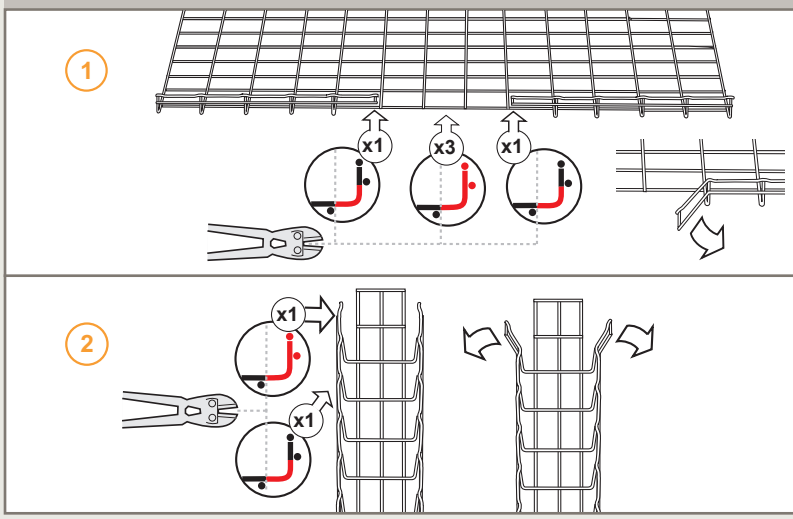
■ T or cross with gusset

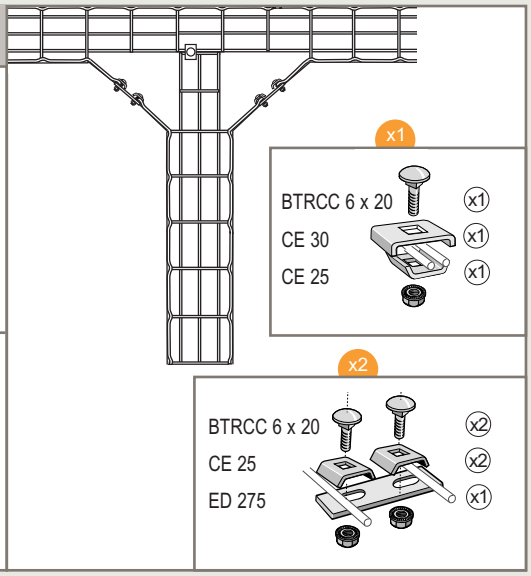
100 mm



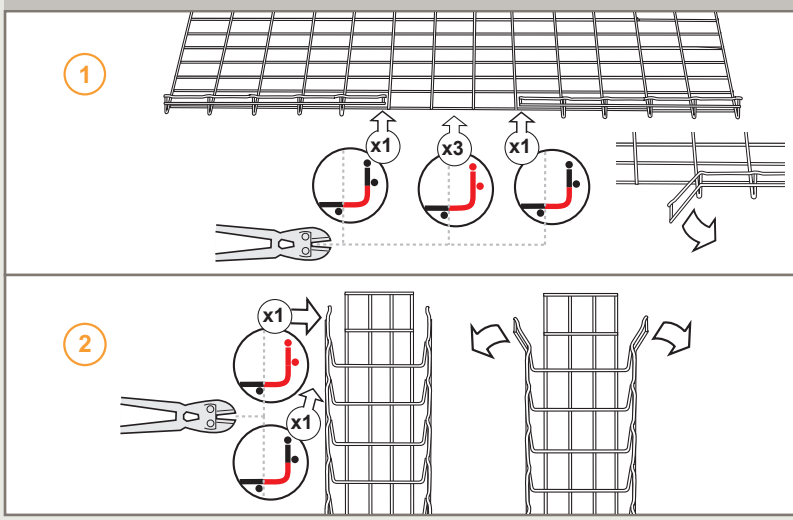


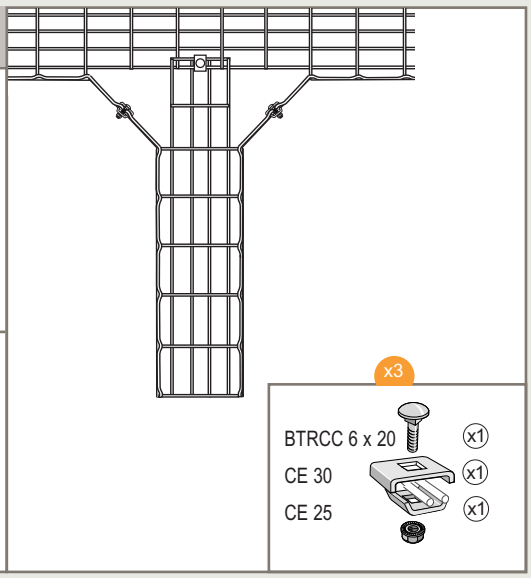
150 mm





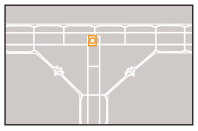
200 mm





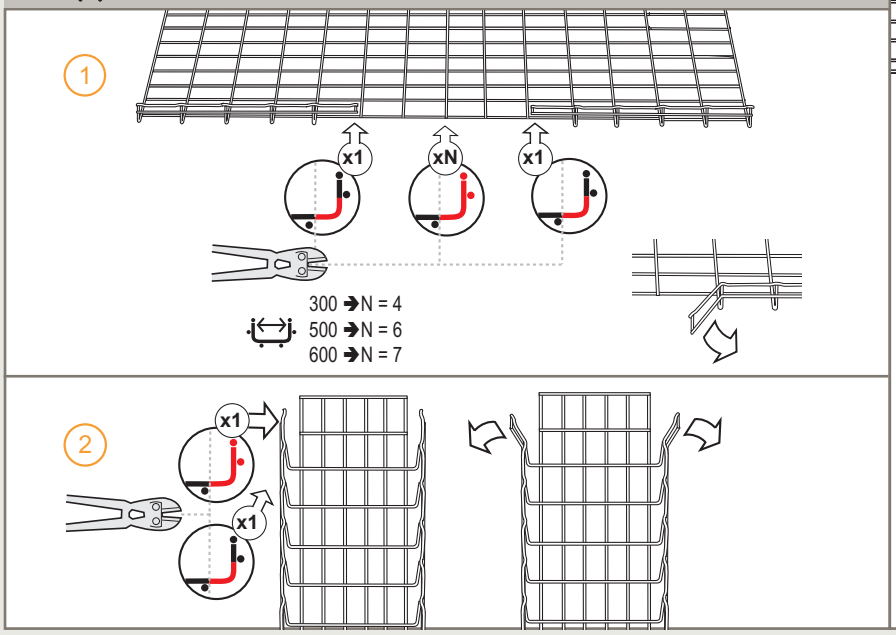
All dimensions (mm) are nominal

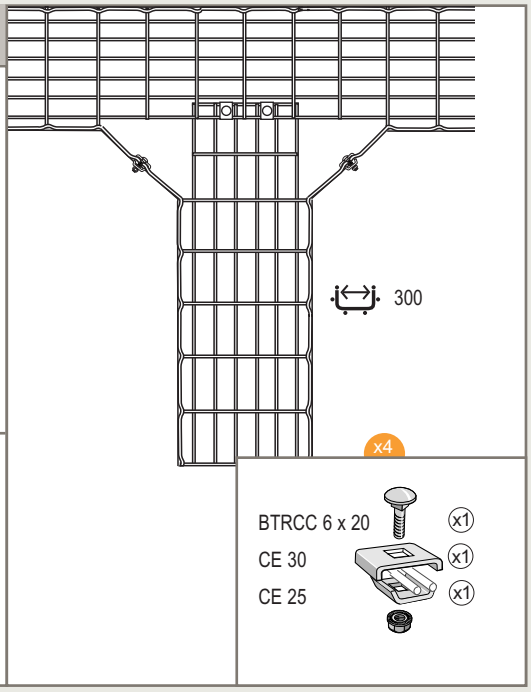
Fixing kits : see p. 19



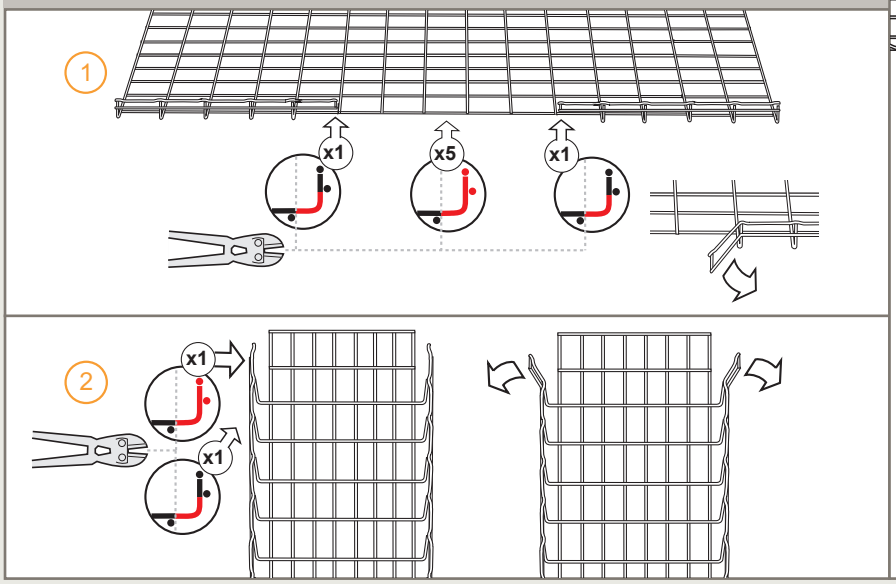
■ T or cross with gusset (continued)

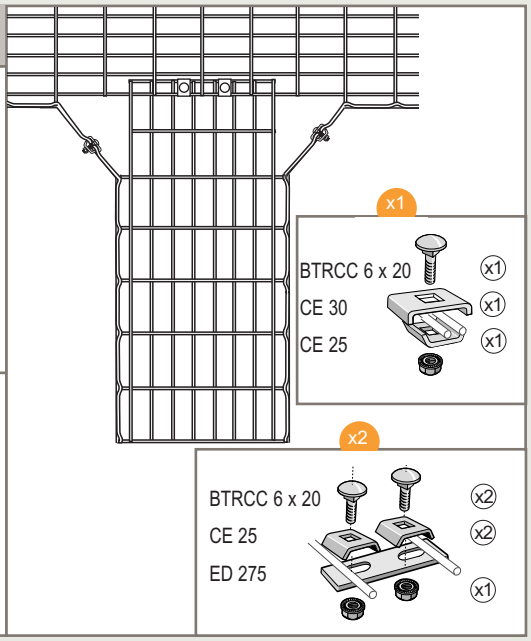
300 - 500 - 600 mm

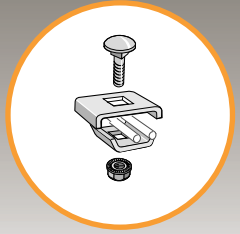




400 mm







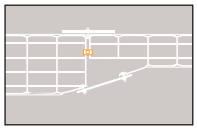
BTRCC x1
CE 30 x1
CE 25 x1

FASLOCK AUTO

FASLOCK AUTO S 100 -> 200 mm
FASLOCK AUTO XL 300 -> 600 mm

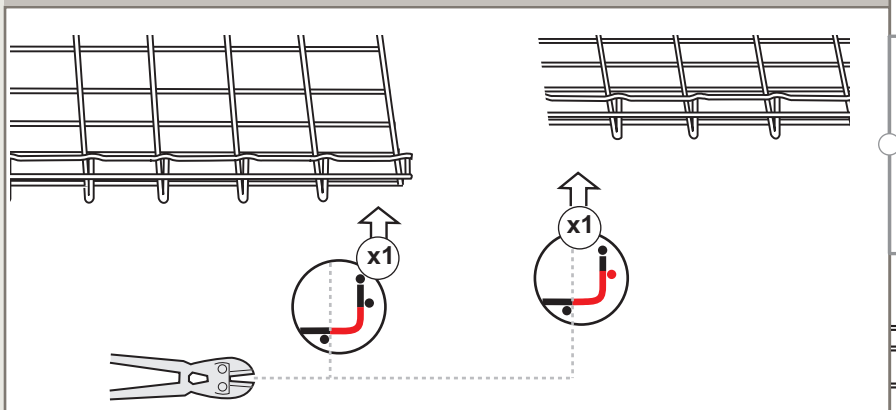
FASLOCK AUTO : see p. 18
Fixing kits : see p. 19

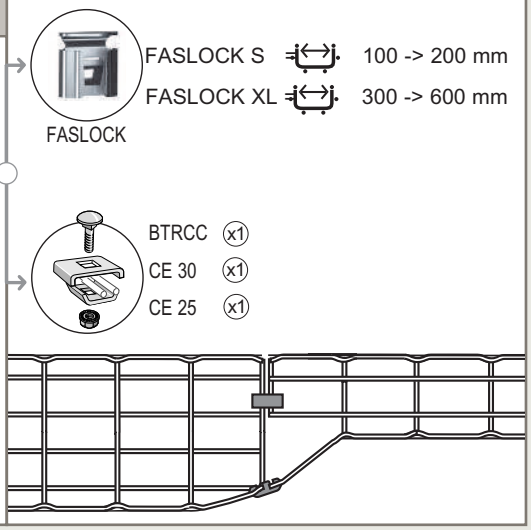
All dimensions (mm) are nominal



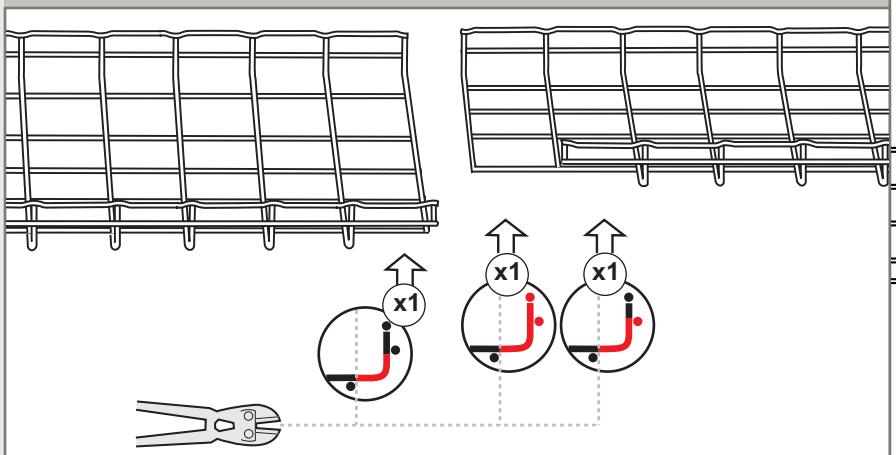
■ Reducing size

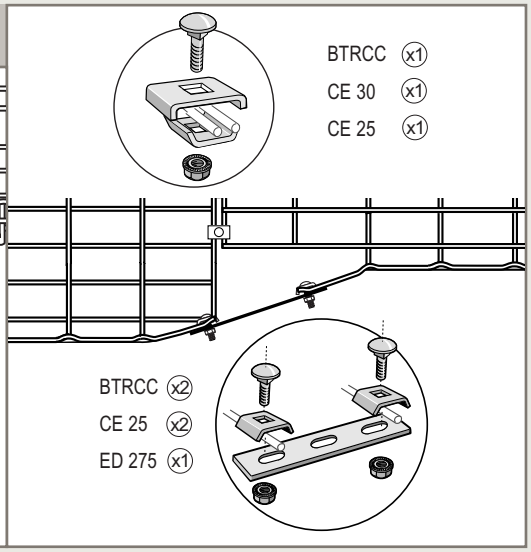
50 mm



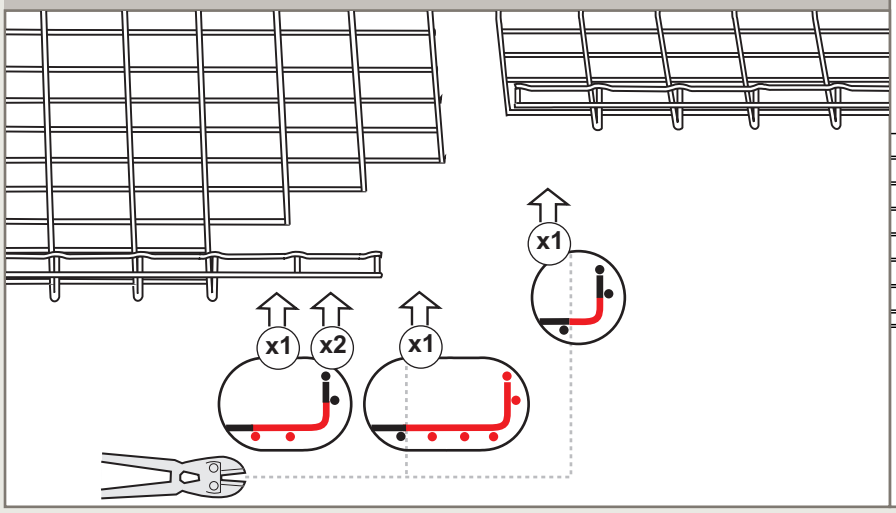


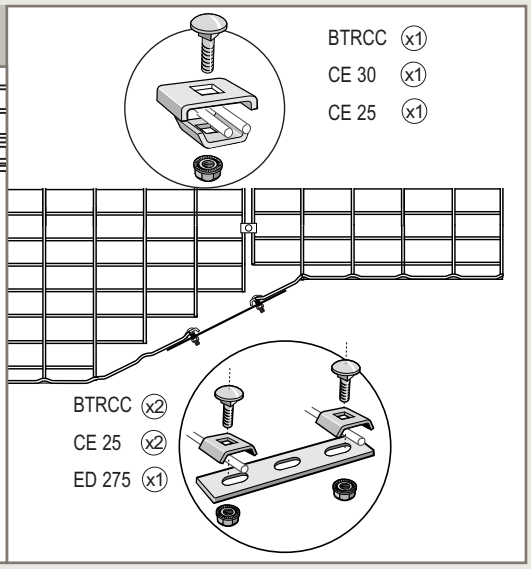
100 mm





200 mm

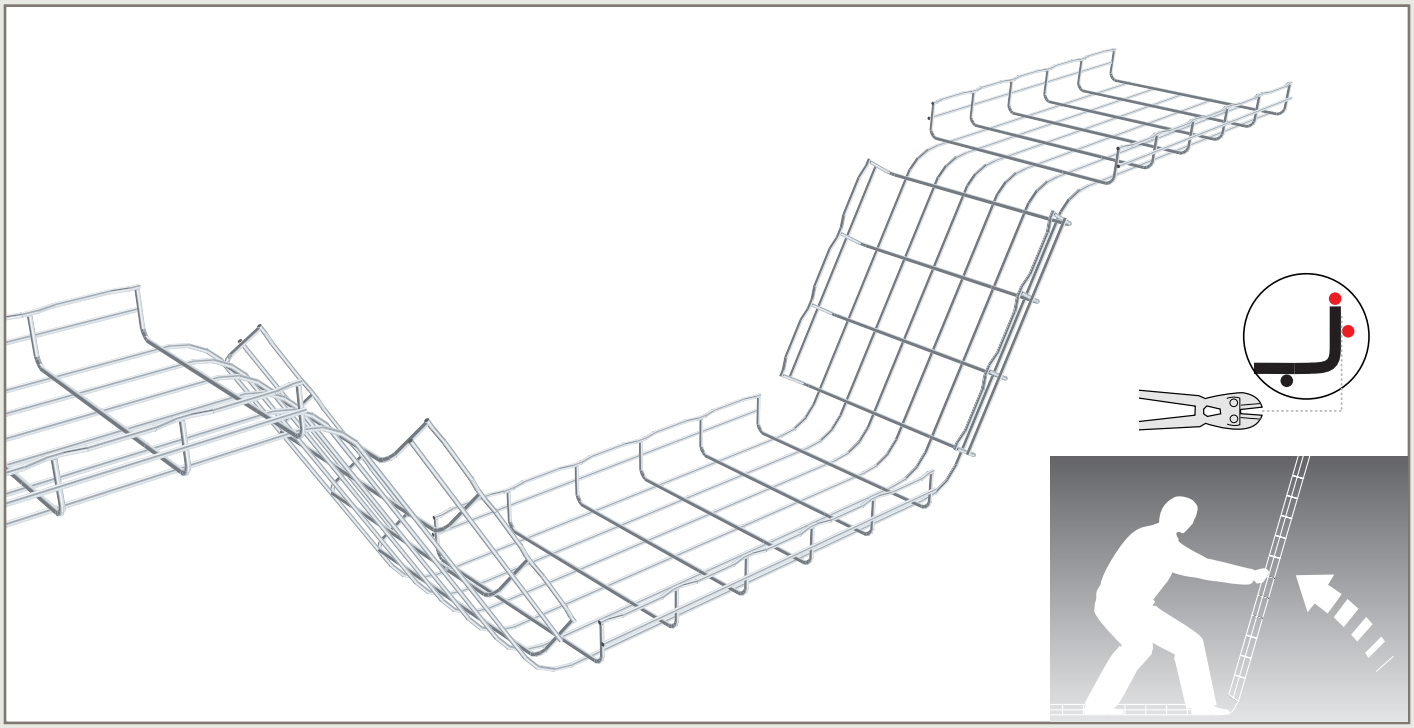


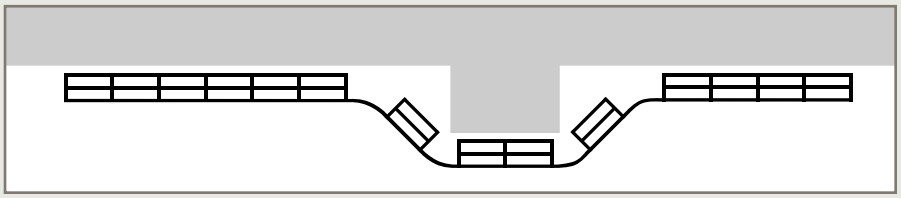


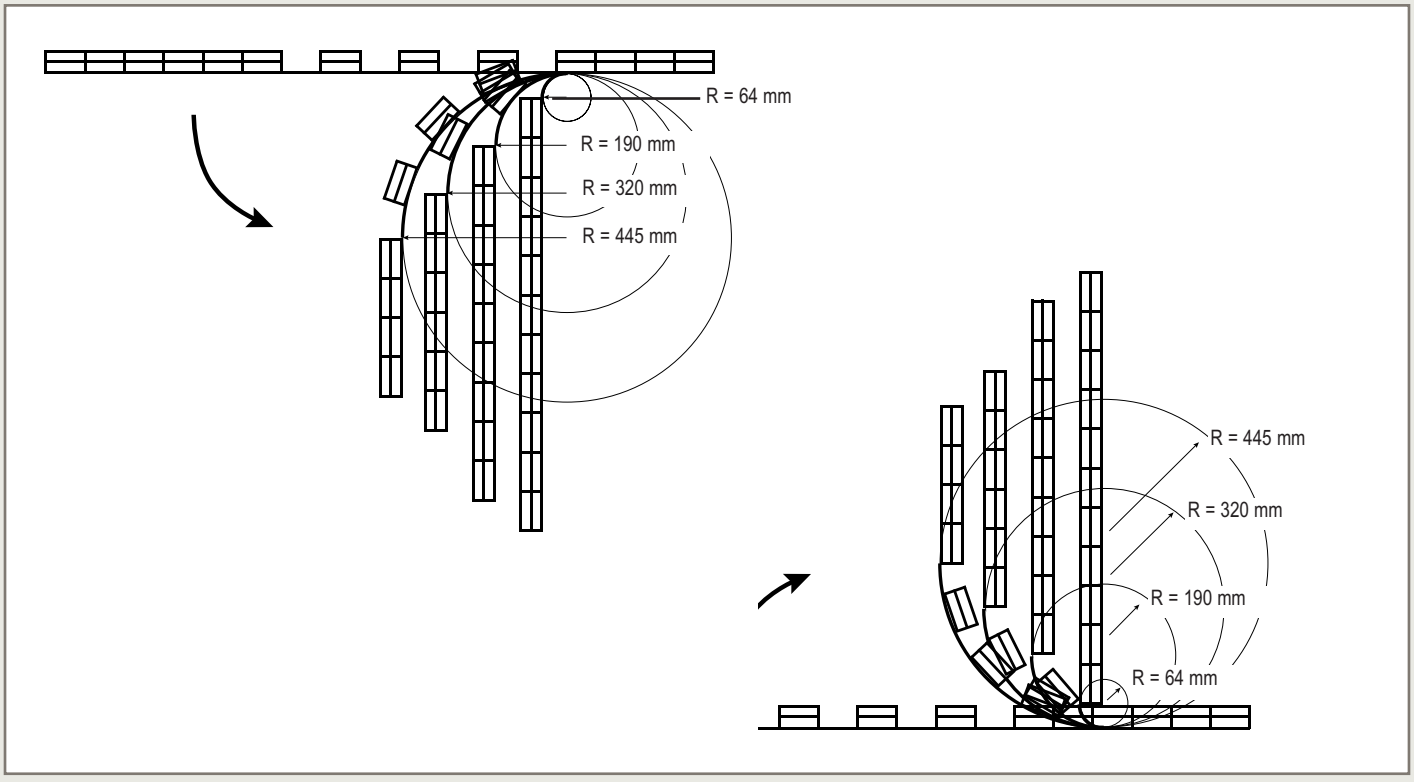
All dimensions (mm) are nominal

FASLOCK AUTO : see p. 18
Fixing kits : see p. 19

■ Changing level







All dimensions (mm) are nominal


design
not

DESIGN NOTES

Selecting the right finish

IN THIS SECTION...

Suitability of finishes

1 Recommended finishes for different environments

❍ Recommended ◆ Possible	GS	EZ	EZ+	GC	DC	304L	316L
Internal installation, normal environment	❍	❍					
External installation, urban environment	◆	◆	◆	❍	❍		
Temporary external installation during construction phase	◆	◆	❍				
Chemical industries, nitrate explosives, photography, decoration				◆	◆		❍
Marine, harsh, sulphurous (weak concentration) environments				◆	◆		❍
Acid or alkaline environments		◆		◆	◆	❍	◆
Food production environment					❍	❍	
Halogen environment						◆	❍

Typical atmospheric environments in relation to suitability of finishes

Preventing corrosion

In planning any cabling or support installation the choice of an appropriate corrosion resistant finish is always a key issue at the specification stage. The correct choice of finish has long term implications and is crucial for ensuring the longevity (and aesthetics) of the complete installation in order to meet with the client's expectations.

It is vital that the finish specified for the equipment is capable of providing lifetime protection from corrosion within the intended environment - ideally with some margin of safety.

The following pages give information on how corrosion occurs. Contact our technical team on +44 (0) 845 605 5334 for further information.

Corrosion occurs on all metals to some extent. With some, such as stainless steel, its effects are usually only slight but even then the presence of certain chemicals or physical contact with other metals may cause rapid corrosion. It is therefore important to consider every aspect of the environment surrounding any intended installation in order to choose a material or finish which will minimise the risk of damage to the support system through the effects of corrosion.

1 Chemical (atmospheric) corrosion

Few metals will suffer corrosion damage in a dry, unpolluted atmosphere at a normal ambient temperature. Unfortunately atmospheric pollutants are likely to be present to some degree in most situations where support systems will be installed, thus mild chemical corrosion is normal in almost all situations.

Any support installation which will be situated in an area where higher concentrations of chemicals exist must receive more detailed consideration in order to select a finish which provides the best combination of initial cost and expected life. More detailed information is available upon request, please contact us on +44 (0) 845 605 5334.

2 Electrochemical (galvanic) corrosion

When two dissimilar metals are in contact and become damp it is possible for corrosion to be induced in one of the metals. Such corrosion may progress rapidly and cause considerable damage so it is important to consider and, if necessary, take steps to eliminate this process occurring.

Electrochemical corrosion takes place because the two different metals each behave as electrodes and the moisture as the electrolyte in a simple battery; as with any battery the resulting flow of current will cause corrosion of the anode.
The likely effects of this reaction can be predicted using the Galvanic Series.

Partner metal → / Metal involved ↓	Stainless steel	Nickel	Copper	Brass	Tin	Steel	Aluminium	Chromium	Zinc
Stainless steel	0								
Nickel	180								
Copper	320	140	0						
Brass	400	220	80	0					
Tin	550	370	230	150	0				
Steel	750	570	430	350	200	0			
Aluminium	840	660	520	440	290	90	0		
Chromium	950	770	630	550	400	200	110	0	
Zinc	1150	970	830	750	600	400	310	200	0

Differences in potential are expressed in millivolts.
Beneath the red line, the metal involved is attacked.

3 The merits of Zinc

The Galvanic Series does show why zinc is such a useful corrosion resistant coating for mild steel.

Firstly, it forms an impervious zinc barrier around the steel, coating it with a metal whose own rate of chemical corrosion is both low and predictable in most situations.

Secondly, if the coating is damaged at any point (e.g. at a cut edge) the zinc surrounding the damaged area becomes the anode of the electrolytic cell and is sacrificially corroded away very slowly in preference to the underlying steel. This ensures the strength of the steel structure remains unaffected.

Because zinc appears near the top of the Galvanic Series it will act as a sacrificial anode in relation to most other metals; thus its relatively low cost and the ease with which it can be applied as a galvanised coating on steel means that it continues to be the most commonly specified protective finish for support systems.

Life expectancy of zinc coatings

The resistance of galvanising to atmospheric corrosion depends on a protective film which forms on the surface of the zinc. When the steel is withdrawn from the galvanising bath the zinc has a clean, bright, shiny surface. Over time the appearance will change to a dull grey patina as the surface reacts with oxygen, water and carbon dioxide in the atmosphere. A complex but tough, stable and protective layer is formed which adheres to the zinc. Contaminants in the atmosphere affect the nature of this protective film.

The most significant contaminant which will accelerate the corrosion rate of zinc is sulphur dioxide (S02) and it is the presence of S02 which largely controls the atmospheric corrosion of zinc.

The Zinc Millennium Map

The Galvanizers Association has undertaken significant research based upon the positioning of reference canisters placed throughout the UK and the Republic of Ireland to establish background corrosion rates for 10 km^2 grids which has resulted in the formation of The Zinc Millennium Map.

With the correct use of the map specific locations can be analysed for average zinc corrosion rates per year.

Further information is available at www.galvanizing.org.uk.

4 Common corrosion situations

The most common occurrences of contact between dissimilar metals within support systems are :

a. Where stainless steel components are being fixed to a carbon steel structure

b. Where galvanised or zinc plated components are being fixed onto a stainless steel support system

Description of typical atmospheric enviroments related to the estimation of corrosivity categories

Corrosivity category C. Corrosion rate for zinc (based upon one year exposures), rcorr (µm.a-1) and corrosion level	Typical enviroments (examples)	
	Indoor	Outdoor
C1 rcorr ² 0.1 Very low	Heated spaces with low relative humidity and insignificant pollution, e.g. offices, schools, museums	Dry or cold zone, atmospheric environment with very low pollution and time of wetness, e.g. certain deserts, central Arctic / Antarctica
C2 0.1 ← rcorr ² 0.7 Low	Unheated spaces with varying temperature and relative humidity. Low frequency of condensation and low pollution, e.g. storage, sport halls	Temperate zone, atmospheric environment with low pollution (SO2 ← 5 µg/m3), e.g.: rural areas, small towns. Dry or cold zone, atmospheric environment with short time of wetness, e.g. deserts, sub-arctic areas
C3 0.7 ← rcorr ² 2 Medium	Spaces with moderate frequency of condensation and moderate pollution from production process, e.g. foodprocessing plants, laundries, breweries, dairies	Temperate zone, atmospheric environment with medium pollution (SO2: 5 µg/m3 to 30 µg/m3) or some effect of chlorides, e.g. urban areas, coastal areas with low deposition of chlorides, subtropical and tropical zones with atmosphere with low pollution
C4 2 ← rcorr ² 4 High	Spaces with high frequency of condensation and high pollution from production process, e.g. industrial processing plants, swimming pools	Temperate zone, atmospheric environment with high pollution (SO2: 30 µg/m3 to 90 µg/m3) or substantial effect of chlorides, e.g. polluted urban areas, industrial areas, coastal areas without spray of salt water, exposure to strong effect of de-icing salts, subtropical and tropical zones with atmosphere with medium pollution
C5 4 ← rcorr ² 8 Very high	Spaces with very high frequency of condensation and/or with high pollution from production process, e.g. mines, caverns for industrial purposes, unventilated sheds in subtropical and tropical zones	Temperate and subtropical zones, atmospheric environment with very high pollution (SO2: 90 µg/m3 to 250 µg/m3) and/or important effect of chlorides, e.g. industrial areas, coastal areas, sheltered positions on coastline
CX 8 ← rcorr ² 25 Extreme	Spaces with almost permanent condensation or extensive periods of exposure to extreme humidity effects and/or with high pollution from production process, e.g. unventilated sheds in humid tropical zones with penetration of outdoor pollution including airborne chlorides and corrosion-stimulating particulate matter	Subtropical and tropical zones (very high time of wetness), atmospheric environment with very high pollution (SO2 higher than 250 µg/m3), including accompanying and production pollution and/or strong effect of chlorides, e.g. extreme industrial areas, coastal and offshore areas with occasional contact with salt spray

Finishes

IN THIS SECTION...

Coated and stainless steels

Coated and stainless steels

1 Coated steels

GS Pre-galvanised

EN 10346 (accessories only)

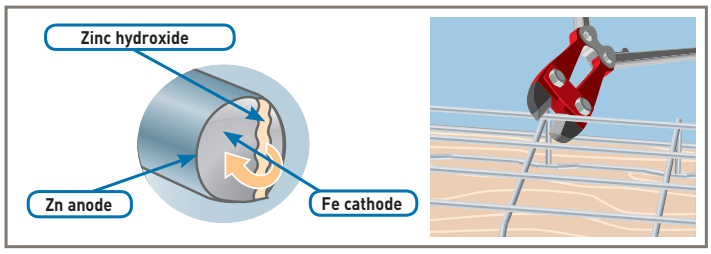
Before manufacture, a coating of zinc is deposited by continuous immersion on to the steel.

EZ Electrogalvanising after manufacture[1]

EN 12329 standard

This coating process is often referred to as bright zinc plating (BZP). Electroplating with zinc may be used when a smooth bright decorative finish is required. Parts can be coloured or colourless depending on the type of passivation process used. It is generally used for internal applications where a low degree of corrosion resistance is acceptable. Electroplating involves connecting the metal substrate to a negative terminal of a direct current source and another piece of metal to a positive pole, and immersing both metals in a solution containing ions of the metal to be deposited, in this case zinc.

Ongoing protection



When steel wire cable tray is cut, the level of protection is not affected. The jaws of the bolt cropper drag a layer of zinc across the cut end which forms a protective layer.

GC Hot dip galvanised after manufacture

BS EN ISO 1461 standard

Hot dip galvanising after manufacture is an excellent, economical protective finish used on support systems in many industrial and commercial applications.

Background

The galvanised coating is applied as a final manufacturing process by immersing a steel component (after various pre-treatments) in a large bath of molten zinc; the zinc forms an alloy with the steel substrate and protects the steel from corrosion in two ways.

Firstly, the zinc coating surrounds the base steel with a total, tough physical barrier preventing corrosion of the steel by the surrounding atmosphere. Secondly, if steel does become exposed, e.g. at a cut edge, the zinc coating acts as a sacrificial anode and will be gradually corroded in preference to the underlying steel. Corrosion products from the zinc will also be deposited onto the steel, effectively re-sealing the surface and maintaining the integrity of the barrier.

NOTE : Any white marks due to the formation of zinc hydroxycarbonate which might appear on the surface have no influence on the corrosion resistance. This is in fact the very principle on which galvanic protection is based.

DC Geomet®

Geomet is a treatment based on zinc and aluminium. As it does not contain any chromium VI (hexavalent), it complies with the RoHS Directive.

Offering protection equivalent to GC, it is used for small accessories and fixings which are difficult to hot dip galvanise.

EZ+ EZ+

EZ+ is an additional organic finish applied over standard electrozinc plated steel wire cable trays, offering a durable surface treatment for temporary external installations during the construction phase.

Cablofil EZ+ brings with it a Class 6 alternative to a hot dip galvanised finish (GC) according to IEC 61537. Salt spray tests carried out demonstrate that EZ+ exceeds the performance of a standard hot dip galvanised finish (no red rust after more than 550 hours exposure to salt spray test, according to ISO 61537). The same 'Class 6' classification is achieved after products are subjected to a simulated 2 year ageing process under UV conditions.

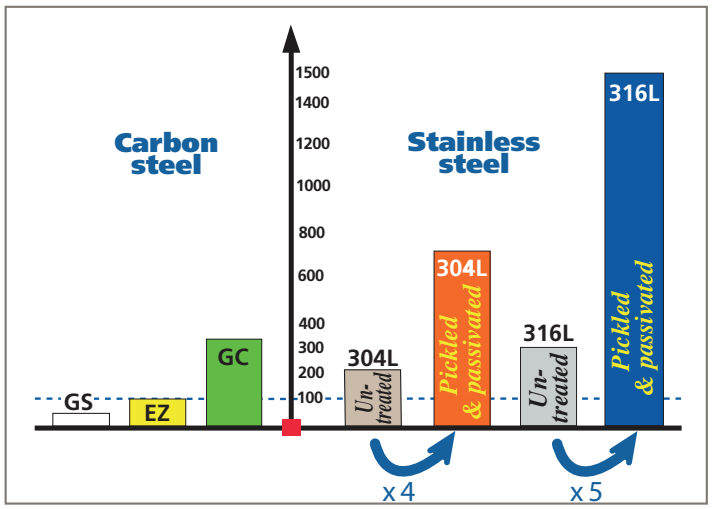
Z+ Z+

Alloy compound of 94% zinc, 3% aluminium and 3% magnesium, coated steel with high elastic yield. Compatible with hot dip galvanised products and has Class 8 properties according to IEC 61537. Products self-regenerate when cut. Z+ products are compatible with hot dip galvanised / EZ+.

Powder coated

Resin-based paint is applied to the steel wire cable tray using an electrostatic powder and then cured in an oven. The entire range of RAL colours can be obtained. Mainly used for aesthetic reasons and to help identify cable routes, it offers very good corrosion resistance.

1: BEAMA 'BEST PRACTICE GUIDE TO CABLE LADDER AND CABLE TRAY INSTALLATIONS'



Figures for salt spray tests, baseline 100 hours : EZ

2 Stainless steels

For all practical purposes most stainless steel services supports can be regarded as maintenance free and suffering no corrosion. Inevitably there is a relatively high price to pay for these attractive properties but, in aggressive environments or where the cost or inconvenience of gaining subsequent maintenance access is prohibitive, this initial cost premium may well be justified.

Background

Stainless steel contains a high proportion of chromium (usually at least 17%) and the steel's remarkable immunity to corrosive attack is conferred by the chromium-rich oxide film which occurs naturally on its surface. This invisible film is not only inert and tightly bonded to the surface, it also re-forms quickly if the surface is damaged in any way.

The fire resistance of stainless steel is particularly noteworthy; tests have demonstrated that stainless steel cable supports can be expected to maintain their integrity for considerable periods even when exposed to direct flame temperatures exceeding 1,000°C. This may be an important consideration where the electrical circuits being supported provide for emergency power or control systems.

Stainless steel is also used where hygiene is a major consideration. Its advantages in such applications are again its excellent resistance to the various chemicals and washes which are frequently used for cleaning purposes and the smoothness of surface (depending on the finish specified) which minimises the soiling or contamination that can take place.

304L Stainless steel 304 L

EN 10088-2 standard AISI 304L – X2CrNi18.09 – 1.4307

Offers good corrosion resistance against soft water, normal environments and food products (except mustard and white wine).

316L Stainless steel 316 L

EN 10088-2 standard AISI 316L – X2CrNiMo17.12.2 – 1.4404

Since it contains molybdenum, stainless steel 316L is able to resist intergranular corrosion. This makes it particularly suitable for the chemical and food industries, the nitrate explosives industry and environments containing halogen (fluorine and chlorine).

Pickling and passivation

A stainless steel surface will have excellent corrosion resistance due to the chromium oxide layer on the surface of the product. With some stainless steels however, the surface areas can become subject to corrosion due to the depletion of chromium during welding, or the introduction of iron during a machining process (not applicable to most cable management products).

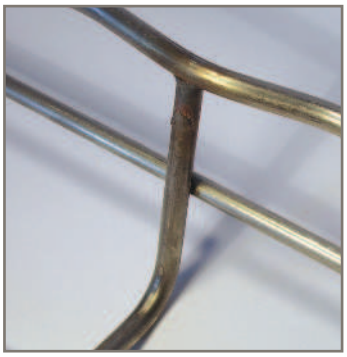
Where a uniform appearance is important after carrying out welding processes, it is often specified that all surfaces should be pickled and passivated to remove the smoke stain from the welding process. Also where extreme corrosion resistance is called for, this process may help to remove crevice corrosion from around the welding area.

Pickling

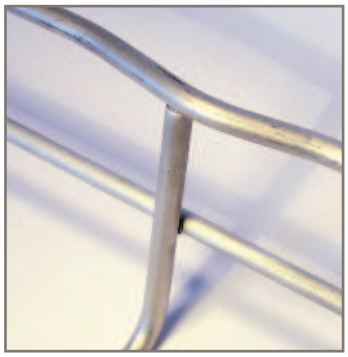
The pickling process involves the article being immersed in a blend of acids which dissolve iron and iron oxides which adhere to, or are embedded in, the surface of the stainless steel. These acids cause a removal of the surface layer of between 1 and 3 microns. The article is finally rinsed with water to complete this stage of the process.

Passivation

Passivation of the stainless steel will occur naturally after pickling when the oxygen in the air will react with the surface of the steel to form a passive chromium oxide layer. However it is usual for this passivation process to be speeded up by immersing the article in a nitric acid or other passivating agent.



Untreated



Pickled and passivated

Untreated

Pickled and passivated

Pickling and passivation gives Cablofil stainless steel wire cable tray a very light grey colour and a distinctly matt finish.

All Cablofil stainless steel products are pickled and passivated.

Installation of services

IN THIS SECTION...

Steel wire cable tray systems

Steel wire cable tray systems

Cable tray systems are intended for the support of a combination of cables, electrical equipment and/or communication system installations. Where necessary cable tray systems may be used for the segregation of cables.

Note : these systems are designed for use as supports for cables and not as enclosures giving full mechanical protection.

These systems are covered by BS EN 61537.

1 Design factors to consider

Consideration should be given to the following factors when undertaking the design of a support system although some of these (e.g. snow/wind loads) may not be relevant to every installation.

(i) Distributed loads (eg. cables, pipes)
(ii) Point loads
(iii) Snow, wind and external forces
(iv) Safety factor
(v) Deflection
(vi) Spacing of supports
(vii) Location of couplers
(viii) Testing of cables within a support system
(ix) Electrical continuity
(x) Earth protection
(xi) Electromagnetic compatibility (EMC)

The following sections provide a wealth of useful information on each of these design aspects.

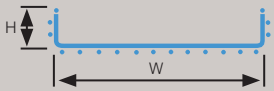
(i) Distributed loads

Before commencing the design process for a new installation it is usual to consider whether future changes in the pattern of demand for building services will impose increased loading requirements on the support system. If so, it is good design practice to allow both the physical space and sufficient load carrying capacity for the future addition of 25% more cables or other loading medium.

Estimation of cable loads

If full details of the cabling layout are available then the likely cable load can be calculated using either manufacturer's published information or the tables of cable weights and diameters which are given opposite. However, it is often necessary to select a tray design in the absence of accurate information on the likely cable load. To assist this selection process a useful approach can be to choose a likely size of tray and then to estimate the maximum cable weight which is capable of being contained within it. This estimate may be arrived at using the following guide :

Max. cabling capacity (kg/m) = cable laying area (m^2) x 2 800



Cable laying area

Cable laying area (m^2) = W (m) x H (m)
Applicable to cable tray

Note : this formula only provides an estimate of the maximum load which can be physically contained within a tray. The ability of that tray to support such a load depends upon the spacing of its supports.

Cable weights and diameters

Tables 1 and 2 below give typical weights and diameters (D) for PVC sheathed, steel wire armoured cables with stranded copper conductors.

Tables 3 and 4 give typical weights and diameters for PVC sheathed, unarmoured stranded copper power cables. Cables with XLPE (cross linked polyethylene) insulation are usually slightly lighter so the information given may also be used for these cables too.

Values show approx. weight and diameter of typical cables.
D = Overall cable diameter.

Table 1 : PVC armoured power/control cables to BS 6346

Nom. area of conductor (mm^2)	2 core		3 core		4 core	
	kg/m	D in mm	kg/m	D in mm	kg/m	D in mm
1·5	0·3	12·3	0·3	12·8	0·4	13·5
2·5	0·4	13·6	0·4	14·1	0·5	15·0
4·0	0·5	15·1	0·5	15·8	0·7	17·8
6·0	0·6	16·5	0·7	18·0	0·9	19·2
10·0	0·9	20·1	1·0	21·2	1·2	22·8
16·0	1·0	21·9	1·2	23·1	1·7	26·3

Table 2 : PVC insulated and sheathed circular surface wiring

Nom. area of conductor (mm^2)	2 core		3 core		4 core	
	kg/m	D in mm	kg/m	D in mm	kg/m	D in mm
1·5	0·1	7·7	0·1	8·2	0·1	9·1
2·5	0·1	9·2	0·2	9·7	0·2	10·6
4·0	0·2	10·2	0·3	11·0	0·3	12·6
6·0	0·2	12·0	0·3	12·8	0·4	14·2
10·0	0·4	14·6	0·5	15·6	0·7	17·4
16·0	0·6	16·9	0·7	18·0	0·9	20·0

Table 3 : PVC unarmoured stranded copper power cables to BS 6346

Nom. area of conductor (mm²)	2 core		3 core		4 core	
	kg/m	D in mm	kg/m	D in mm	kg/m	D in mm
25	0·7	18·4	1·0	20·4	1·3	22·7
35	0·9	20·0	1·3	22·4	1·7	25·0
50	1·2	22·2	1·7	25·4	2·3	28·6
70	1·7	24·6	2·4	28·4	3·1	32·2
95	2·3	28·2	3·3	33·1	4·3	37·2
120	2·8	30·9	4·0	36·0	5·3	40·6
150	3·5	34·1	4·9	39·7	6·5	45·0
185	4·2	37·8	6·1	44·1	8·0	49·8
240	5·5	43·2	8·0	49·6	10·6	56·2
300	7·0	47·2	9·7	55·0	13·2	62·5
400	8·5	53·2	12·6	61·4	16·7	69·6

Table 4 : PVC armoured stranded copper power cables to BS 6346

Nom. area of conductor (mm²)	2 core		3 core		4 core	
	kg/m	D in mm	kg/m	D in mm	kg/m	D in mm
25	1·3	23·0	1·7	25·1	2·1	27·5
35	1·6	24·8	2·1	27·3	2·6	30·0
50	2·0	27·2	2·6	30·5	3·5	34·8
70	2·5	29·5	3·6	34·8	4·5	38·4
95	3·5	34·4	4·6	39·1	5·9	43·3
120	4·1	37·1	5·5	41·9	7·5	48·1
150	4·9	40·2	7·0	47·2	8·8	52·3
185	6·3	45·1	8·4	51·4	10·7	57·5
240	7·8	50·5	10·7	57·3	13·5	63·9
300	9·3	55·4	12·7	62·6	16·4	69·9
400	11·3	60·8	15·7	68·8	21·3	78·8

(ii) Point loads

Point loads may consist of permanent equipment, such as lighting luminaires, junction boxes or other switchgear, or temporary loads such as commissioning equipment or installation personnel, however, consider 'safety during the installation phase'.

Analysis of uniformly distributed loads (UDL), such as cables or pipes is relatively simple but analysing the effect of a point load is quite complex; fortunately a simple alternative approach is available.

Firstly, one makes the reasonable assumption that the point load will be situated in the worst position at mid-span. The force this point load imposes can then be taken as equivalent to that imposed by a load of twice its value uniformly distributed along the span. Thus the point load can be converted to the equivalent uniformly distributed load which is then added to other UDL's to produce one total uniform load.

Example:

Point load = 30 kg

Support spacing = 3 m

UDL = 100 kg/m

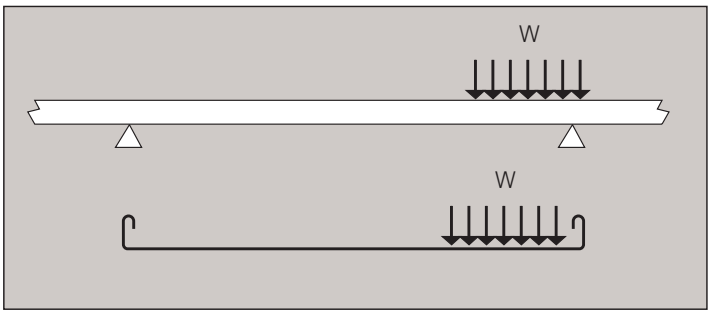
UDL equivalent to 30 kg point load =

2 x Point Load = 2 x 30 kg = 60 kg = 20 kg/m

Total UDL = 100 kg/m + 20 kg/m = 120 kg/m

The suitability of a tray to carry this total load can then be considered using the loading graph information (see p. 125).

Although this treatment does assume the point load will be in the 'worst case' position, the installer should, given discretion, always position any point load as close as possible both to a support and to either side flange, minimising the stress on the installation, as per the following illustration.



(iii) Snow, wind and external forces

The loading graphs show the maximum safe working steady load for each type of support system. If the system is outdoors and must also sustain snow, ice, wind or other variable forces these must also be taken into account at the design stage.

Appropriate design data for UK weather conditions is given in British Standard BS EN 1991.

(iv) Safety factor

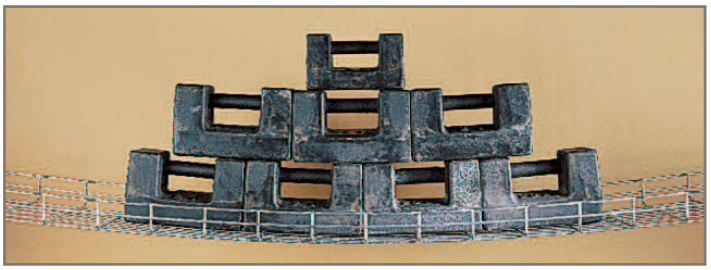
To arrive at a safe working load (SWL) for each type of equipment Legrand test their products to find the ultimate failure load. The SWL is obtained by dividing the load before failure by a factor of 1·7 minimum.

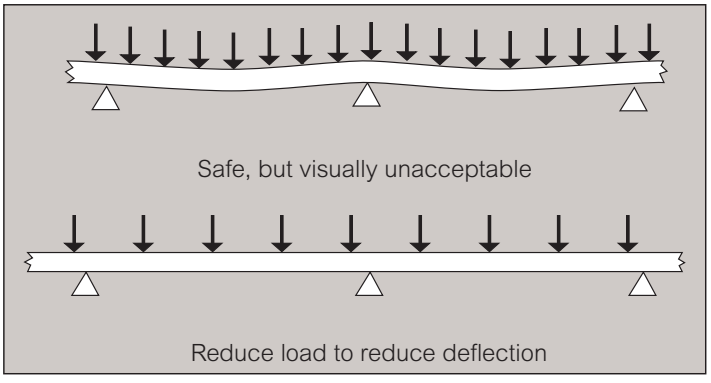
This safety factor may need to be increased by the designer depending upon the circumstances. For example, if the support system is expected to be subject to aggressive abuse a safety factor as high as three or more may be used. Such treatment is, however, the exception and care should be taken not to over-design the system by using an unnecessarily high safety factor.

(v) Deflection

The deflection of a cable tray under load is not directly related to its strength but it is obviously of aesthetic importance. For this reason it may be necessary to estimate the likely deflection whilst designing an installation, especially if it will be in a highly visible location. Experience has shown that in order to maintain a degree of deflection which is subjectively acceptable to the eye, the load on the cable tray will often be restricted to well below its safe maximum.

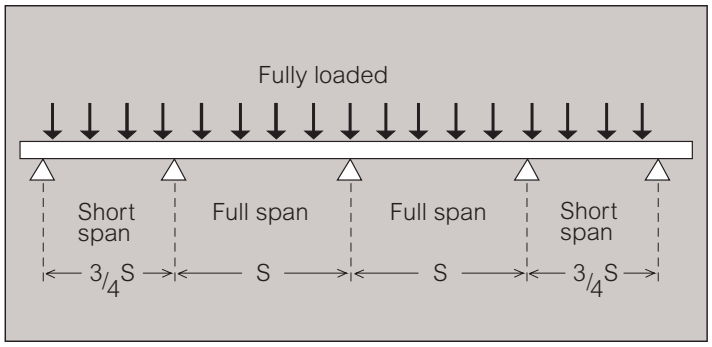
In the event of critical overload, a steel wire cable tray (wire mesh) structure becomes like a hammock.





(vi) Spacing of supports

Services support installations are usually considered as multi-span arrangements but it is important to recognise that the loading capability of the system is not uniform from end-to-end. The strength of the two end spans in any run is much lower than that of intermediate spans, even when the ends are rigidly fixed. In many situations the end spans will be more lightly loaded anyway; if however they are not and the installation will be fully loaded from end-to-end then it is recommended that the support spacing of both end spans should be reduced to no more than three quarters that of intermediate spans. However it is not a mandatory requirement, but is both useful and advisable.



Sometimes the necessary support spacing may be dictated by the nature of the building fabric. If however the designer has discretion over the spacing of supports the loading graphs can be used to maximise this distance. This will reduce the number of support components and fixings that will be required, thus reducing the overall cost of the installed system.

Supports for cable tray (P2000)

Some of the Cablofil steel wire cable tray loading graphs are denoted as P2000. This means setting supports at 2 metre apart instead of 1.5 metres, thus enabling the installer to reduce,
a) the number of supports used and
b) the overall installation time.

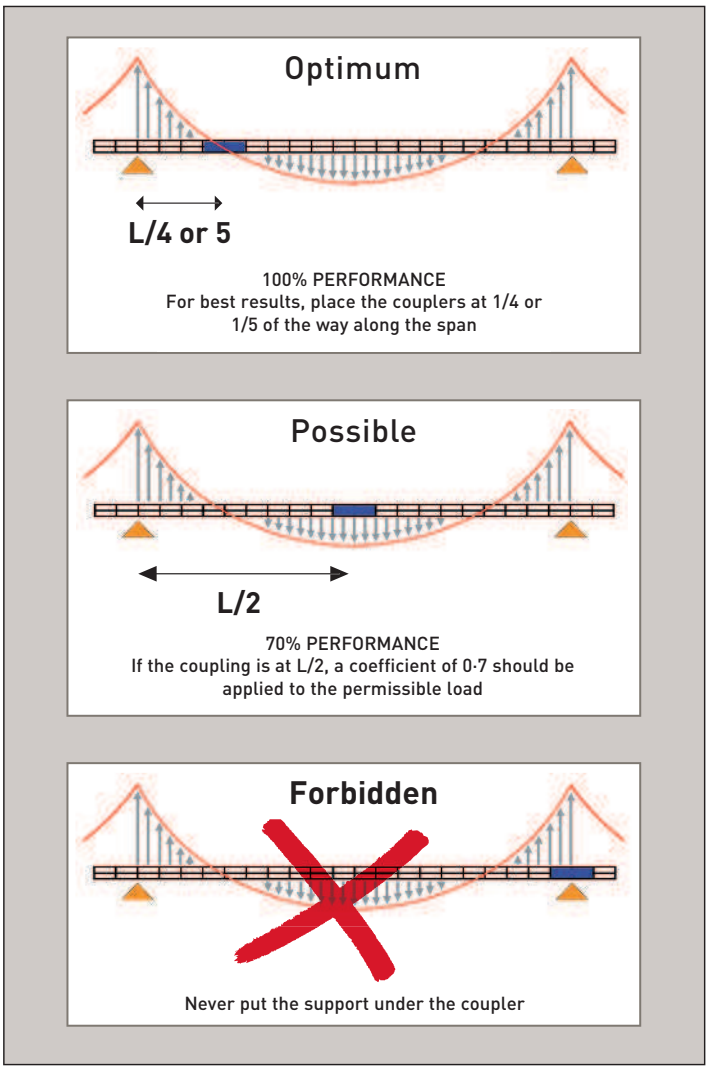
Example:

Span 1500 : 100 m / 1.5 = 67 supports

Span 2000 : 100 m / 2 = 50 supports

Support of fittings

Cable tray fittings must always be provided with local support. The illustrations opposite give recommended support positions.



(vii) Location of couplers

In practice it is often impossible to predetermine where the couplers will be located within a straight run of cable tray. However it is well worth making some effort to roughly plan their position during the early stages of installation.

The worst positions for the couplers is directly underneath a support.

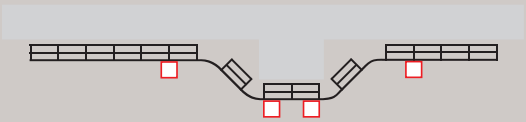
The best position for joints in a continuous installation is one quarter / one fifth of the span distance on either side of each point of support.

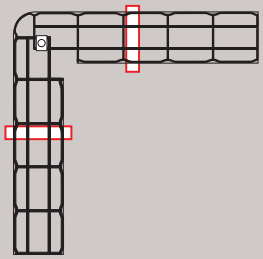
Recommended support locations – steel wire cable tray

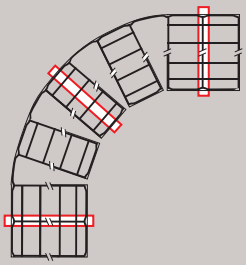
Positioning of the supports

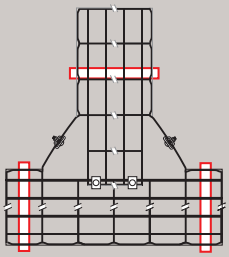
Changes of level and direction – put supports in place before there is any deflection of the cable tray route.

It is recommended to place supports at the start and end of 90° bends. A support must be positioned in the middle of large-radius bends.









(viii) Testing of cables within a support system

Short circuits

When an electrical short circuit occurs under fault conditions the current that flows can, in some instances, reach tens of thousands of amps and can last from a few milliseconds to several seconds depending on the electrical installation requirements. Such short circuit currents produce high magnetic fields which can interact to produce large mechanical forces. These forces can cause significant displacement of the cables and therefore some form of restraint must be provided to prevent damage to the cables.

For large diameter cables the most common form of restraint is by the use of cable cleats which hold the cables to the steel wire cable tray. Some force may therefore be transferred to the steel wire cable tray via the cable cleat, and could be sufficient to cause damage to the steel wire cable tray.

The calculation of the forces is complex and the effect on a steel wire cable tray system can only be fully determined by testing.

The main causes of short circuits are as follows :

- Damage to insulating material as a result of wear and tear or mechanical impact
- Broken conductors
- Conducting elements falling onto or otherwise coming into contact with the circuit

Short circuit tests

Tests were performed at a recognised independent laboratory (DAMSTRA) and in accordance to standard EN 50368 (2003) - Cable cleats for electrical installations, in order to validate Cablofil steel wire cable tray's mechanical resistance to the stress generated by a short circuit.

An initial short circuit is generated during the tests, creating mutual electromagnetic repulsion between the power cables.

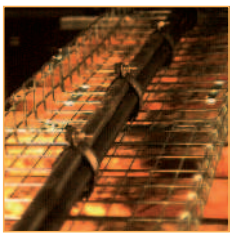
The cable tray is then subjected to substantial mechanical stress for a very short time (approx. one second).The process is repeated in order to demonstrate that Cablofil steel wire cable tray is structurally intact and able to cope with another short circuit.
As a final measure, additional tests are performed in a damp environment to check whether the cables are fully intact.

The various tests are run with 3 successive levels of short circuit current :

- 70 kA, equivalent to a repulsive force of 1 300 daN
- 100 kA, equivalent to a repulsive force of 2 700 daN
- 130 kA, equivalent to a repulsive force of 4 500 daN

Material used : 3 m length of CF105/450, coupled 1/5 of the way along the span, 5 fast couplers and a support span of 1·5 metres.

System configuration : 3 single conductor power cables, 38 mm in diameter, are attached every 600 mm using cleats.



Before test

During test

After test

Intensity	Class	
	Class 1	Class 2
70 kA	✔	✔
100 kA	✔	✔
130 kA	✔	✔

Conclusion

The tests reveal that the steel wire cable tray shows no permanent deformation - its mesh structure is able to absorb the physical stress generated by a significant short circuit current.

The cables remain intact in their original positions and network availability is maintained.

Reliability and durability

The two major considerations for the network infrastructures are the reliability and durability of the installation. In order to measure the positive contribution made by Cablofil steel wire cable tray, even when overloaded with cables, a series of independent tests were carried out.

• Independent tests

The aim was to develop a detailed understanding of the short-term or long-term benefits of using Cablofil steel wire cable tray, as opposed to conventional flat-bottomed supports, for Cat. 5e and Cat. 6 cables. Cablofil steel wire cable tray lengths were tested by Intertek Testing Services, a division of ETL, the world's leading provider of testing, inspection and certification services.

• Measurements

For the two tests described below, parameters relating to cable characteristics (NEXT, FEXT, Attenuation Return Loss, etc.) are measured in different configurations. The main parameter selected for comparison purposes is Return Loss. The aim is to define a cable's impedance regularity. Each irregularity causes the signal to return to its source.

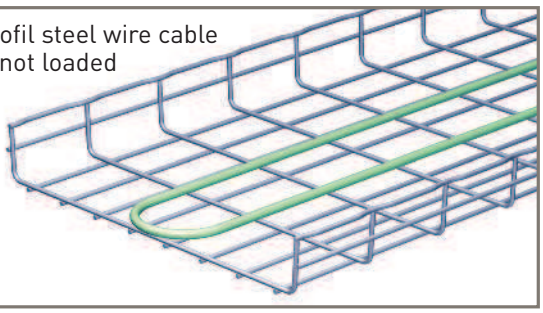
• Test 1 : reliability under load

90 metres of Cat. 5e and Cat. 6 cables were tested with no load, before being subjected to mechanical stress equivalent to the weight of 40 cables stacked together. Measuring and comparing the Return Loss for each configuration determines the effect of the support.

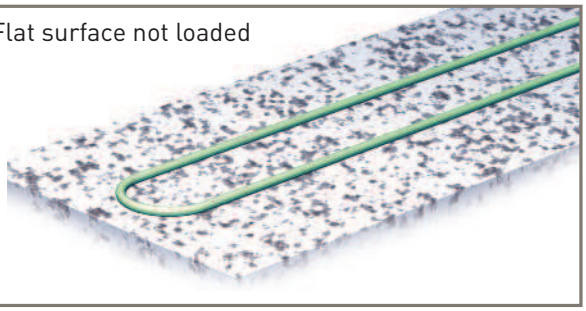
Results :

The tests show that, for a Category 5e or Category 6 cable subjected to a load of 40 cables, there is no significant difference in behaviour between Cablofil steel wire cable tray and a support with a flat base.

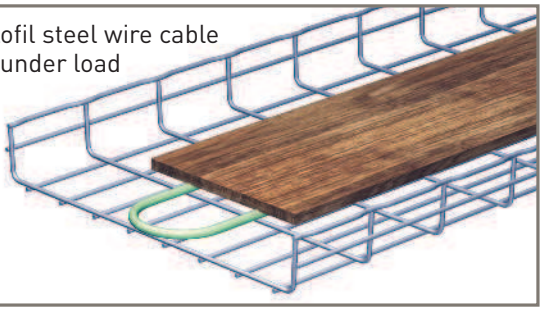
Cablofil steel wire cable tray not loaded



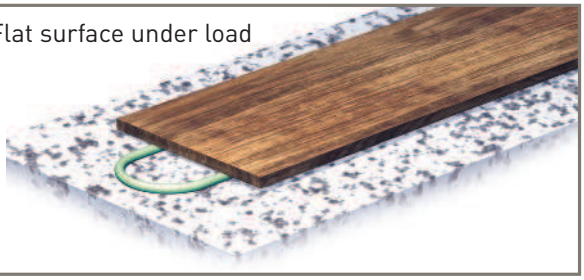
Flat surface not loaded



Cablofil steel wire cable tray under load



Flat surface under load



• Test 2 : durability under load

In order to establish how data cable installations change over time, the equipment is subjected to a simulated 15 year ageing process based on extremely stringent military standards and the same tests are performed. The cables and supports undergo 200 cycles over large temperature variations (-40°C to +85°C) over a period of 2 weeks.

Results :

The cable supported by Cablofil steel wire cable tray, an open and ventilated system, performs better than a cable laid directly on the floor.

(ix) Electrical continuity

Fundamental to providing safety to people and property, electrical continuity also plays an essential role in the EMC performance of an electrical installation.

Definition

The electrical continuity of a system is its ability to conduct electric current. Each system is characterised by its resistance (R).

If R = 0 Ω, the system is a perfect conductor.

If R is infinite, the system is a perfect insulator.

The lower the system's resistance, the better its electrical continuity will be.

The importance of excellent electrical continuity

Even at the same electrical potential each part of the steel wire cable tray run helps dissipate any fault currents :

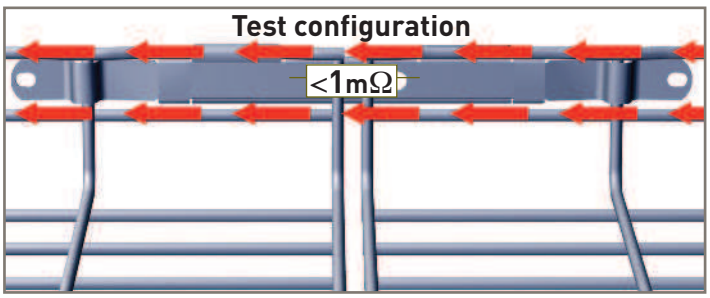
Tested for electrical continuity

• Steel wire cable tray lengths

Tests show that Cablofil steel wire cable tray lengths more than meet the requirements of the standard IEC 61537, which stipulates that cable tray resistance must not exceed 5 mΩ/m.

• Steel wire cable tray couplers

The standard IEC 61537 states that coupler resistance must not exceed 50 mΩ. The test involves running an electric current ➡ through the system (lengths + couplers) and measuring coupler resistance.



Test results

An average of 0·82 mΩ for Cablofil couplers. This is between 50 and 80 times better than the requirements given in the standard.

All Cablofil couplers are tested and compliant.

Please contact our technical support team on +44 (0)845 605 5334 for the full results of these tests.

(x) Earth protection

Earthing an installation is vital for the safety of people and property. Furthermore it plays an active role in EMC.

Definition

The earth network is made up of all the metallic components of a building that are interconnected. These include beams, conduits, cable management, the metal frames or devices. All such elements must be interconnected to ensure the earth network is equipotential.

Benefits of equipotential earthing network

The equipotential earth network works like a system of conduits evacuating any fault currents and the parasite currents to earth. This provides a means of :

- protecting people and property
- obtaining a satisfactory EMC performance level

Integrating steel wire cable tray into the earth network

In order to benefit from the advantages in terms of safety and EMC, metallic cable trays must be connected to the earth network every 15 m.

Where tray runs are shorter than 15 m, the ends of each metal cable tray must be connected to earth.

Any electrical circuit thus formed by the cable tray must be closed to help remove any fault or noise currents which may arise.

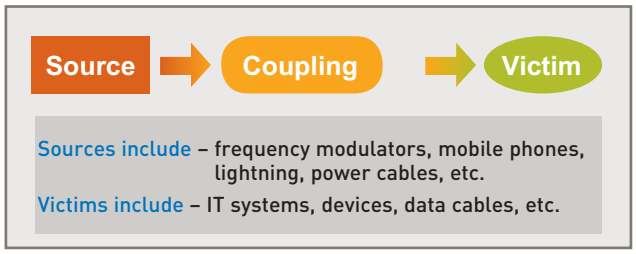
Role of the protective conductor : The protective conductor provides a simple and effective means of connecting the cable tray to earth.

(xi) Electromagnetic compatibility (EMC)

Understanding EMC involves the analysis of electromagnetic pollution between a source of disturbance and its victim.

Definition

Electromagnetic interference is emitted by a source polluting a victim. Electromagnetic interference is transmitted by a process known as coupling. An EMC problem only occurs when the three elements source, coupling and victim are evident. To obtain a good EMC we simply need to eliminate one of the three elements or reduce its effect.



Metallic cable trays with excellent electrical continuity, which are integrated into an installation's equipotential earthing network, reduce the effects of coupling and therefore improve an electrical installation's EMC.

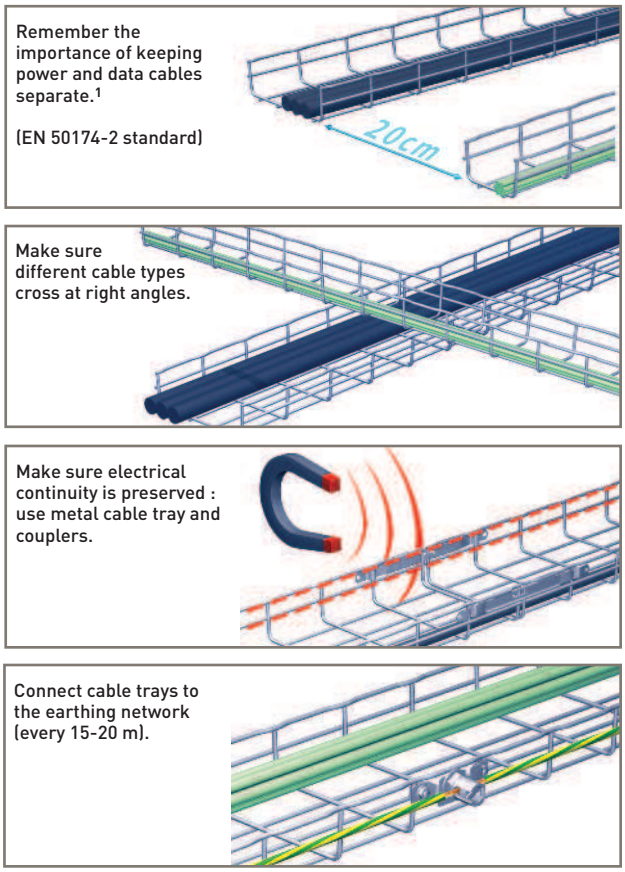
The solution offered by Cablofil steel wire cable tray

- Its open structure makes it easy to ensure correct separation by visual inspection
- Its easy installation and metal structure guarantee excellent electrical continuity in all cases : couplings, bends, changes of level, crossovers etc.
- Its open structure can reduce 'cross talk'

EMC tests

Tests conducted by the accredited and independent AEMC Measures and CETIM laboratories demonstrate the performance of Cablofil steel wire cable tray in relation to the EMC of the electrical installation.

The golden rules!

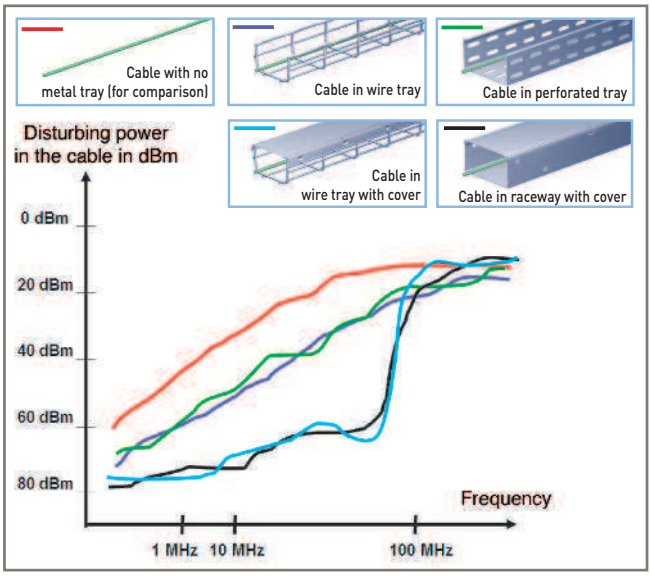


1 : The EN 50174-2 standard specifies how far cables must be kept apart. This depends on the type of data cable, the number of power cables and the type of cable tray. Otherwise, the distance of 20 cm provides a simple and sensible rule of thumb. For precise details, please contact our technical support team on +44 (0) 845 605 5334.

• Test 1 - configuration:
Data cable in an external electromagnetic field

A data cable (Category 5e UTP) is placed in an insulated anechoic chamber and subjected to a powerful artificially-generated electromagnetic field in order to simulate electromagnetic interference.

Each tray is connected to earth and subjected to the test :



Results and interpretations

A simple comparison of the measurements for the different cable tray configurations - steel wire cable tray (wire mesh) and perforated cable tray, with and without cover - makes it possible to quantify the role played by cable tray in relation to EMC.

These tests show that there is no significant difference in 'Faraday cage' effect offered by steel wire cable tray (wire mesh) or perforated cable tray.

These results show that it is vital :

- to use metal cable tray
- to earth the cable tray
- to use a cover if required

- **Test 2 - configuration:**

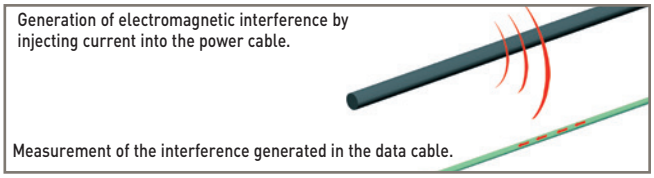
Data cable alongside a power cable

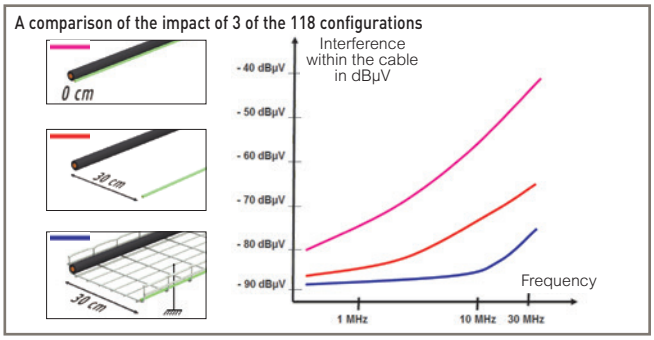
A Category 6 UTP data cable is placed inside an insulated anechoic chamber and subjected to an electromagnetic field generated by a power cable.

The following parameters are studied :

- Cable tray earthing
- Separation distances – 0, 10, 20, 30 cm
- Cable tray type – steel wire cable tray (wire mesh), perforated cable tray, trunking
- Separated cable trays
- One cable trays, with and without dividers

As a result, a total of 118 configurations are tested.





Results and interpretations

This second test configuration confirms that metal cable trays reduce interference - steel wire cable tray (wire mesh) and perforated cable tray.

To obtain a good EMC, these results show that it is vital :

- To use metal cable tray
- To earth the cable tray

2 Loadings

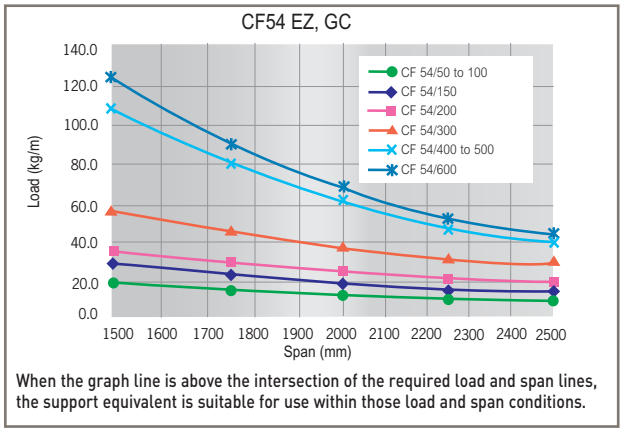
First and foremost, steel wire cable tray must act as an effective, resistant and durable support for cables.

The mechanical performance of all products and accessories is tested against the very demanding requirements imposed by the international standard IEC 61537.

i) Safe working loads

The permissable load stated in this catalogue represents the load that Cablofil steel wire cable tray is guaranteed to be able to bear. It assumes loads are evenly spread and is given in daN/m. The standard permits a deflection equivalent to 1/100th of the span. Legrand imposes a stricter limit of 1/200th for both safety and aesthetic reasons. For example, Legrand voluntarily restricts deflection to 10 mm for a span of 2 m, whereas the standard would allow 20 mm.

Load tests carried out to IEC 61537 (safety factor 1·7 + joint $^1/_5{}^{th}$ of the way along the span). Permissable load should include all cable loads and any other additional loads (eg: wind, snow).



When the graph line is above the intersection of the required load and span lines, the support equivalent is suitable for use within those load and span conditions.

(ii) Safe working loads for supports

Brackets are classified by their permissible load (in daN).

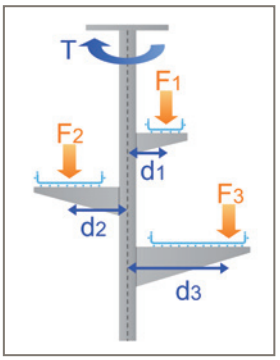
Hangers are classified by their permissible torque (in daN/m).

All Cablofil supports are tested and comply with the IEC 61537 standard.

F – is the load (in daN) applied to the support.

d – is the distance between the hanger axis and the load.

T – is the torque (in daN/m) applied to the hanger.



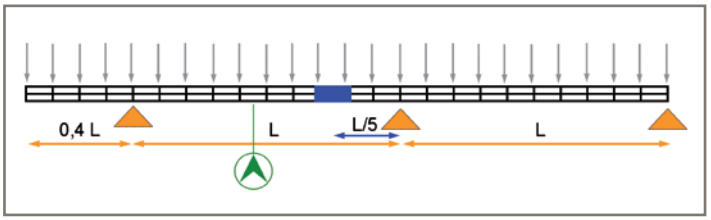
Calculation rules :

Total F = F1 + F2 + F3 ← permissible hanger load

Total T = F1.d1 + F3.d3 – F2.d2 ← permissible hanger torque

(iii) Load tests : test configuration according to standard IEC 61537

Each Cablofil steel wire cable tray has been tested in the required configuration, with a coupling 1/5th of the way along the span. Deflection is measured at the centre of the span.



The values given in this document have been obtained from extensive testing of our cable support equipment. They are given as a guide, so that customers may use Legrand's products to the best advantage; they are nevertheless average figures which are given in good faith, but without accepting any liability in contract, tort or otherwise in the event of different performance by equipment which is actually supplied.

Fire resistance and protection

IN THIS SECTION...

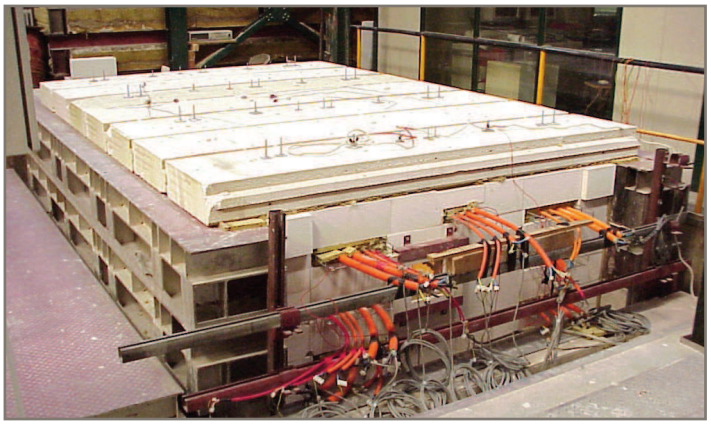
Fire resistance

Fire resistance

Safety is a major concern for everyone, but can only be achieved with knowledge of how electrical equipment behaves in the event of a fire. Cablofil steel wire cable tray has been successfully tested and proven to meet all fire safety requirements.

1 Standard DIN 4102-12

The German DIN standard serves as a reference. As there is no European standard on fire resistance specifically for cable trays. The German standard specifies that the entire system of cable trays, accessories and cables must be tested in an oven which is at least 3 m long for a period of 30, 60 or 90 minutes at temperatures of up to 1 000°C.



Period	Certification
→ 30 minutes	E 30
→ 60 minutes	E 60
→ 90 minutes	E 90

The test aims to verify whether the electrical system is working properly and make sure that sources of critical data (emergency lighting, ventilators, emergency exit, fire alarm, etc.) can resist long enough to provide assistance in the event of a fire.

2 Recognised independent laboratories

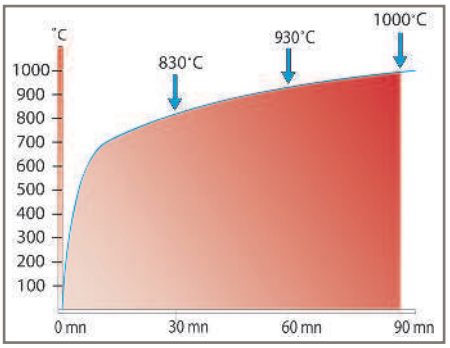
The IBMB (Institut für Baustoffe, Massivbau & Brandschutz) and FIRES laboratories are recognised centres for testing and issuing the associated certificates. They ensure that the test conditions described in the standard DIN 4102-12 are observed.

3 Test configuration

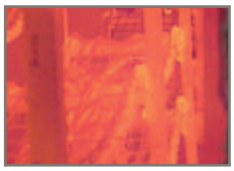
Cablofil steel wire cable tray standard products passed the tests without the need to develop an extensive or specific range. The configurations used by Legrand involve wire cable trays with two different spans (1 250 mm and 1 500 mm) subject to a maximum permissible load of between 2 kg/m and 20 kg/m. The increase in temperature follows the temperature curve (ETK) defined by DIN 4102-12.

The E 90 test does not in itself validate a wire cable tray, but validates the combination of Cablofil steel wire cable tray with a specific type of cable. This underlines the complexity, as well as the relevance, of these tests, which have already been passed by a number of cable types. Cables are tested in pairs.

The surprising appearance of the cable tray after the test is quite normal. The mechanical properties of the cables and cable tray are impaired but they achieved their objective; to ensure the durability of the installation for a given period.



Before test



During test

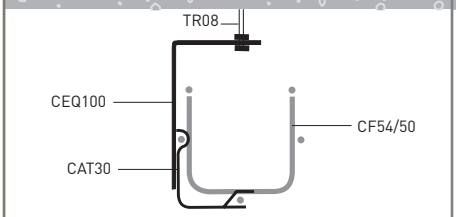
After test

4 Samples of configurations tested

Cablofil steel wire cable tray is certified to E 90 for a number of configurations that meet the requirements of data transfer facilities designed to ensure the protection of property and people in the event of a fire.

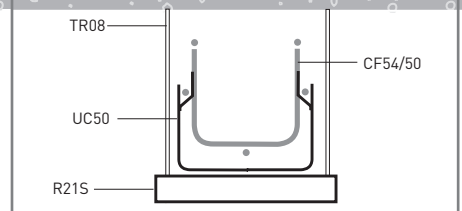
Below are 9 representative samples of the more than 20 configurations tested.

Light duty



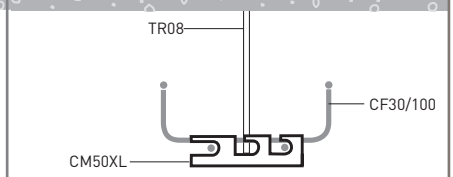
1 200 mm — 2 kg/m

CF54/50 EZ



1 200 mm — 5 kg/m

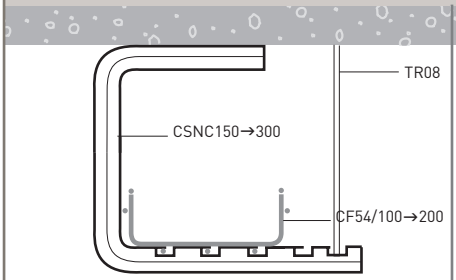
CF54/50 EZ



1 200 mm — 5 kg/m

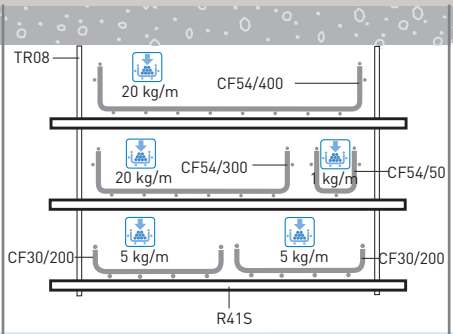
CF30/100 EZ

Medium duty



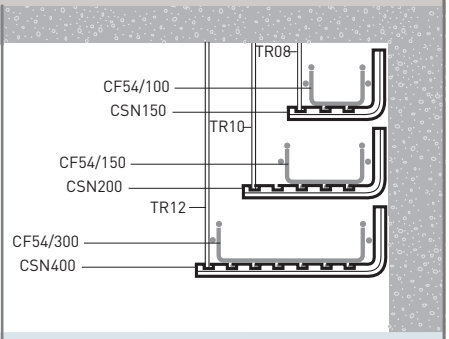
1 250 mm — 10 kg/m

CF54/100→200 EZ GC 304L 316L



1 200 mm — 1 kg/m to 20 kg/m

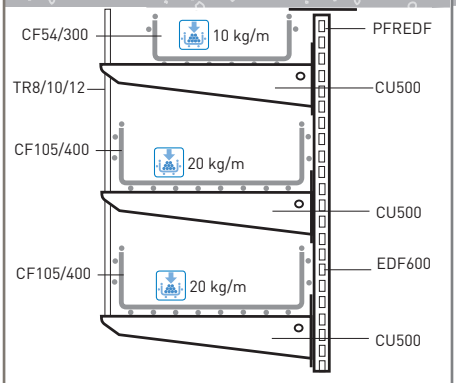
CF 54/50→400 EZ CF 30/200 EZ



1 250 mm — 10 kg/m

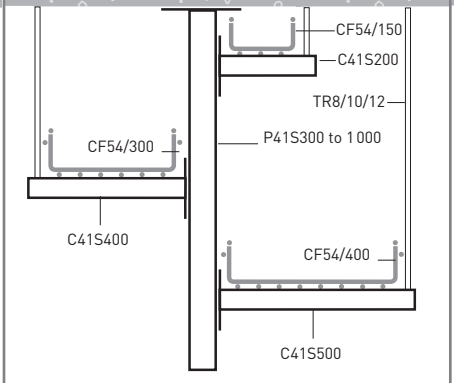
CF54/100→300 EZ GC 304L 316L

Heavy duty



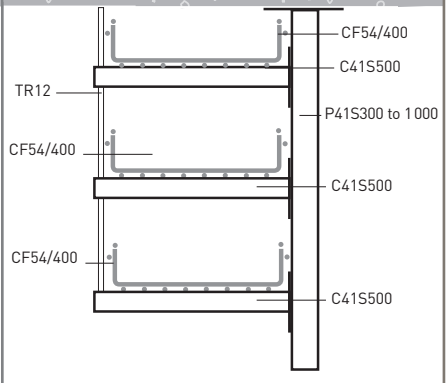
1 200 mm — 1 kg/m to 20 kg/m

CF54/300 EZ CF105/400 EZ



1 250 mm — 10 kg/m

CF54/150→400 EZ GC 304L 316L



1 250 mm — 10 kg/m

CF54/100→400 EZ GC 304L 316L

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