

Cable Support Systems

Cable Trays and Integrated Ceilings



WIBE



WIBE in Mora, Sweden

WIBE was the first producer of cable ladders in Sweden and has for more than 70 years been the market leader and foremost in the development of new products and systems.

Today we produce a wide programme for cable supports offering:

- Cable ladders
- Cable trays and Integrated Ceilings
- Lighting trunking
- Carrier system for light cables
- Installation rails and channels

WIBE has the unique advantage of being able to offer you a cable support system for each specific building sector all from one source.

WIBE produces more than 1 million metres of cable ladder each year at our modern, 18 000 m² factory in Mora.

Our own hot dip galvanizing plant is one of the most modern in Northern Europe and has a capacity of 90 tons a day, close by is the painting plant which is one of the most advanced plants for powder coating in the world.

WIBE can offer you coatings to meet most of your corrosion protection requirements coupled with the colour of your choice.

When it comes to know how and service we will help you find the best solution, because our total resources are at your disposal.





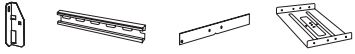








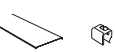









Our sales organisation in partnership with distributors and stockists all over the world guarantee you speedy deliveries.

You may already know that WIBE is also the market leader in climbing ladders as well as masts used for lighting and communications.

WIBE has a complete range of professional climbing ladders to meet the demands of both industrial and domestic users. The climbing ladders are produced at our plant in Nässjö Sweden.

Masts have been manufactured by WIBE since the mid 40's and range from 6 m to 335 m high. They are technically advanced both in design and construction. Needless to say we have the resources for qualified projection, calculation and construction and our specialist installation teams have experience gained from countless projects world wide.

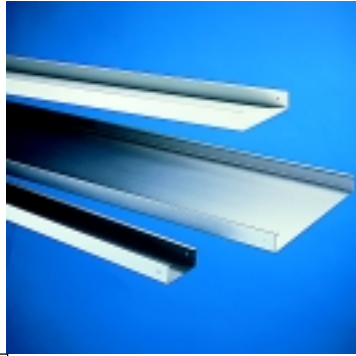
Cable trays

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Cable trays – view

Cable tray W1






Cable tray W3



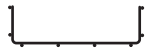
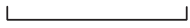
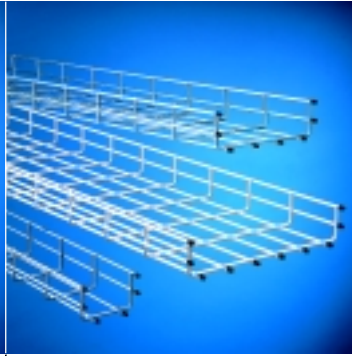
Lighting trunking
W70, W71



			
Height	40 mm	40 mm	22 and 40 mm
Length	2000 mm	3000 mm	3000 and 6000 mm
Width	70–600 mm	50–600 mm	40–200 mm
Pre-galvanized			
Electro-galvanized			
Hot dip galvanized			
Powder coated white			
Stainless steel AISI 316			
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Installation tray W4

Mesh tray WN62



15 mm

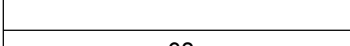
50 and 62 mm

3000 mm

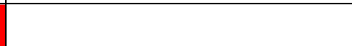
3000 mm

50–400 mm

60–600 mm



68



74

Surface treatment

Corrosion classes

The life expectancy of a cable support system is dependent on the environment in which it is placed. Therefore, it is important to establish the corrosive properties of an environment to ensure that the right treatment and the right material are chosen. To achieve this, several corrosion classes have been drawn up in accordance with BSK99.

The table below shows various corrosion classes. As a guide, we have included the surface treatment recommended by Wibe for the different classes.

On the next page, we briefly outline the various surface treatments and materials.

As regards environmental corrosion, a steel design component can usually be assigned to one of the corrosion classes (C1-C5-M) as shown in table 1:23a. Reference values for the average level of corrosion in steel and zinc are given in table 1:23c. The corrosion classes comply with those stipulated in SS-EN ISO 12944-2.

Table 1:23a

Corrosion classes as stipulated by SS-EN ISO 12944-2 with atmospheric corrosion levels and examples of the environment in which they are most suitable for use.

Corrosion class	Environmental corrosion	Examples of typical environments in temperate climates (informative)		Recommended min. surface treatment
		Outdoors	Indoors	Wibe designations
C1	Very low	–	Heated areas with arid atmosphere and insignificant quantities of pollutant, e.g. offices, shops, schools and hotels.	Electro-galvanised
C2	Low	Atmospheres with low levels of airborne pollution. Rural areas.	Non-heated areas with fluctuating levels of temperature and humidity. Few instances of condensation and low levels of airborne pollution, e.g. sports halls and warehouses.	Pre-galvanised Z 275 in accordance with SS-EN 10142
C3	Average	Atmospheres containing some salt or average levels of airborne pollution. Urban and light industrial areas. Areas affected by coastal conditions.	Areas with average levels of humidity and some airborne pollution resulting from production processes, e.g. breweries, dairies, laundries.	Hot dip galvanised after manufacture in accordance with SS-EN ISO 1461
C4	High	Atmospheres with average salt content or discernible levels of airborne pollution. Industrial and coastal areas.	Areas of high humidity and considerable airborne pollution experience as the result of production processes, e.g. chemical plants, swimming pools and dockyards.	Hot dip galvanised after manufacture in accordance with SS-EN ISO 1461, or Zinkpox Hot dip galv. + powder coating
C5-I	Very high (industrial)	Industrial areas with high levels of humidity and aggressive atmospheres.	Areas with almost permanent condensation and large quantities of airborne pollution.	Zinkpox Hot dip galv + epoxy finish
C5-M	Very high (marine)	Coastal and offshore areas with high salt content.	Areas with almost permanent condensation and large quantities of airborne pollution.	Stainless SS 2333/ AISI 304 or SS 2348/AISI 316L

Table 1:23c

Mass losses for steel and zinc in various corrosion classes

Corrosion class	Mass loss per surface unit and thickness reduction (1 year of exposure) ¹			
	Steel		Zinc	
	Mass loss (g/m ²)	Thickness reduction (µm)	Mass loss (g/m ²)	Thickness reduction (µm)
C1	≤ 10	≤ 1.3	≤ 0.7	≤ 0.1
C2	> 10 to 200	> 1.3 to 25	> 0.7 to 5	> 0.1 to 0.7
C3	> 200 to 400	> 25 to 50	> 5 to 15	> 0.7 to 2.1
C4	> 400 to 650	> 50 to 80	> 15 to 30	> 2.1 to 4.2
C5-I	> 650 to 1500	> 80 to 200	> 30 to 60	> 4.2 to 8.4
C5-M	> 650 to 1500	> 80 to 200	> 30 to 60	> 4.2 to 8.4

¹ Corrosion speed is generally higher when the material is first exposed.

Surface treatment

Electro-galvanized Fzb

Mesh trays are the only products in Wibe's range to be treated using electro-galvanization, the process being conducted in accordance with ISO 2081. Such products are intended for use only in warm, dry areas with negligible pollutant levels.

Pre-galvanized Fzs

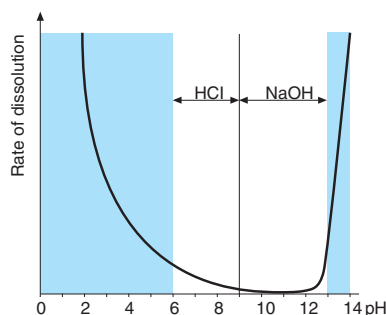
Products are manufactured from Z275 pre-galvanized sheet steel in accordance with SS-EN 10142. Surface sections created during cutting and drilling will, under normal conditions, repair themselves, providing the plant with superb anti-corrosion protection.

Hot dip galvanized Fzv

Wibe has one of the most modern hot dip galvanization plants in the Nordic countries. The hot dip process is continuous, guaranteeing a high and even quality.

Once manufactured products are hot dip galvanized in accordance with SS-EN ISO 1461 whilst nuts and bolts are hot dip galvanized in accordance with SS 3192. This form of galvanization affords very good value-for-money anti-corrosion protection in atmospheres with a pH value of between 6 and 13. However, in acidic environments where pH levels fall below 6 and in alkaline environments where the pH value exceeds 13, the protective zinc layer breaks down relatively quickly.

Rate of dissolution



The rate of dissolution is determined by the pH value of pure zinc in distilled oxygenated water that has been pH adjusted to various levels using HCl or NaOH.

NB The curve only applies to conditions shown, and gives only an indication of the propensity for corrosion without consideration to time.

Zinkpox

The Zinkpox method involves the coating of the zinc layer with a homogenous covering of epoxy/polyester. Epoxy/polyester is a plastic paint that displays the greatest resistance to most chemicals. The layer of zinc on the steel prevents the formation of underfilm corrosion, which is a contributing factor in paint degradation. The paint layer is only affected by atmospheric erosion. The zinc layer only deteriorates once the paint has been eroded, and this gives you considerable breathing room before the steel is subject to attack. By using this treatment process, the life expectancy of the product is more than double that had it only been treated using hot dip galvanization.

In addition to providing excellent anti-corrosion protection, Zinkpox also allows freedom of choice as regards product colour.

Powder coating is an extremely environmentally friendly finishing method. The pigment contains no solvents and has, to a great extent, replaced wet finishes.

In the case of visible cable ladder installations, both ladders and accessories can be painted in colours matching the décor of their surroundings.

Modern painting plant produces perfect results

Carefully and thoroughly pre-treating of galvanized products is the cornerstone of achieving perfect adhesion. We employ a seven-stage process, consisting of alkaline degreasing, heavy spray rinsing, fine spray rinsing with sensitisation, zinc-manganese phosphatising, rinsing, passivation and rinsing with de-ionised water. Immediately after the pre-treatment process, products are dried in a tunnel oven and are then powder coated by an electronically controlled robot, guaranteeing that all components are treated perfectly. Finally, products are hardened in a 19-section tunnel oven, the temperature in each section being regulated in a stepless manner, producing a perfect hardening curve. At no stage in the process does a human hand touch any of the products. Instead, they are moved between the various stages using a 355-metre long electronically controlled conveyor belt. A perfect result! The surface is now resistant to both scratches and impact.

Quality – Epoxy/polyester

(very high chemical tolerance)

Zinc

Epoxy/polyester	(min 70 µm)
Lustre (ISO 2813)	80-90%
Finish (ISO 1519)	6 mm
Cross hatch (ISO 2409)	
Erichsen test (ISO 1520)	8 mm

Stainless steel

Wibe stainless steel products, manufactured in accordance with SS 2333/AISI 304, or in accordance with SS 2348/AISI 316L are designed for use in highly aggressive environments, either indoors or outdoors, on industrial sites where there are high levels of potent airborne pollution such as in certain chemical industries, cellulose-related industries, refineries or artificial fertiliser factories, high humidity tunnels, etc.

Stainless steel products are also ideal for use in environments where special hygiene requirements are in force, such as dairies, abattoirs, other food industries and pharmaceuticals factories.

Stainless steel AISI 304 or AISI 316L?

The deciding factor in choosing between stainless steel AISI 304 or AISI 316L is the aggressiveness of the environment in which it is to be used, and for this atmospheric chlorine content plays a significant role. Environments with a high chlorine content – coastal areas being a prime example – are aggressive, and usually require the use of AISI 316L materials.

When assessing the needs of factories, consideration should be given to the materials previously used to suspend equipment such as pipe tubing, and from this determine whether stainless steel AISI 304 or AISI 316L material is required.

Colour schemes

As standard, trays, trunking and accessories are pre-galvanized or pre-galvanized and covered with white paint (RAL 9010) (powder coated) in accordance with the Zinkpox method. Naturally, we are able to supply trays in other colours on request.

Environmental policy and Quality certification

Environmental product declarations are available for all Wibe products. These can be ordered direct from Wibe.

Declarations may also be downloaded from the Wibe website at www.wibe.com

Our product sheets and brochures are marked successively with the name of the environmental document (WEF-0001–0024).

Environmental policy

It is AB WIBE's intention to safeguard and take responsibility for both the internal and external environment.

- By creating a good internal environment, we will prevent incidents of illness and have a positive effect on quality and productivity.
- We will contribute towards creating a good external environment in the immediate area by reducing the negative effects generated by emissions and waste.
- We will use cyclical analyses in the development of products, packaging and production systems in order to clarify the impact they have on the global environment.
- Each employee shall take personal responsibility both for their own health and for the environment in their day-to-day work by following instructions and procedures, and by reporting any apparent health and environmental hazards.

Approval and quality assurance



Wibe has a policy of testing and approving products in accordance with current national and international standards. To manage our business activities, we have introduced a quality assurance system that is ISO 9001 certified.

Potential balancing

Resistance testing of Wibe cable trays has been performed by the Swedish National Testing & Research Institute in Borås.

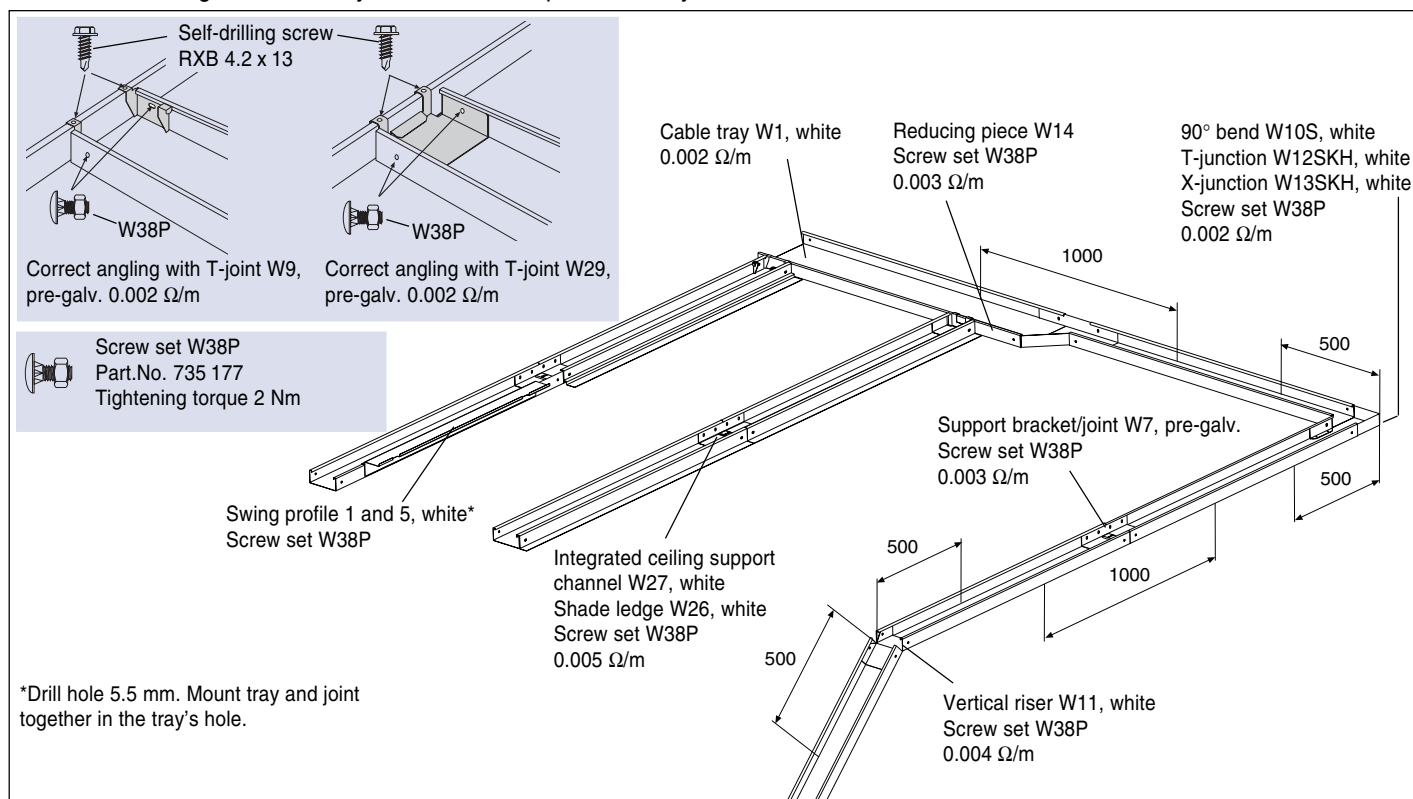
The tests have been carried out according to SS-EN 60335-1 1990.

Resistance testing of Mesh Tray WN has been performed by

Laboratorio Central Oficial de Electrotecnia in Spain.

The tests are performed according to draft prEN 50085, Issue 17.

Resistance testing has been performed by Wibe test laboratory according to EL-AMA SBD 2.

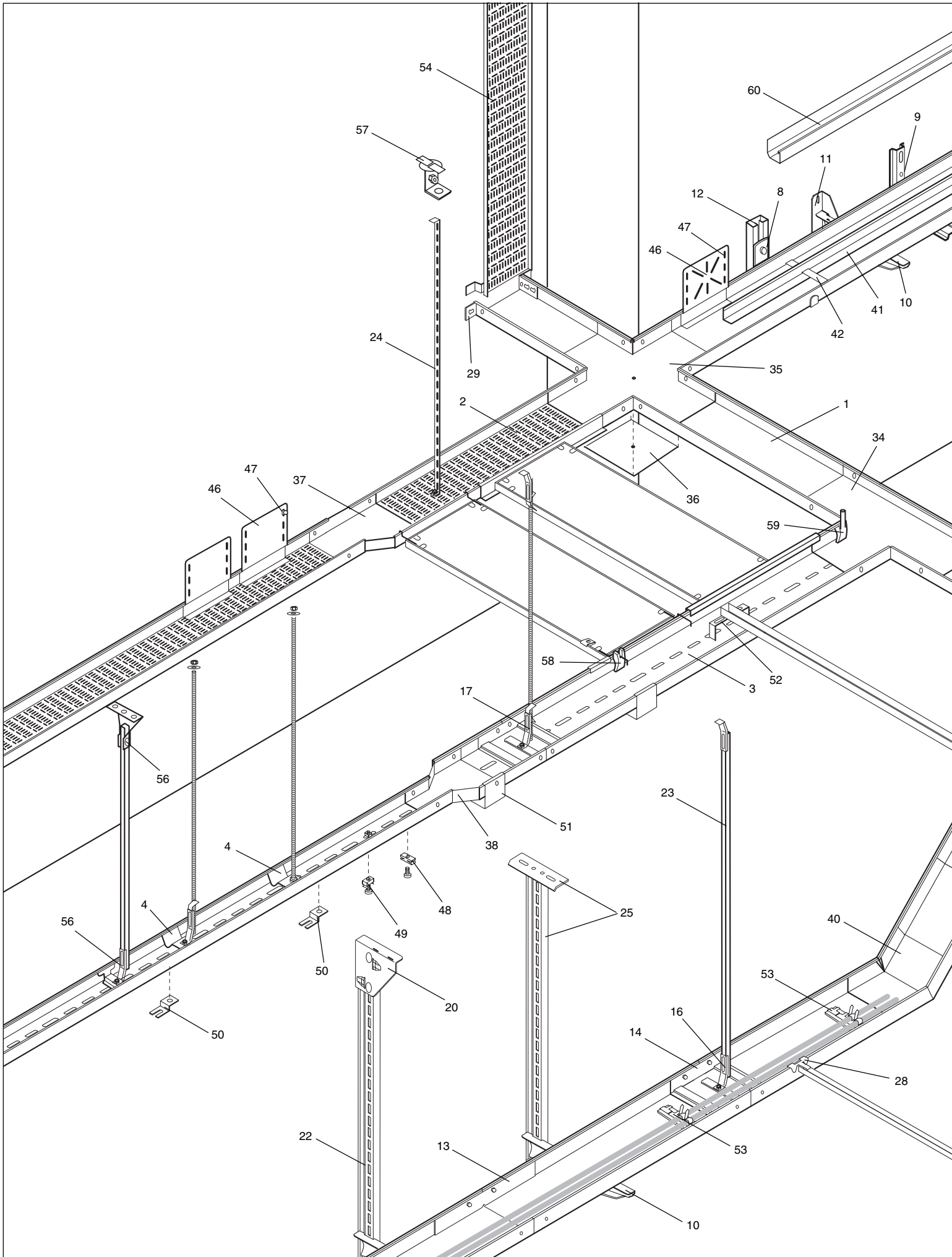


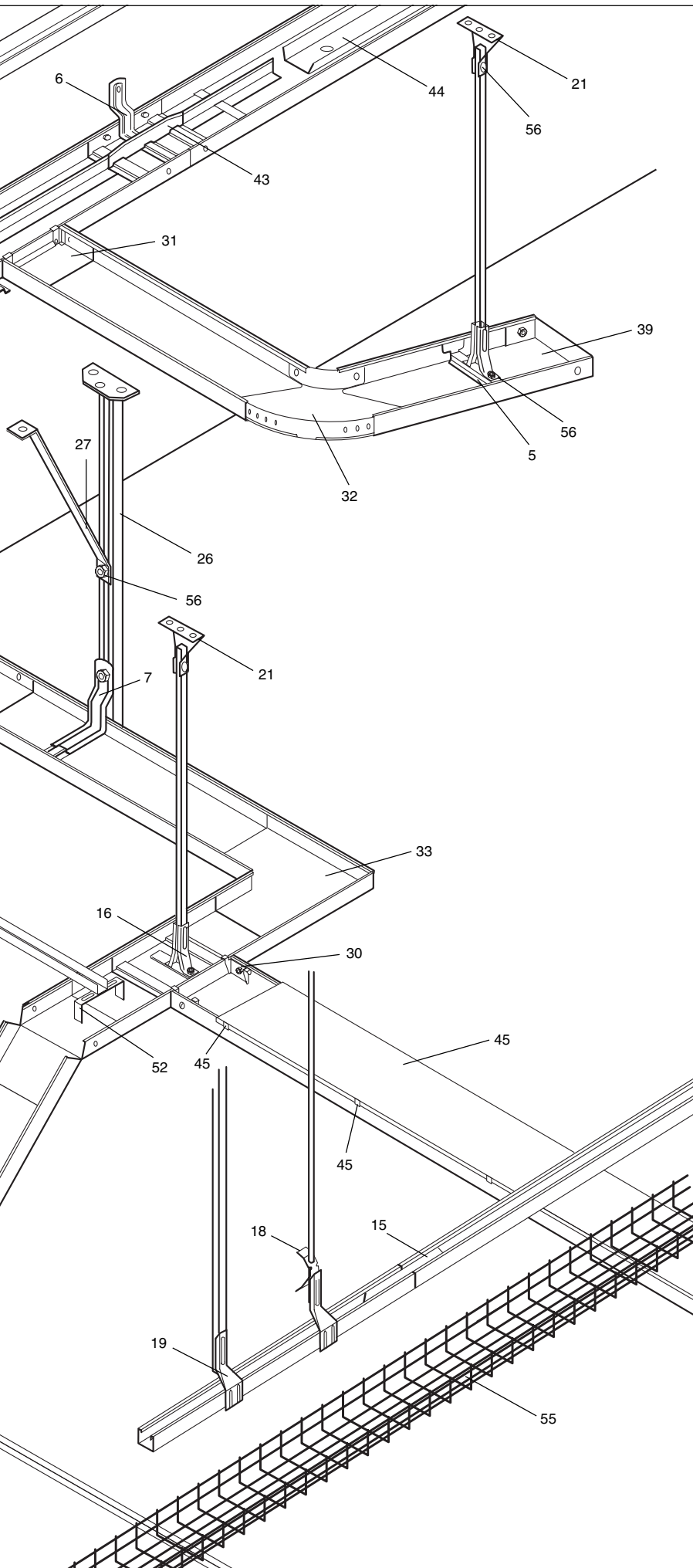
Product		Ohm/m
Cable Tray W1-200, pre-galv., with Joint W7, pre-galv. + Screw set W38P		0.00114
Cable Tray W1-200, pre-galv., with Joint W7, pre-galv. + blind rivet		0.00118
Cable Tray W1-200, white, with Joint W7, pre-galv. + Screw set W38P		0.00154
Cable Tray W1-200, white, with Joint W7, pre-galv. + blind rivet. (Paint taken away at the blind rivet)		0.00370
Mesh Tray WN62-100, electro-galv. + 2 pcs Joint WN27, electro-galv		0.00370
Mesh Tray WN62-300, electro-galv. + 2 pcs Joint WN26, electro-galv. + 1 pce WN27, electro-galv., at bottom		0.00140
Mesh Tray WN62-600, electro-galv. + 2 pcs Joint WN26, electro-galv. + 2 pcs WN27, electro-galv., at bottom		0.00097
Mesh Tray WN62-100, hot dip galv. + 2 pcs Joint WN27, hot dip galv.		0.00660
Mesh Tray WN62-300, hot dip galv. + 2 pcs Joint WN26, hot dip galv. + 1 pce WN27, hot dip galv., at bottom		0.00140
Mesh Tray WN62-600, hot dip galv. + 2 pcs Joint WN26, hot dip galv. + 2 pcs WN27, hot dip galv., at bottom		0.00097
Mesh Tray WN62-100, AISI 316 + 2 pcs Joint WN27, AISI 316		0.00910
Mesh Tray WN62-300, AISI 316 + 2 pcs Joint WN26, AISI 316 + 1 pce WN27, AISI 316, at bottom		0.00550
Mesh Tray WN62-600, AISI 316 + 2 pcs Joint WN26, AISI 316 + 2 pcs WN27, AISI 316 at bottom		0.00370

Note! Regarding Mesh Tray WN – When cutting wires at couplings or level changes the resistance will be changed.

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Cable trays – installation summary





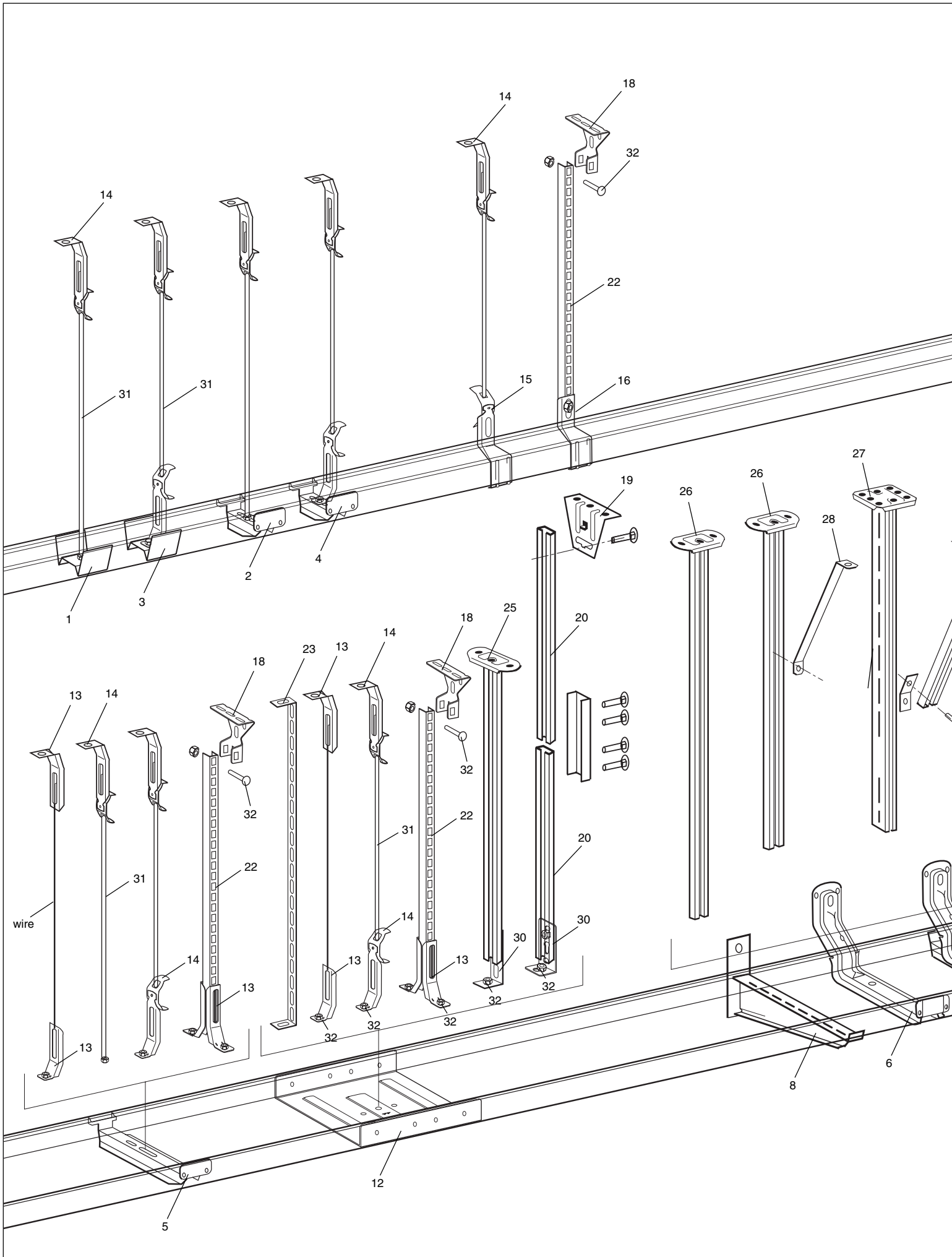
Components

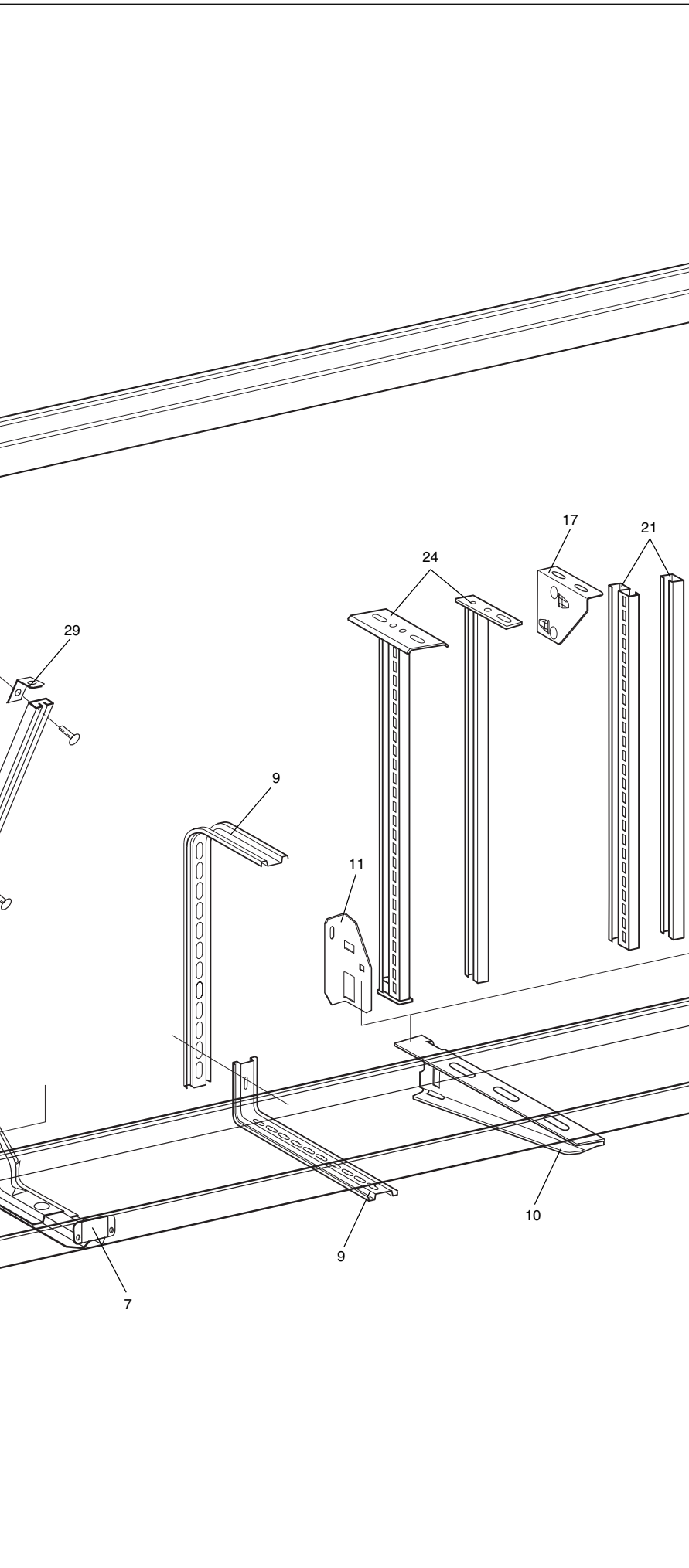
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10. Cantilever arm 80	26
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13. Side joint W3	28
14. Support bracket/joint W7	29
15. Joint W7-40	30
16. Pendant attachment W21	31
17. Tube pendant attachment W73	32
18. Pendant bracket W80	32
19. Pendant bracket W81	32
20. Ceiling bracket 7	33
21. Ceiling attachment W31	34
22. Pendant/Fixing rail 7L/7	36
23. Pendant rail W32	37
24. Pendant strip W33	38
25. Vertical piece 7L/7	39
26. Vertical piece 2/2F	41, 42
27. Pendant bar 1	44
28. Locking clamp W77	46
29. Angle bracket W8/W8S	47, 48
30. T-joint W9	49
31. T-joint W29	50
32. Adjustable bend W10S	51
33. 90° bend W10 SKH	52
34. T-junction W12 SKH	53
35. X-junction W13 SKH	54
36. Cover plate W16	54
37. Reducing piece W14, left/right	55
38. Reducing piece W15, straight	56
39. End cover W45	56
40. Vertical riser W11	57
41. Dividing strip 39/24	58
42. Support band W6	58
43. Insert piece W39	59
44. Tele-conduit 36	59
45. Cover W5 + Cover clamp W62	60
46. Junction box plate W24	61
47. Earth clamp W79	62
48. Luminaire bracket W56	62
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12 WIBE

Suspension components – installation summary



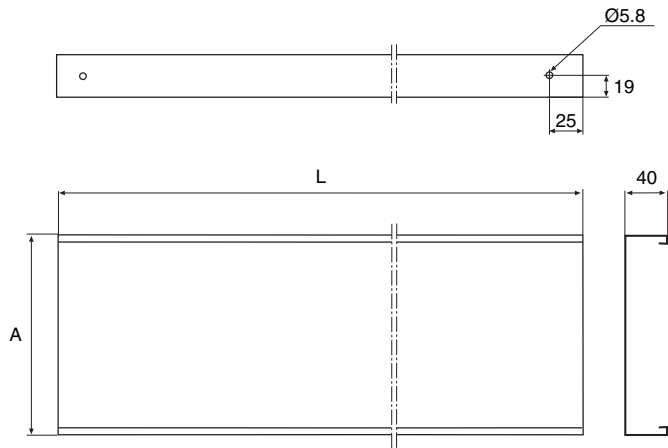
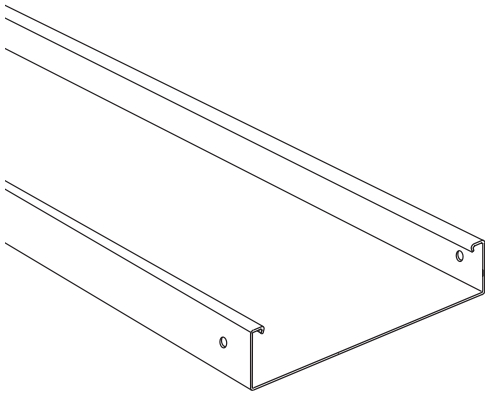


Components

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8. Cantilever arm 50	23
9. Cantilever arm 70	25
10. Cantilever arm 80	26
11. Wall bracket 80	27
12. Support bracket/joint W7	29
13. Pendant attachment W21	31
14. Tube pendant attachment W73	32
15. Pendant bracket W80	32
16. Pendant bracket W81	32
17. Ceiling bracket 7	33
18. Ceiling attachment W31	34
19. Ceiling bracket 5	34
20. Pendant/Fixing rail 24/34	35
21. Pendant/Fixing rail 7L/7	36
22. Pendant rail W32	37
23. Pendant strip W33	38
24. Vertical piece 7L/7	39
25. Vertical piece 2	41
26. Vertical piece 2F	42
27. Vertical piece 20	43
28. Pendant bar 1	44
29. Bracket 60/40	45
30. Angle bracket W8/W8S	47, 48
31. Threaded rod M10 W76	80
32. Screw sets/Exp.bolts	92-95

Installation summary see page 10–11.

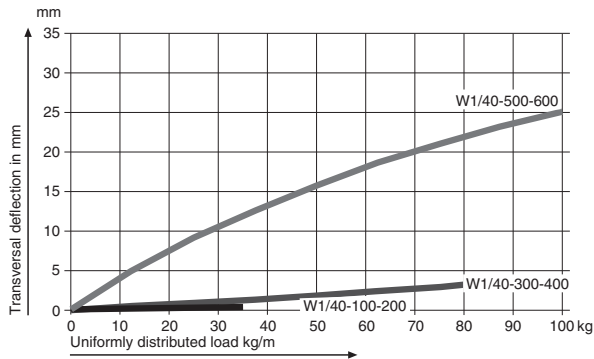
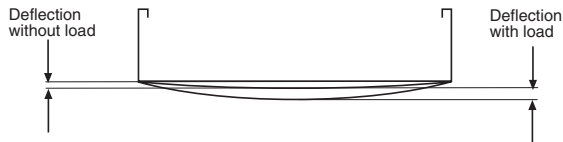


	A mm	L mm	Plate thickness mm	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 m
Cable tray W1/40 - 70	70	2000	0.7	713 251 5	713 259 1	95
Cable tray W1/40 - 100	100	2000	0.7	713 252 2	713 260 7	120
Cable tray W1/40 - 200	200	2000	0.7	713 254 6	713 262 1	170
Cable tray W1/40 - 300	300	2000	1.25	713 256 0	713 264 5	400
Cable tray W1/40 - 400	400	2000	1.25	713 257 7	713 265 2	500
Cable tray W1/40 - 500	500	2000	1.5	713 258 4	713 266 9	720
Cable tray W1/40 - 600	600	2000	1.5	723 219 2	723 220 8	840

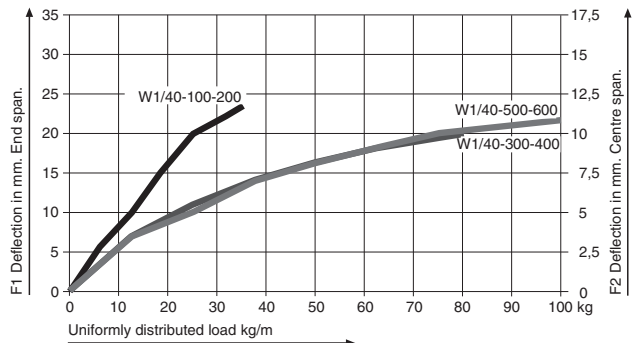
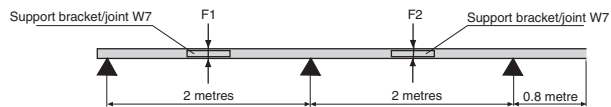
Loadings

In order to calculate the total deflection in the middle of the tray add up transversal deflection + longitudinal deflection + deflection of unloaded tray.

Transversal deflection



Longitudinal deflection



Deflection of unloaded tray

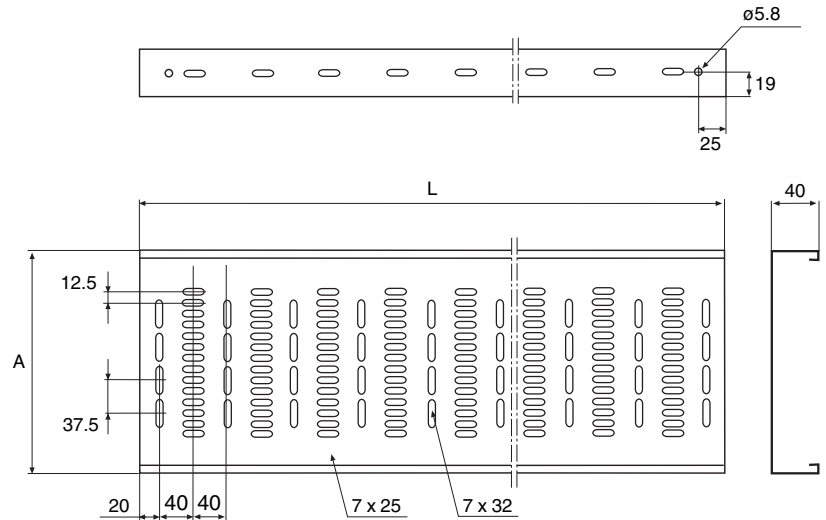
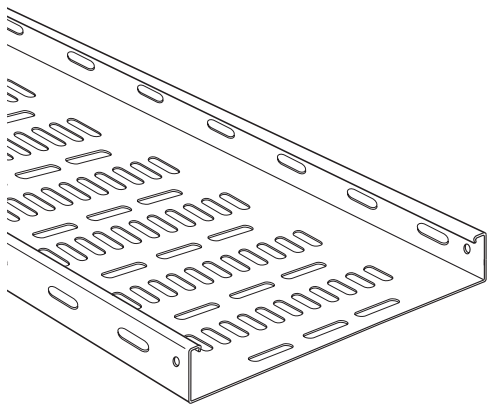
Tray, length 2 m	W1/40-100-200	W1/40-300-400	W1/40-500-600
Transversal deflection at 0 kg	0 mm	3 mm	5 mm
Longitudinal deflection at 0 kg	5 mm	5 mm	6 mm

* EAN-code = 732167 + Part.no + C (control figure)

Cable tray W3, perforated, pre-galvanized

WEF-0001

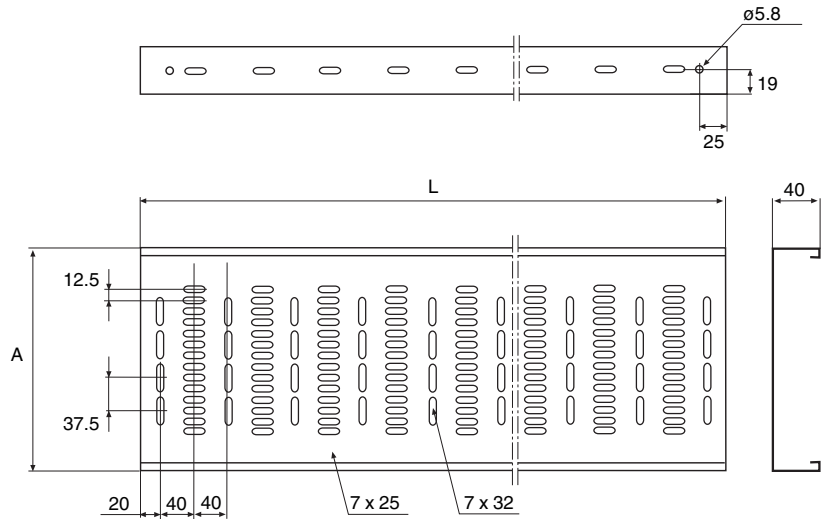
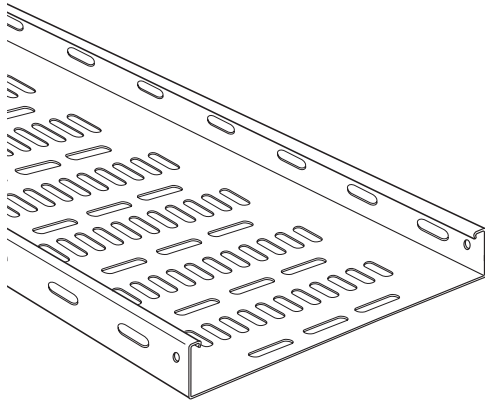
Installation summary see page 10–11.



	A	L	Plate thickness	Pre-galvanized	Pre-galv. +	Weight kg
	mm	mm	mm	Part. No. C*	Powder coated white	100 m
					Part. No. C*	
Cable tray W3/40 - 50	50	3000	1.0	735 388 0	735 917 2	97
Cable tray W3/40 - 70	70	3000	1.0	735 389 7	735 918 9	107
Cable tray W3/40 - 100	100	3000	1.0	735 390 3	735 919 6	137
Cable tray W3/40 - 150	150	3000	1.0	735 391 0	735 920 2	157
Cable tray W3/40 - 200	200	3000	1.0	735 392 7	735 921 9	196
Cable tray W3/40 - 300	300	3000	1.25	735 393 4	735 922 6	317
Cable tray W3/40 - 400	400	3000	1.25	735 394 1	735 923 3	390
Cable tray W3/40 - 500	500	3000	1.5	735 395 8	735 924 0	583
Cable tray W3/40 - 600	600	3000	1.5	735 396 5	735 925 7	680

* EAN-code = 732167 + Part.no + C (control figure)

Installation summary see page 10–11.

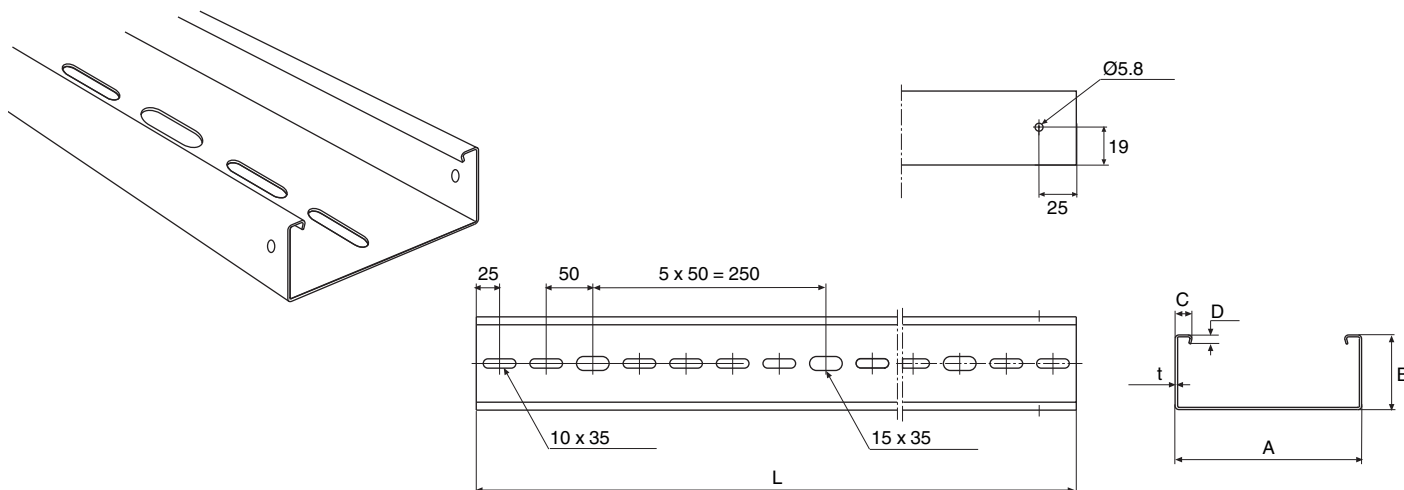


	A	L	Plate thickness	Hot dip galv.	Hot dip galv. + Powder coated white	Weight kg
	mm	mm	mm	Part. No. C*	Part. No. C*	100 m
Cable tray W3/40 - 50	50	3000	1.0	735 400 9	735 412 2	112
Cable tray W3/40 - 70	70	3000	1.0	735 401 6	735 413 9	123
Cable tray W3/40 - 100	100	3000	1.0	735 402 3	735 414 6	158
Cable tray W3/40 - 150	150	3000	1.0	735 403 0	735 415 3	181
Cable tray W3/40 - 200	200	3000	1.0	735 404 7	735 416 0	225
Cable tray W3/40 - 300	300	3000	1.25	735 405 4	735 417 7	365
Cable tray W3/40 - 400	400	3000	1.25	735 406 1	735 418 4	449
Cable tray W3/40 - 500	500	3000	1.5	735 407 8	735 419 1	670
Cable tray W3/40 - 600	600	3000	1.5	735 408 5	735 420 7	782

Lighting trunking W70

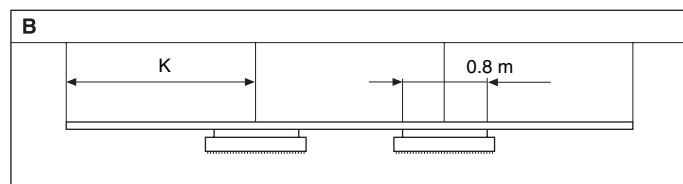
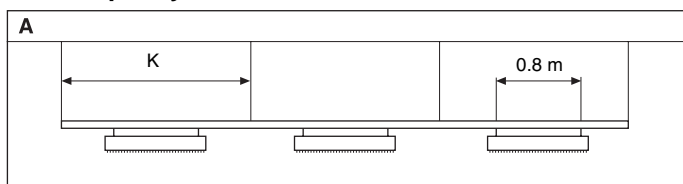
WEF-0001

Installation summary see page 10–11.

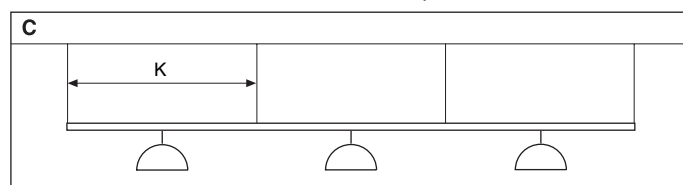


	A	B	C	D	t	L	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 m
	mm	mm	mm	mm	mm	mm			
Lighting trunking W70-40	40	22	10.5	6	1.5	2995	720 980 4	720 975 0	107
Lighting trunking W70-70	70	40	8.5	5	1	3000	720 792 3	720 976 7	125
Lighting trunking W70-100	100	40	8.5	5	1	3000	720 793 0	720 977 4	147
Lighting trunking W70-200	200	40	8.5	5	1	3000	720 794 7	720 978 1	220

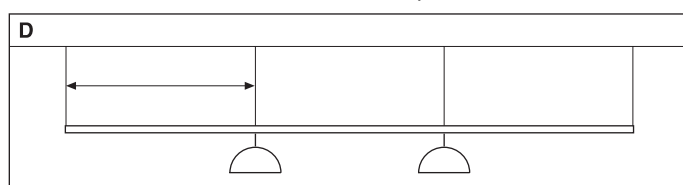
Load capacity



Downward deflection refers to outer compartment



Downward deflection refers to middle compartment



K = Bracket distance

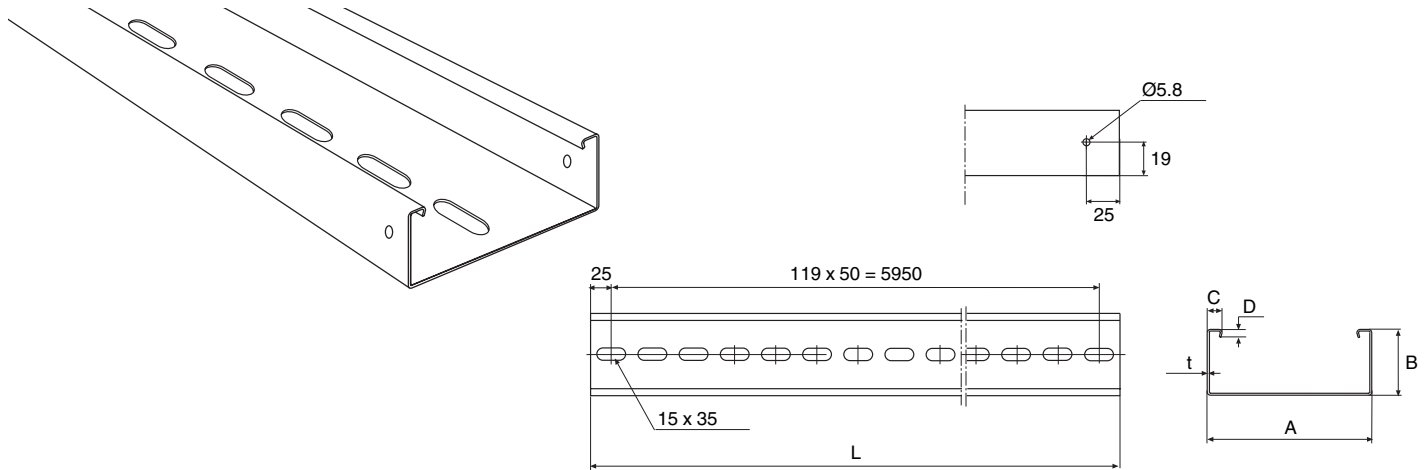
Installation method K = 1.5 m

Installation method K = 3 m suspended in joints

	Installation method K = 1.5 m				Installation method K = 3 m suspended in joints			
	Load kg		Deflection mm		Load kg		Deflection mm	
	W70-70/200	W70-40	W70-70/200	W70-40	W70-70/200	W70-40	W70-70/200	W70-40
A	25	20	1.5	2	25	10	15	15
	50	40	3.5	4.5	50	20	30	31
B	30	20	1	2.5	30	10	7	4
	60	40	2.5	5	60	20	14	8
C	20	20	2	3	20	10	13	19
	40	40	4	6.5	40	20	26	38
D	Breaking load for Support bracket/Joint W7-70 = 120 kg							

* EAN-code = 732167 + Part.no + C (control figure)

Installation summary see page 10–11.



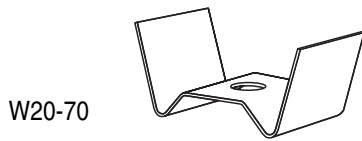
	A	B	C	D	t	L	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 m
	mm	mm	mm	mm	mm	mm			
Lighting trunking W71-70	70	40	8.5	6	1	6000	734 511 3	735 182 4	130
Lighting trunking W71-100	100	40	8.5	6	1	6000	734 512 0	735 183 1	153

Load capacity – see Lighting trunking W70, page 17.

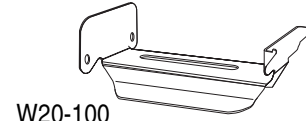
Support bracket W20

WEF-0001

For invisible installation of Lighting trunking W70/W71, width 70 and 100 mm. The support bracket is snapped firmly into the trunking. Pendant bolt M10 W76 is used.



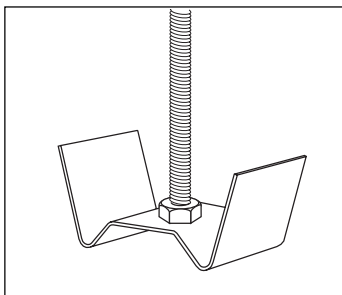
W20-70



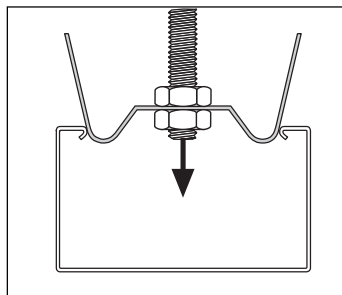
W20-100

	Pre-galvanized Part. No.	C*	Weight kg 100 pcs
Support bracket W20-70 (2 nuts M10 are included.)	720 973	6	9
Support bracket W20-100 (2 nuts M10 are included.)	721 943	8	13

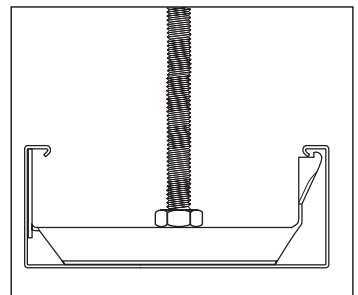
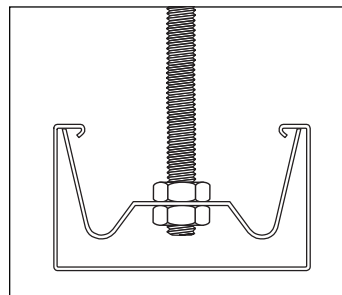
Use and installation



Support bracket W20-70 is mounted with Pendant bolt M10 W76 and two M10 nuts.



Lightly press down Support bracket W20-70 into Lighting trunking W70/W71-70.

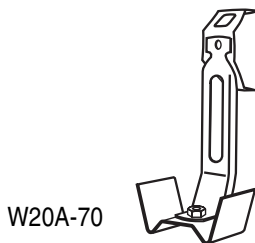


Support bracket W20-100 is mounted with Pendant bolt M10 W76 with 2 M10 nuts.

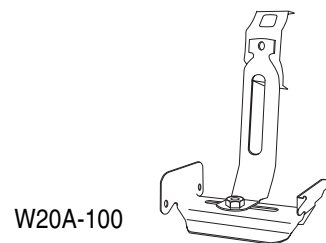
Support bracket W20A

WEF-0001

For invisible installation of Lighting trunking W70/W71, width 70 and 100 mm. Pendant bolt M10 W76 is used. The support bracket's spring locking device facilitates easy vertical adjustment.



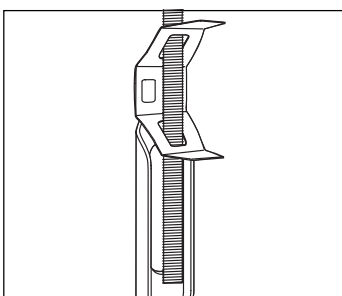
W20A-70



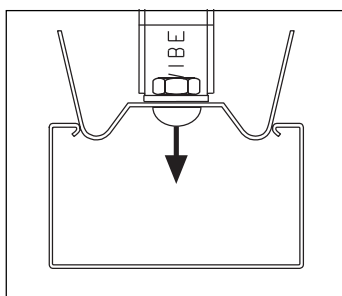
W20A-100

	Pre-galvanized Part. No.	C*	Pre-galv. + Powder coated white Part. No.	C*	Weight kg 100 pcs
Support bracket W20A-70	720 970	5	720 971	2	15
Support bracket W20A-100	721 180	7	721 181	4	20

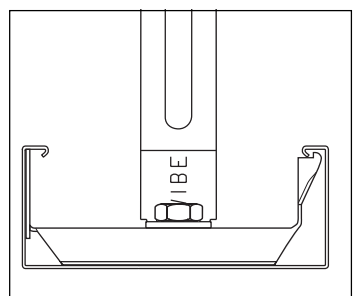
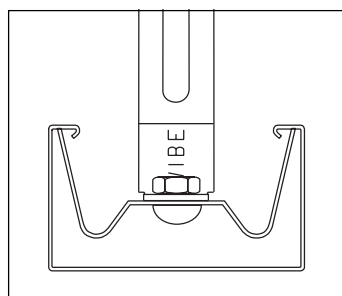
Use and installation



Support brackets W20A-70 and W20A-100 are mounted on Pendant bolt M10 W76. This enables simple vertical adjustment of ±30 mm.



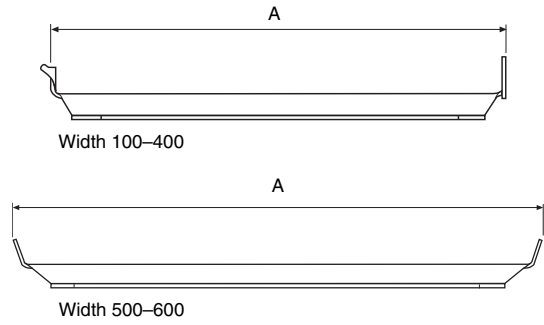
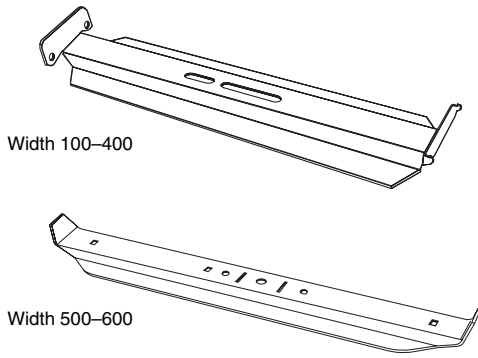
Lightly press down Support bracket W20A-70 into Lighting trunking W70/W71-70.



Support bracket W20A-100 is easily snapped firmly into Lighting trunking W70/W71-100.

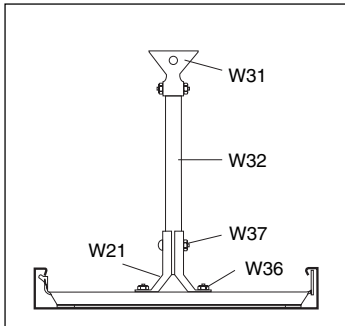
* EAN-code = 732167 + Part.no + C (control figure)

For installation inside Cable trays W1 and W3.

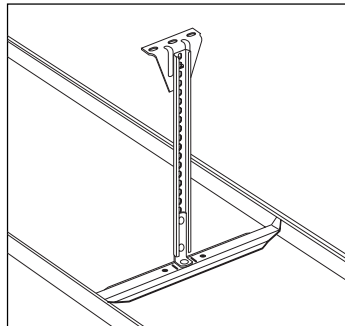


	A mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Support bracket W1940-100	90	718 711 9	734 452 9	720 501 1	11
Support bracket W1940-200	190	734 401 7	734 453 6	720 502 8	22
Support bracket W1940-300	289	734 402 4	734 454 3	720 503 5	50
Support bracket W1940-400	389	734 403 1	734 455 0	720 504 2	68
Support bracket W1940-500	497	720 998 9	734 456 7	723 894 1	81
Support bracket W1940-600	597	723 185 0	734 457 4	723 895 8	99

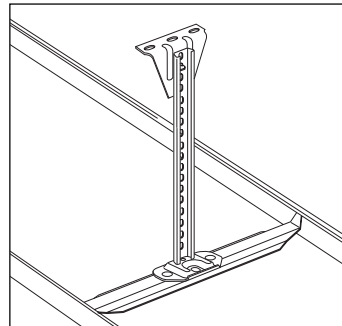
Use and installation



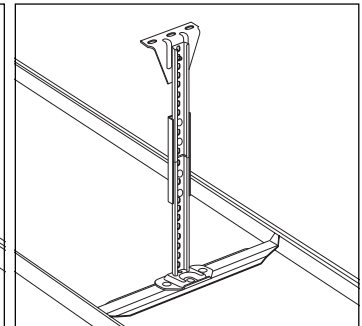
Tray W1 and W3 with widths of 200 to 400 are mounted with suitable Support bracket W1940 and Pendant rail W32, Pendant attachment W21 and Screw set W37.



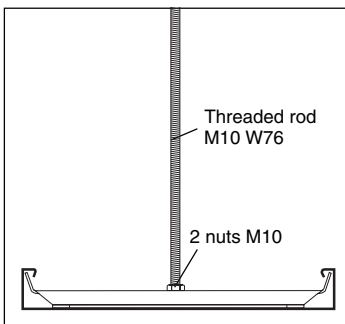
Support bracket W1940 mounted with Ceiling bracket 5, Pendant/Fixing rail 24/34 and Angle bracket W8S. Screw set 22S must be used. For cable trays with width 500 and 600.



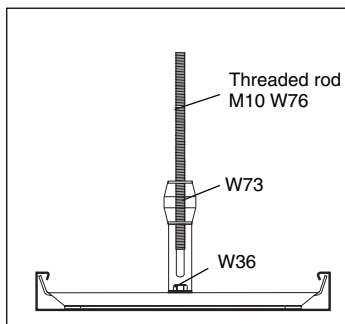
Support bracket W1940 mounted on Vertical piece 2 and Ceiling bracket 5. Screw set 22S must be used. For cable trays with width 500 and 600.



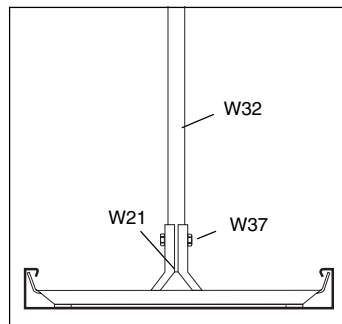
Support bracket W1940 can be mounted with Vertical piece 2 + Pendant joint 2J + Pendant/Fixing rail 24/34 and Ceiling bracket 5. Screw set 22S must be used. For cable trays with width 500 and 600.



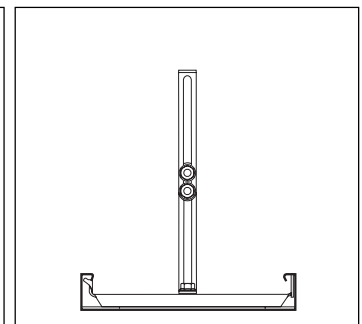
Alternatively, Tray W1 and W3 with widths 500 and 600 can be installed with suitable Support bracket W1940, with Pendant M10 and 2 M10 Nuts.



Alternatively, Tray W1 and W3 with widths 500 and 600 can be installed with suitable Support bracket W1940, with Threaded rod M10 W76 and Tube pendant attachment W73.



Alternatively, Tray W1 and W3 with widths 500 and 600 can be installed with suitable Support bracket W1940, with Pendant rail W32, Pendant attachment W21 and Screw set W37.

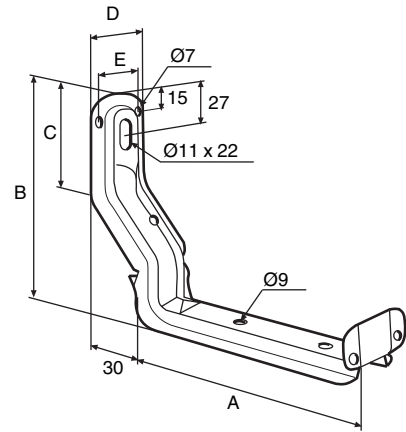
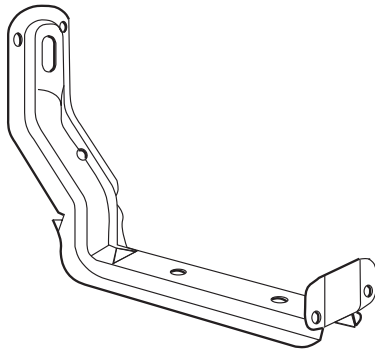


Tray W1 and W3 can be mounted on suitable Support bracket W1940 and 2 End bracket WN17 as pendant. The end brackets are joined with 2 Screw sets 22S and can be adjusted in height. The pendant can be mounted in the support bracket with 1 Screw set W36.

Internal cantilever arm W17

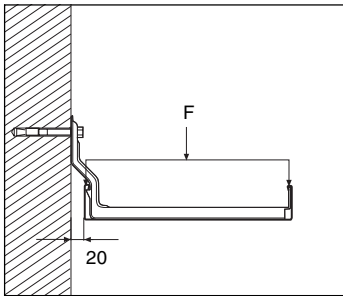
WEF-0001

For invisible mounting. The Cantilever arm W17 is mounted in the tray and on the wall with an Expansion-shell bolt or on Vertical piece 2F with a T-bolt. The distance between wall or Vertical piece 2F to tray is approx. 20 mm.



	A	B	C	D	E	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv + Powder coated white Part. No. C*	Weight kg 100 pcs
	mm	mm	mm	mm	mm				
Internal cantilever arm W17-100	89	140	70	55	42	716 911 5	734 572 4	716 915 3	16
Internal cantilever arm W17-200	189	140	70	55	42	716 912 2	734 573 1	716 916 0	35
Internal cantilever arm W17-300	289	165	95	75	55	716 913 9	734 574 8	716 917 7	80
Internal cantilever arm W17-400	389	165	95	75	55	716 914 6	734 575 5	716 918 4	100

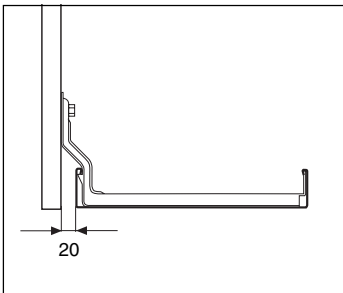
Loading table for Internal cantilever arm W17 on wall



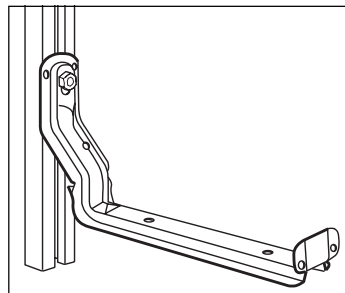
Mounted onto wall with Expansion-shell bolt.
Breaking load for cantilever arm mounted onto wall – see below.

Type of cantilever arm	Max load F at 3° deflection of cantilever arm		Deflection in mm at 3° deflection of cantilever arm	Breaking load	
	kN	kg		kN	kg
W17-100	1.0	100	5.2	3.0	300
W17-200	0.8	80	10.5	2.0	200
W17-300	1.1	110	15.7	3.0	300
W17-400	1.0	100	20.9	2.0	200

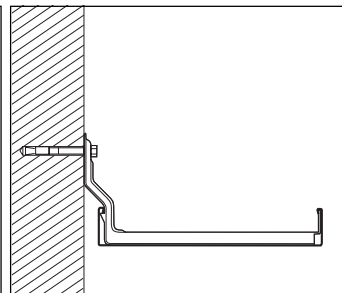
Use and installation



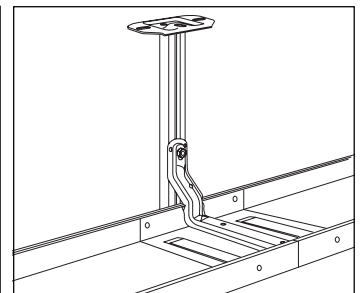
Internal cantilever arm W17 is mounted on Vertical piece 2F using a T-bolt.



When mounting an Internal cantilever arm W17 on a porous wall or when surface pressure must be reduced use Mounting rail 40.



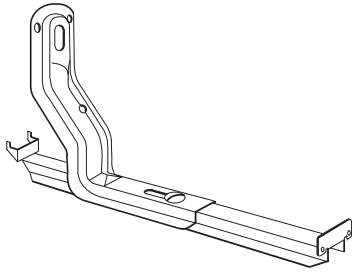
The Internal cantilever arm W17 is mounted onto the wall with an Expansion-shell bolt.



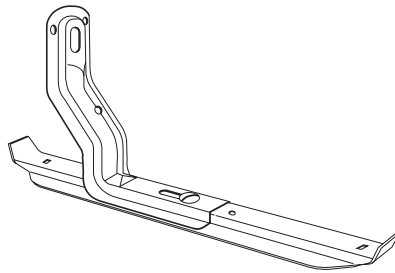
Internal cantilever arm W17 can be mounted right over support bracket/joint.

* EAN-code = 732167 + Part.no + C (control figure)

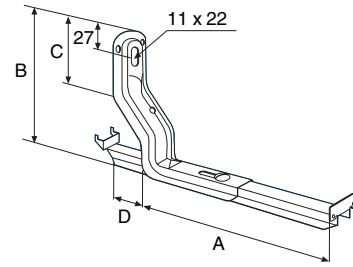
For installation inside Cable trays W1 or W3. The cantilever arm can be adjusted to a max. distance of 50 mm from wall.



W1840 100-400

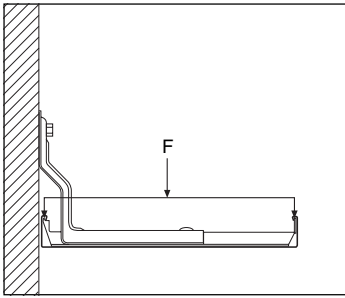


W1840 500-600



	A mm	B mm	C mm	D mm	Pre-galvanized		Hot dip galv.		Pre-galv. + Powder coated white		Weight kg 100 pcs
					Part. No.	C*	Part. No.	C*	Part. No.	C*	
Adjustable cantilever arm W1840-100	88	160	70	0-25	718 360	9	734 578	6	720 270	6	35
Adjustable cantilever arm W1840-200	188	160	70	0-50	718 361	6	734 579	3	720 271	3	45
Adjustable cantilever arm W1840-300	287	185	95	0-50	718 362	3	734 580	9	720 272	0	110
Adjustable cantilever arm W1840-400	387	185	95	0-50	718 363	0	734 581	6	720 273	7	130
Adjustable cantilever arm W1840-500	488	185	95	0-50	720 992	7	734 582	3	721 072	5	140
Adjustable cantilever arm W1840-600	588	185	95	0-50	723 183	6	734 583	0	723 184	3	160

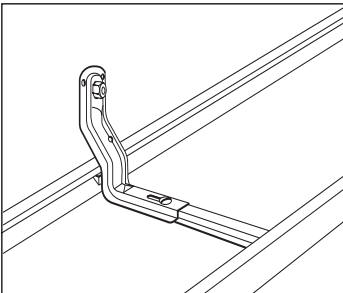
Loading table for Adjustable cantilever arm W1840 on wall



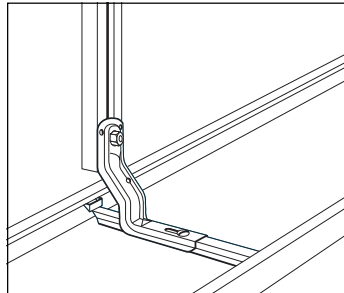
Mounted onto wall with Expansion-shell bolt.
Breaking load for cantilever arm mounted onto wall – see below.

Type of cantilever arm	Max load F at 3° deflection of cantilever arm		Deflection in mm at 3° deflection of cantilever arm	Breaking load	
	kN	kg		kN	kg
W1840-100	1.0	100	5.2	3.0	300
W1840-200	0.8	80	10.5	2.0	200
W1840-300	1.1	110	15.7	3.0	300
W1840-400	1.0	100	20.9	2.0	200
W1840-500	0.65	65	26	1.3	130
W1840-600	0.5	50	31.5	1.0	100

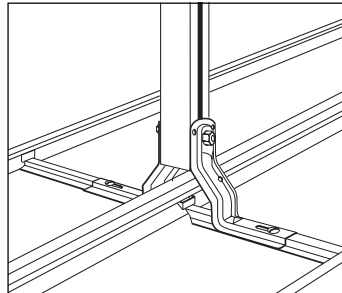
Use and installation



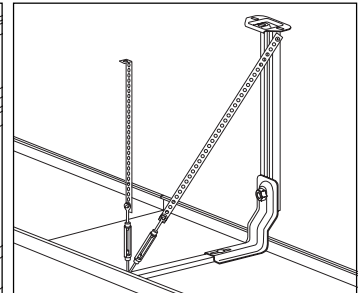
Mounting directly onto wall. At this type of installation the adjusting allowance of the tray is limited.



Mounting on Vertical piece 2F using T-bolt. The Cantilever arm W1840 can be adjusted to a max. of 50 mm.



Mounting of two adjustable cantilever arms on the same Vertical piece.



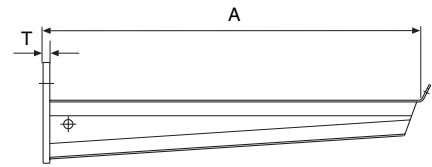
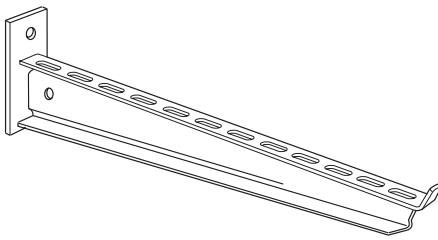
When mounting cable trays - width 500-600 mm – it might be necessary with a reinforcement of the cantilever arm. Installation band and stretching screw can be used for mounting in ceiling or on a vertical piece.

* EAN-code = 732167 + Part.no + C (control figure)

Cantilever arm 50L and 50

WEF-0001

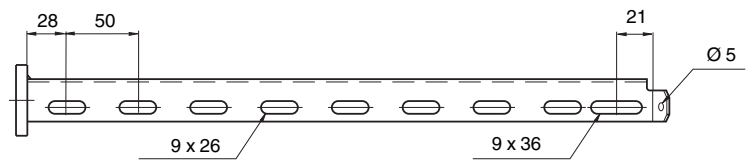
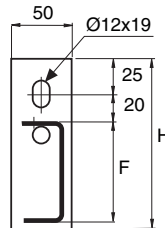
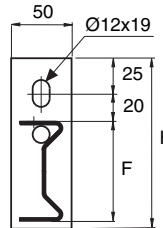
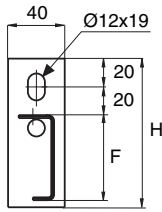
For mounting on walls, pendant/fixing rails or vertical pieces.



50L, 50/100-300

50L, 50/400-600

50/700-1000

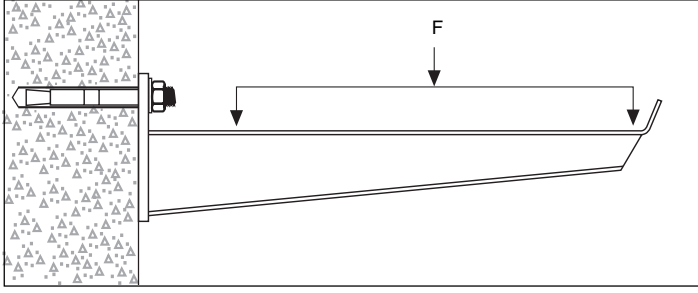


	A	F	H	T	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Hot dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
	mm	mm	mm	mm				
Cantilever arm 50L/100	150	34	85	4	725 105 6		725 113 1	24
Cantilever arm 50L/150	200	36	85	4	725 106 3		725 114 8	28
Cantilever arm 50L/200	250	39	85	4	725 107 0		725 115 5	34
Cantilever arm 50L/250	298	56	105	4	725 108 7		725 116 2	46
Cantilever arm 50L/300	348	60	105	4	725 109 4		725 117 9	54
Cantilever arm 50L/400	447	70	120	5	725 110 0		725 118 6	103
Cantilever arm 50L/500	548	77	140	6	725 111 7		725 119 3	160
Cantilever arm 50L/600	646	84	150	6	725 112 4		725 120 9	191
Cantilever arm 50/100	150	34	85	4	723 432 5	725 618 1	723 440 0	24
Cantilever arm 50/150	200	36	85	4	723 433 2	725 619 8	723 441 7	28
Cantilever arm 50/200	250	39	85	4	723 434 9	725 620 4	723 442 4	34
Cantilever arm 50/250	300	56	105	6	723 435 6	725 621 1	723 443 1	52
Cantilever arm 50/300	350	60	105	6	723 436 3	725 622 8	723 444 8	60
Cantilever arm 50/400	450	70	120	8	723 437 0	725 623 5	723 445 5	118
Cantilever arm 50/500	550	77	140	8	723 438 7	725 624 2	723 446 2	172
Cantilever arm 50/600	650	84	150	10	723 439 4	725 625 9	723 447 9	215
Cantilever arm 50/700	750	90	150	10	727 125 2		727 782 7	270
Cantilever arm 50/800	850	95	160	10	727 126 9		727 783 4	310
Cantilever arm 50/900	950	100	160	10	727 127 6		727 784 1	350
Cantilever arm 50/1000	1050	105	170	10	727 128 3		727 785 8	390

* EAN-code = 732167 + Part.no + C (control figure)

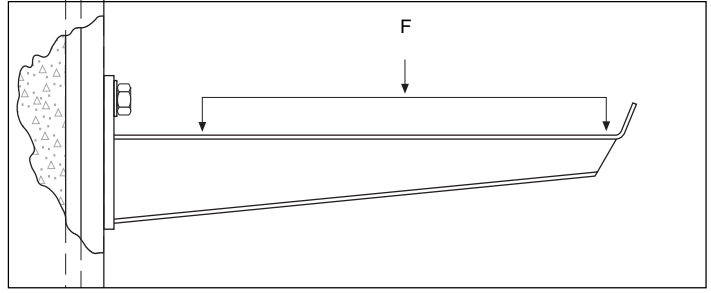
Cantilever arm 50L and 50

Use and installation



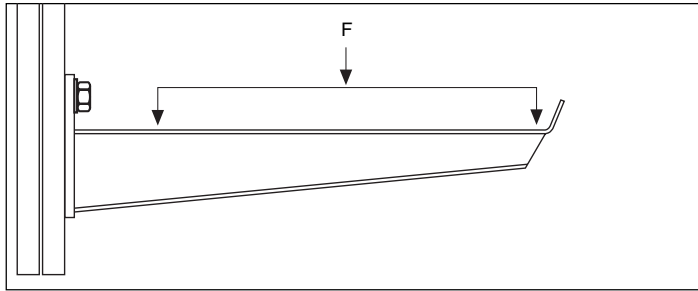
Installation of a Cantilever arm 50 to a wall using an Expansion-shell bolt.

Breaking load F, se table below.



Installation of a Cantilever arm 50 using a T-bolt on pendant/fixing rails mounted on the wall.

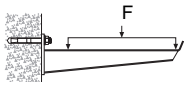
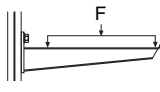
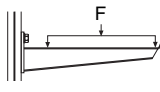
Breaking load F, se table below.



Installation of Cantilever arm 50 using T-bolt with vertical pieces.

Breaking load F, se table below.

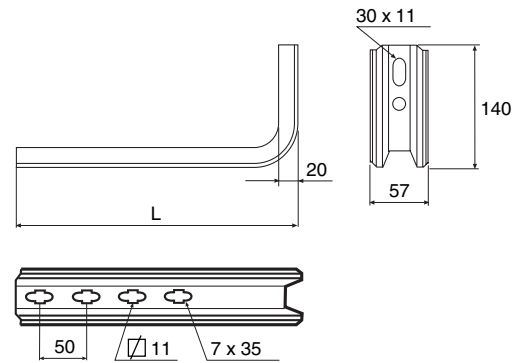
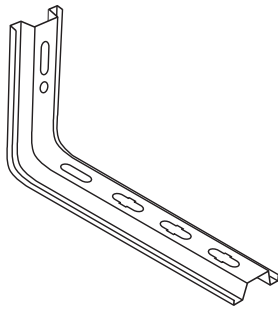
Breaking load F

Type of cantilever arm	 Mounted on wall		 Mounted on P/F rail with T-bolt 26F		 Mounted on P/F rail with T-bolt 26	
	kN	kg	kN	kg	kN	kg
50L/100	1.5	150	1.5	150	1.5	150
50L/150	1.5	150	1.5	150	1.5	150
50L/200	1.5	150	1.5	150	1.5	150
50L/250	2.0	200	2.0	200	2.0	200
50L/300	2.0	200	2.0	200	2.0	200
50L/400	3.0	300	3.0	300	3.0	300
50L/500	3.0	300	3.0	300	3.0	300
50L/600	3.0	300	3.0	300	3.0	300
50/100	3.0	300	3.0	300	3.0	300
50/150	3.0	300	3.0	300	3.0	300
50/200	2.5	250	2.5	250	2.5	250
50/250	4.0	400	4.0	400	3.5	350
50/300	4.0	400	4.0	400	3.0	300
50/400	7.0	700	7.0	700	4.5	450
50/500	7.0	700	7.0	700	4.5	450
50/600	7.0	700	7.0	700	4.0	400
50/700	6.0	600	5.5	550	4.0	400
50/800	5.5	550	5.2	520	3.8	380
50/900	5.3	530	4.8	480	3.5	350
50/1000	5.0	500	4.2	420	3.4	340

Cantilever arm 70

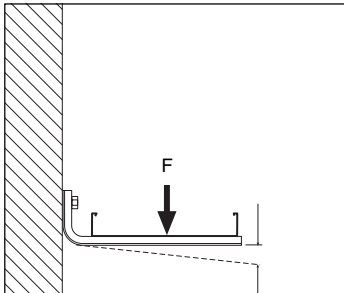
WEF-0001

For Cable trays W1, W3, Mesh trays WN62 and installation tray W4.



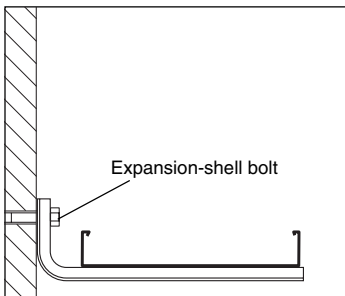
	L mm	Pre-galvanized		Hot dip galv.		Stainless steel (AISI 316)		Pre-galv. + Powder coated white		Weight kg 100 pcs
		Part. No.	C*	Part. No.	C*	Part. No.	C*	Part. No.	C*	
Cantilever arm 70/100	148	727 972	2	727 973	9	726 234	2	727 974	6	32
Cantilever arm 70/200	248	727 975	3	727 976	0	726 235	9	727 977	7	44
Cantilever arm 70/300	348	727 978	4	727 979	1	726 236	6	727 980	7	56
Cantilever arm 70/450	448	727 981	4	727 982	1	726 237	3	727 983	8	68
Cantilever arm 70/600	648	727 984	5	727 985	2	726 238	0	727 986	9	92

Loading table for Cantilever arm 70 on wall

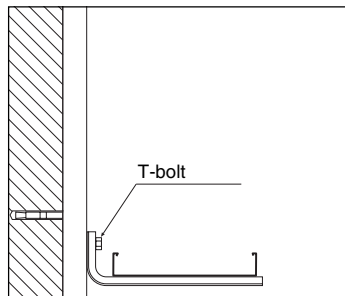


Type of cantilever arm	Max load F at 3° deflection of cantilever arm		Deflection in mm at 3° deflection of cantilever arm	Breaking load	
	kN	kg		kN	kg
70/100	1.8	180	7	3.6	360
70/200	1.2	120	12	2.4	240
70/300	1.0	100	17	2.0	200
70/450	0.7	70	22	1.4	140
70/600	0.45	45	33	0.9	90

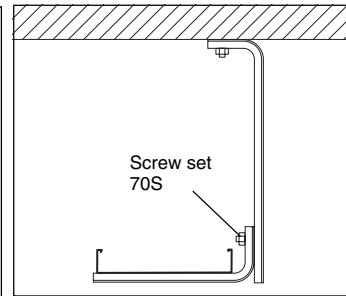
Use and installation



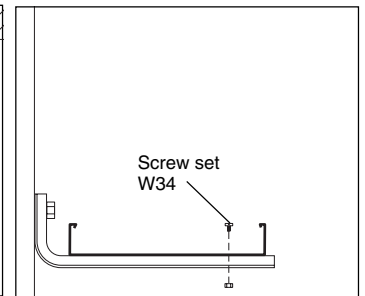
Cantilever arm 70 is mounted on wall with Expansion-shell bolt.



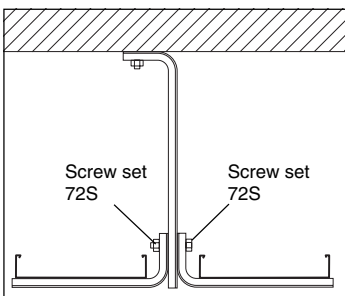
Cantilever arm 70 is mounted on pendant/fixing rail or Fixing rail for casting-in with T-bolt 26F-40.



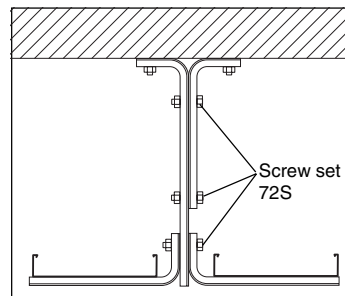
Cantilever arm 70 can be mounted as a vertical piece. Use Screw set 70S for mounting of Cantilever arm 70 on vertical piece.



Tray W3 and Installation tray W4 are bolted tight using Screw set W34.



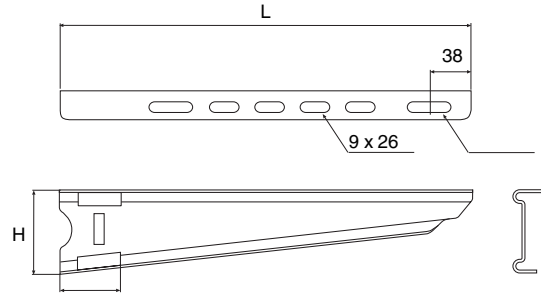
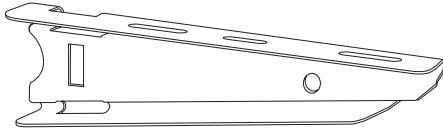
Cantilever arm 70 can be mounted as vertical piece for two equilaterally mounted cantilever arms. Use Screw set 72S.



Using 4 Cantilever arms 70 you can also achieve a "reinforced" installation.

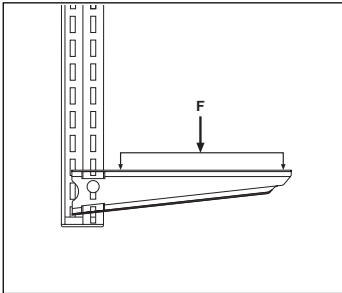
Cantilever arm 80

For installation of Cable trays W1 and W3 as well as mesh trays.
The cantilever arm can be mounted on Vertical piece 7 or Wall bracket 80.

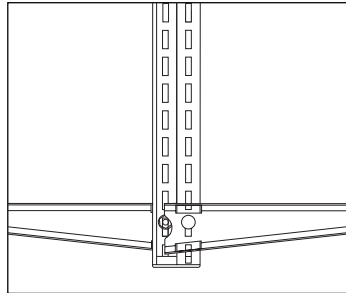


	L mm	H mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Weight kg 100 pcs
Cantilever arm 80/100	155	70	730 448 6	732 124 7	12
Cantilever arm 80/150	205	70	730 449 3	732 125 4	16
Cantilever arm 80/200	255	70	730 450 9	732 126 1	20
Cantilever arm 80/250	305	70	730 451 6	732 127 8	28
Cantilever arm 80/300	355	70	730 452 3	732 128 5	35
Cantilever arm 80/400	455	80	730 453 0	732 129 2	50
Cantilever arm 80/500	555	90	730 454 7	732 130 8	65
Cantilever arm 80/600	655	100	730 455 4	732 131 5	110

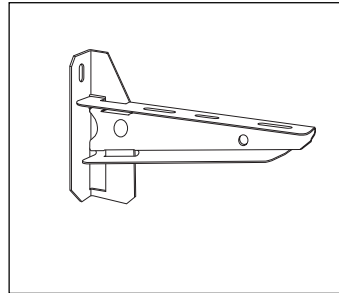
Use and installation



Cantilever arm 80 mounted on Vertical piece 7 with Screw set 22S. Infinitely adjustable along the Vertical piece 7.
Breaking load see loading table below.






Cantilever arm 80 can also be mounted on both sides of Vertical piece 7 at the same level.



When mounting Cantilever arm 80 on wall, Wall bracket 80 shall be used together with Screw set 22S.
Breaking load see loading table below.

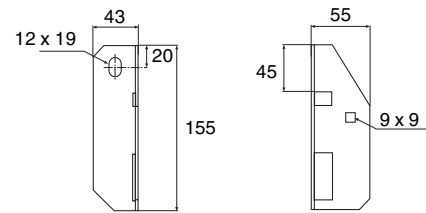
Breaking load F

Type of cantilever arm	 Mounted on Wall bracket 80		 Mounted at the end of Vertical piece 7 with End plug 7		 Mounted along the Vertical piece 7	
	kN	kg	kN	kg	kN	kg
80/100	2.5	250	2.5	250	2.3	230
80/150	2.3	230	2.5	250	2.3	230
80/200	2.2	220	2.5	250	2.3	230
80/250	2.0	200	2.0	200	2.0	200
80/300	1.9	190	2.2	220	2.0	200
80/400	1.7	170	1.9	190	1.8	180
80/500	1.7	170	1.9	190	1.8	180
80/600	1.7	170	1.9	190	1.6	160

Wall bracket 80

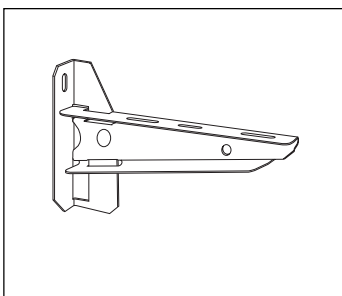
WEF-0001

For installation of Cantilever arm 80 on wall.
Fits all widths. (Screw set 22S not included.)



	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Weight kg 100 pcs
Wall bracket 80	729 216 5	733 209 0	23

Use and installation

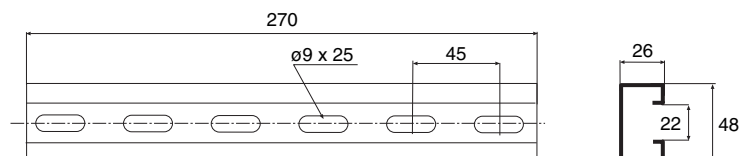
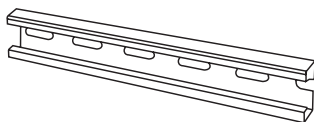


Wall bracket 80 must be mounted with Screw set 22S.
Breaking load see loading table for Cantilever arm 80.

Mounting rail 40

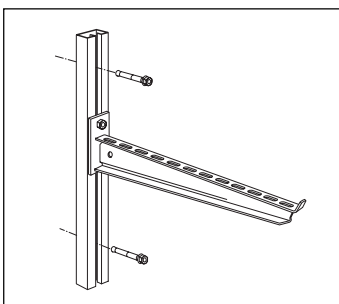
WEF-0001

Mounting rail 40 is installed between a cantilever arm and wall to reduce surface pressure on porous walls or to enable height adjustment of cantilever arms.

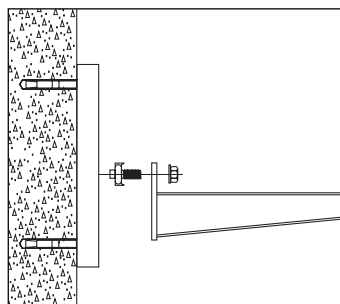


	Hot dip galv. Part. No. C*	Hot dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Mounting rail 40	717 001 2	717 006 7	56

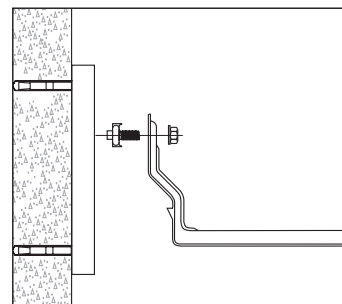
Use and installation



The mounting rail is installed between a cantilever arm and wall to reduce surface pressure on porous walls or to enable vertical adjustment of cantilever arms.



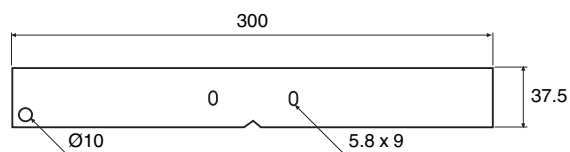
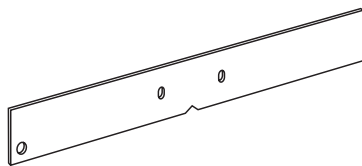
Cantilever arm 50 is installed using a T-bolt. The arm is adjustable vertically.



Internal cantilever arm W17 and Adjustable cantilever arm W1840 are mounted with T-bolt. The cantilever arm is vertically adjustable.

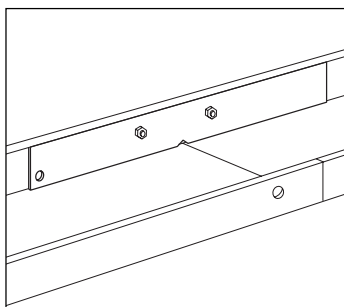
* EAN-code = 732167 + Part.no + C (control figure)

For straight joining of hot dip galvanized Cable trays W3.



	Hot dip galv.	Weight kg
Side joint W3	Part. No. C*	100 pcs
	730 191 1	19

Use and installation

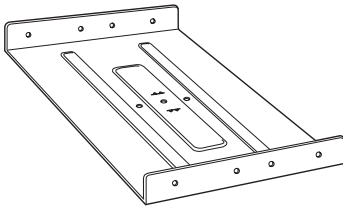


Side joint W3 for straight joining of hot dip galvanized Cable trays W3. 4 Screw sets W38 are required (not included).

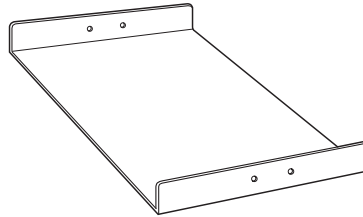
Support bracket/joint W7

WEF-0001

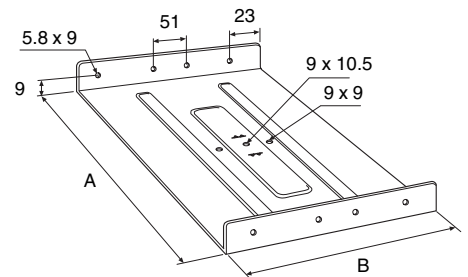
Used as a support bracket or joint for Tray W1 and W3 and for Lighting trunking W70/W71.



W7-70 to W7-400



W7-50 and W7-150
W7-500-600

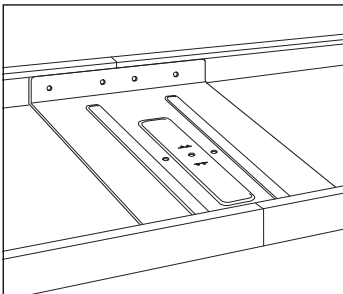


W70-40 see page 30.

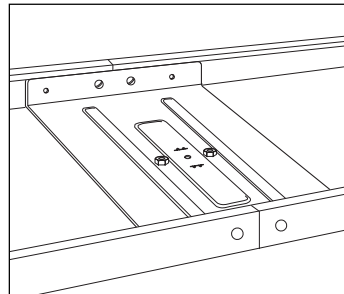
	A mm	B mm	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
W7-50	48	200	1.0	734 554 0	734 556 4		14
W7-70	68	200	1.0	720 825 8	734 557 1	720 826 5	16
W7-100	98	200	1.0	717 021 0	734 558 8	717 025 8	25
W7-150	148	200	1.0	734 555 7	734 559 5		35
W7-200	198	200	1.0	717 022 7	734 560 1	717 026 5	44
W7-300	297	300	1.25	717 023 4	734 561 8	717 027 2	110
W7-400	397	300	1.25	717 024 1	734 562 5	717 028 9	140
W7-500**	498	300	1.25	720 990 3	734 563 2	721 071 8	170
W7-600**	598	300	1.25	723 180 5	734 564 9	723 181 2	200

** Cannot be used as support bracket

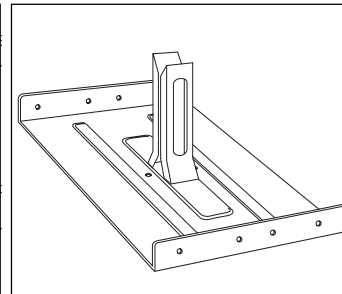
Use and installation



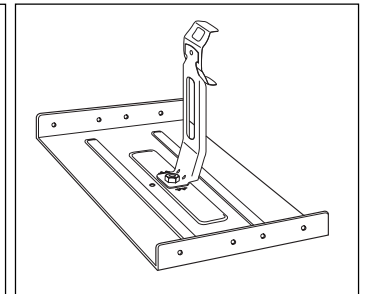
Support bracket/joint W7 is used for straight joining and push-in mounting



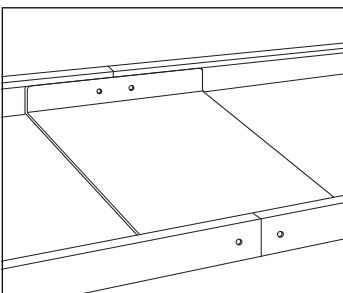
If necessary trays and lighting trunkings are locked using Screw set W38/W38P or Locking plug W41.



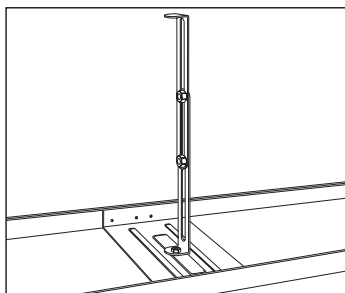
With Pendant attachment W21 installed a complete Support bracket is obtained. Does not apply to W7-70.



Tube pendant attachment W73 or the one half of Pendant attachment W21 are mounted with Screw set W36.

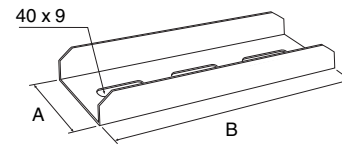
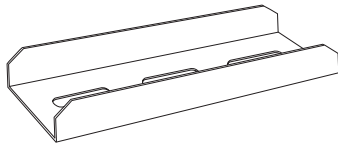


W7-50, 150, 500 and 600 are only used for joining, not as support brackets.



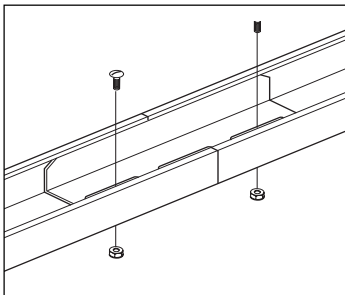
End bracket WN17 can be used as vertical piece on support bracket/joint W7 mounted with Screw set W36.

Used for joining Lighting trunking W70-40. The Joint W7-40 is locked using Screw set W36 at the bottom of the trunking.



	A mm	B mm	Plate thickness mm	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Joint W7-40	36	180	1.5	718 480 4	718 481 1	13

Use and installation



The Joint W7-40 is locked using Screw set W36 at the bottom of the trunking.

Pendant attachment W21

WEF-0001

Mounted in Support bracket/joint W7 etc.

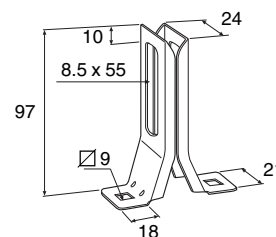
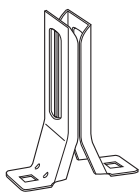
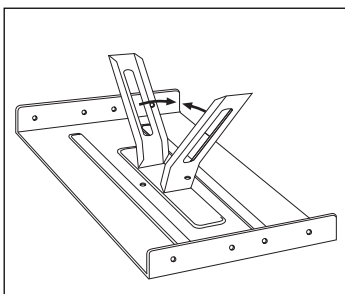
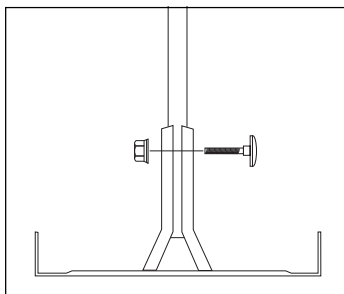


	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Pendant attachment W21	2	716 630 5	734 618 9	725 585 6	716 681 3	12

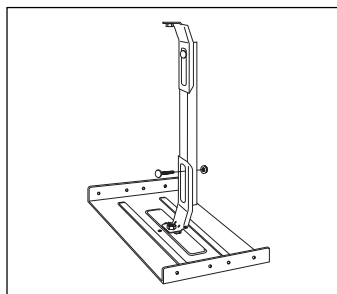
Use and installation



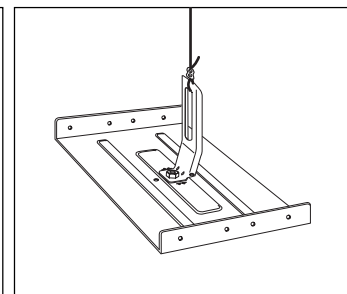
The Pendant attachment W21 is inserted into the slits in the Support bracket/joint W7 (W7-100-400). Does not apply to W7-50/150/500/600.



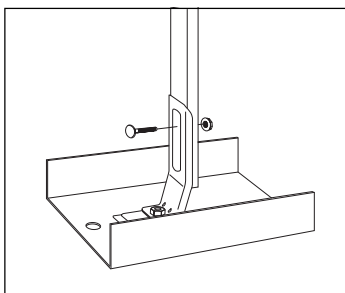
The required length of Pendant rail W32 is mounted in the Pendant attachment W21 with Screw set W37. Adjustable to ± 30 mm.



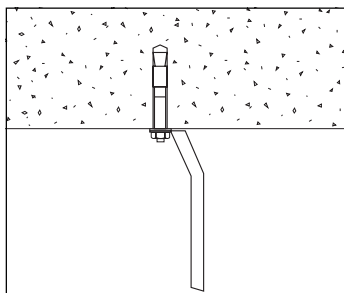
For lighter installations with small loads, only one half of the Pendant attachment W21 is mounted in Support bracket W7 with Screw set W36. The second part of the Pendant attachment W21 is used as a ceiling bracket. The Pendant rail W32 is mounted using Screw set W37.



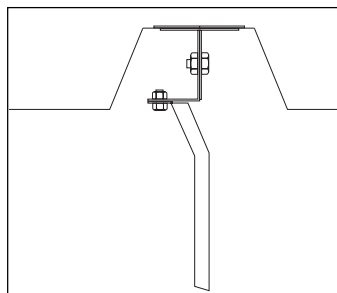
When mounting with wire, only one half of the Pendant attachment W21 is mounted in Support bracket/joint W7 using Screw set W36. The wire is mounted through the oval hole and locked with a wire lock.



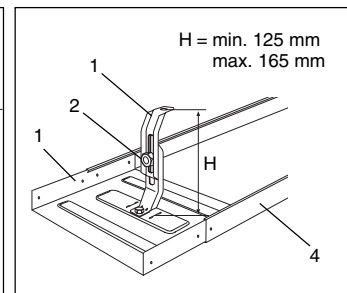
When mounting tray or Lighting trunking W70/W71, the one half of the Pendant attachment W21 is mounted directly in Support bracket/joint W7 with Screw set W36. The Pendant rail W32 is mounted with Screw set W37.



In concrete ceilings the Pendant attachment W21 is mounted with Expansion-shell bolts.

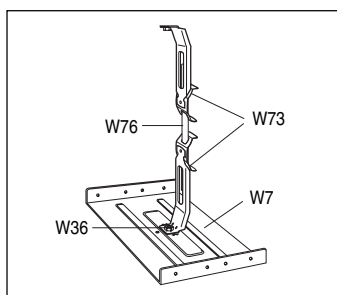
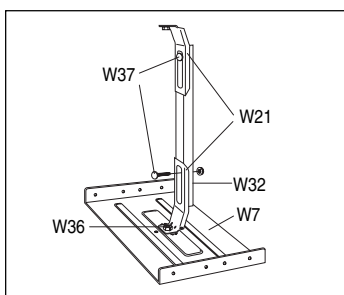
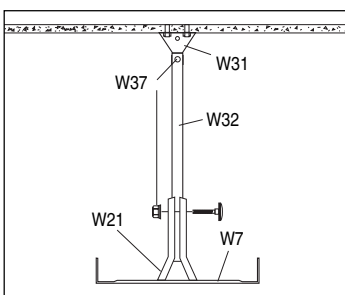


In metal plate ceilings, the Pendant attachment W21 is mounted with Ogebe fixing type ED. Use Screw set W36.



1. Pendant attachment W21
2. Screw set W36
3. Support bracket W7
4. Cable tray/Lighting trunking

Ceiling installation with cable tray/lighting trunking



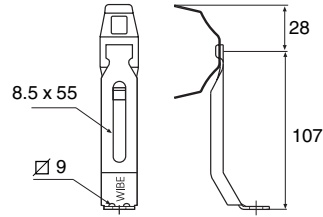
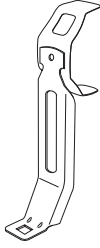
W7 = Support bracket/joint
W21 = Pendant attachment
W31 = Ceiling attachment
W32 = Pendant rail
W36 = Screw set
W37 = Screw set
W73 = Tube pendant attachment
W76 = Pendant bolt M10

* EAN-code = 732167 + Part.no + C (control figure)

Tube pendant attachment W73

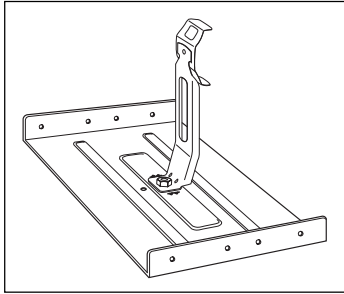
WEF-0001

Used for mounting of Pendant bolt M10 W76 in ceilings and trays.

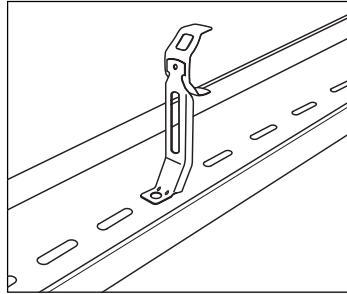


	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Tube pendant attachment W73	716 634 3	734 621 9	716 859 0	7

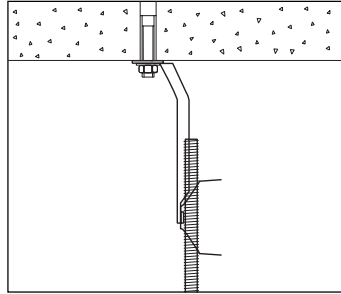
Use and installation



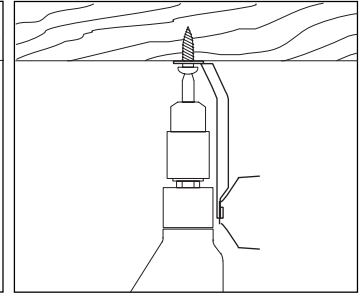
The Tube pendant attachment W73 is mounted in Support bracket/joint W7 with Screw set W36.



The Tube pendant attachment W73 can also be mounted directly in the lighting trunking using Screw set W36.



Pendant bolt M10 W76 is easily mounted in the spring clasp without screws. Simple adjustment up to ± 30 mm. Mounted in concrete ceilings with Expansion-shell bolt.

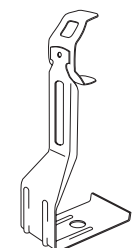


Mounted in wood with self-drilling screws.

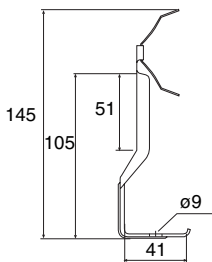
Pendant bracket W80

WEF-0001

The Pendant bracket W80 is mounted under Lighting trunking W70-40 and is fastened with Screw set W36. The Pendant bolt M10 W76 is easily mounted in the spring lock without bolts. Adjustable to ± 30 mm.



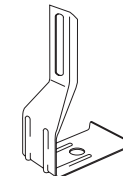
W80



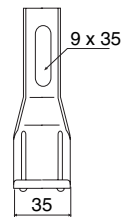
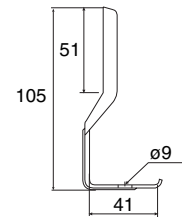
Pendant bracket W81

WEF-0001

The Pendant bracket W81 for installation under Lighting trunking W70-40 and is fastened with Screw set W36. Pendant rail W32 is mounted using Screw set W37. Adjustable to ± 18 mm.

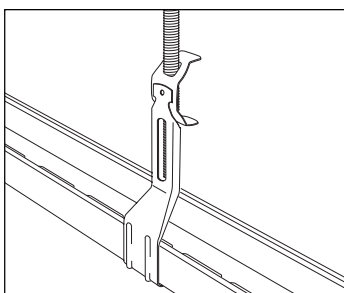


W81

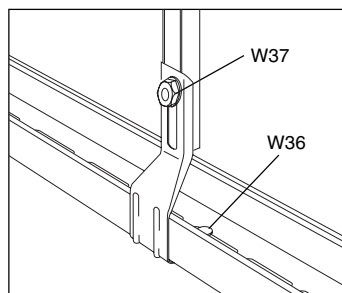


	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Pendant bracket W80	718 474 3	718 475 0	9
Pendant bracket W81	718 477 4	718 478 1	8

Use and installation



Pendant bracket W80 for pipe is mounted under Lighting trunking W70-40 and attached with Screw set W36. Pendant bolt W76 is easily mounted in the spring clasp without bolts. Adjustable to ± 30 mm.



Pendant bracket W81 is mounted under Lighting trunking W70-40 and is attached with Screw set W36. Pendant rail W32 is mounted using Screw set W37. Adjustable to ± 18 mm.

Ceiling bracket 7

WEF-0001

To be used with Pendant/Fixing rail 7/7L to form vertical pieces on site.

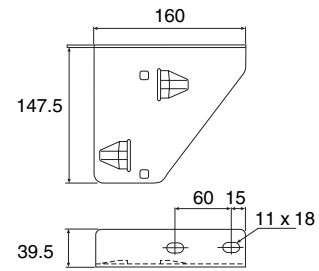
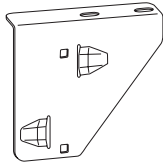
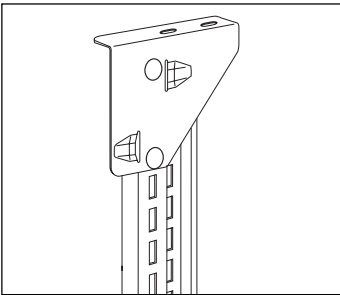


	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Weight kg 100 pcs
Ceiling bracket 7	2.5	734 331 7	734 458 1	40

Use and installation



Using Ceiling bracket 7 together with Pendant/Fixing rail 7/7L makes it possible to produce vertical pieces in different lengths on site. Use 2 Screw sets 22S.

Ceiling attachment W31

WEF-0001

Ceiling attachment W31 for Pendant rail W32.

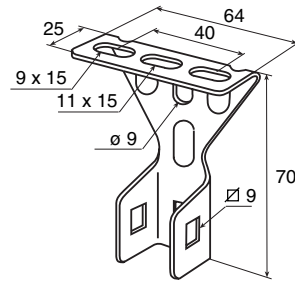
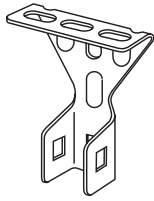
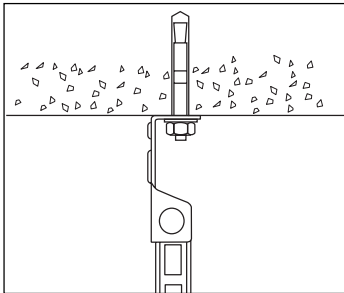
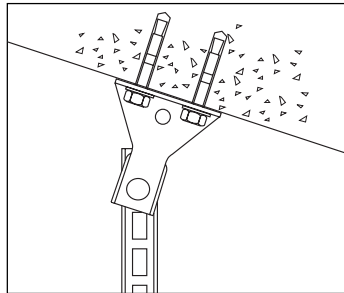


	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Ceiling attachment W31	2	716 816 3	734 619 6	725 583 2	716 863 7	6.5

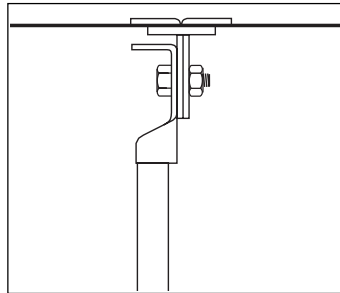
Use and installation



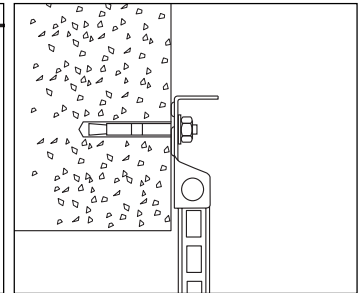
The Ceiling attachment W31 is mounted in concrete ceilings with one or two Expansion-shell bolts. Pendant rail W32 is mounted with Screw set W37. The Ceiling attachment W31 can be rotated 90°.



The Ceiling attachment W31 can be mounted directly in a slanted ceiling with Screw set W37.



The Ceiling attachment W31 can be mounted directly in TP ceilings using an Ogebe fixing type E.

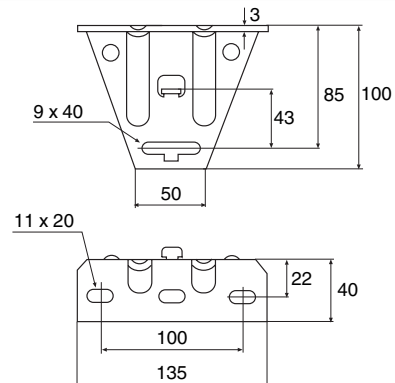
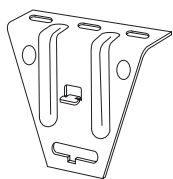


The Ceiling attachment W31 can be mounted onto a concrete beam with Expansion-shell bolts.

Ceiling bracket 5

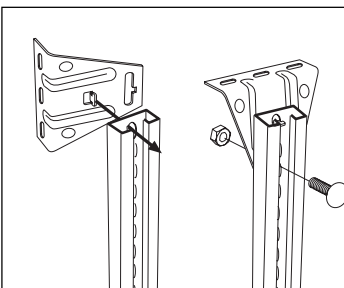
WEF-0001

Can be used together with Pendant/fixing rails 24/34.



	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Hot dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Ceiling bracket 5	721 101 2	718 640 2	725 573 3	716 293 2	35

Use and installation



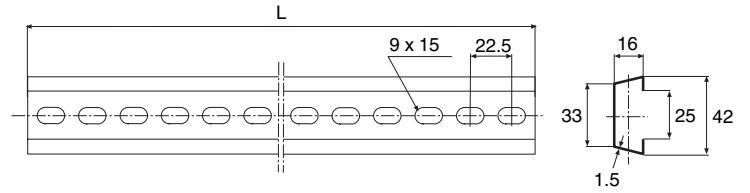
Ceiling bracket 5 is installed against the back of the pendant rail by turning the bracket 90° and by pushing the lip into the hole of the rail. Next the bracket is turned back again and fastened in the desired position with 1 Screw set 22S.

When installing against a horizontal ceiling the bolt must be locked in the recess in the slot for better stability sideways. Ceiling bracket 5 can be angled max. 20° to the horizontal.

Pendant/Fixing rail 24/34

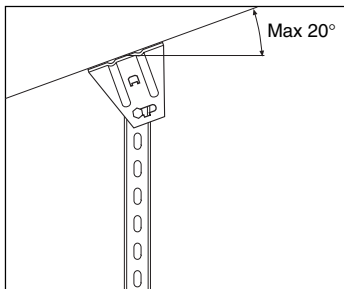
WEF-0001

For mounting together with Ceiling bracket 5 to provide vertical pieces.

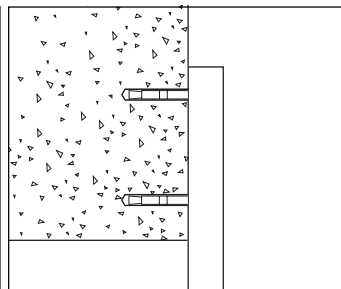


	L mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Hot dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Pendant/Fixing rail 24/34	292.5	725 357 9		725 574 0		23
Pendant/Fixing rail 24/34	382.5	725 358 6		725 575 7		31
Pendant/Fixing rail 24/34	495	725 359 3		725 576 4		40
Pendant/Fixing rail 24/34	697.5	725 360 9		725 577 1		56
Pendant/Fixing rail 24/34	990	725 361 6		725 578 8		80
Pendant/Fixing rail 24/34	2970	721 102 5	715 879 9	725 579 5	716 309 0	240

Use and installation



Ceiling bracket 5 and 1 Screw set 22S together provide a vertical piece that can be mounted with up to 20° slope.



Side mounting of pendant/fixing rails may be done using 2 Expansion-shell bolts.

Used with Ceiling bracket 7 to form vertical pieces on site. End plug 7 must be used in Pendant/Fixing rail 7.

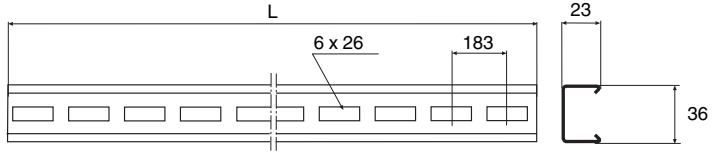
Pendant/Fixing rail 7L



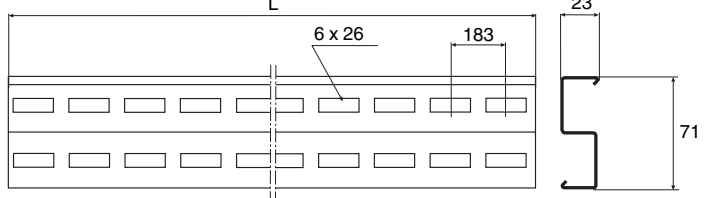
Pendant/Fixing rail 7



7L

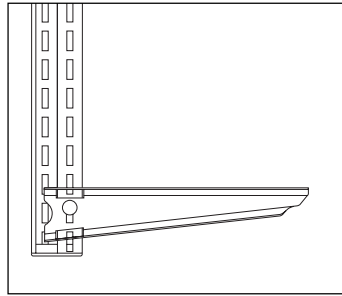
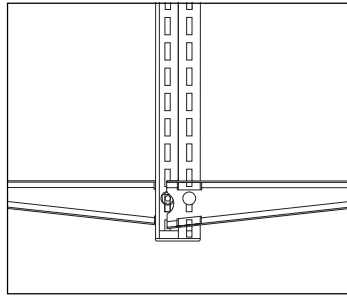
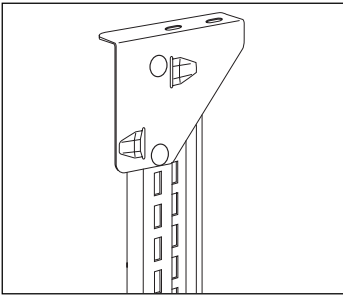


7



	L mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Weight kg 100 pcs
Pendant/Fixing rail 7L	3020		735 432 0	360
Pendant/Fixing rail 7	3020	734 206 8	734 205 1	370

Use and installation



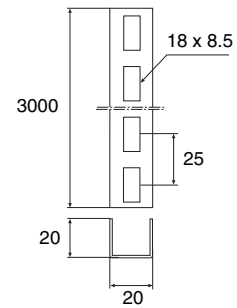
Using Ceiling bracket 7 together with Pendant/Fixing rail 7L/7 makes it possible to produce vertical pieces in different lengths on site. Use 2 Screw set 22S.

Cantilever arm 80 is infinitely adjustable along Pendant/Fixing rail 7L/7. Screw set 22S shall be used when mounting.

Pendant rail W32

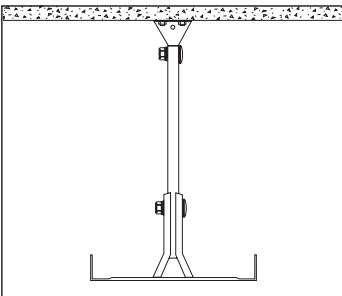
WEF-0001

Pendant rail W32 can be installed in ceilings together with Ceiling attachment W31 or Ogebe fixing type E.

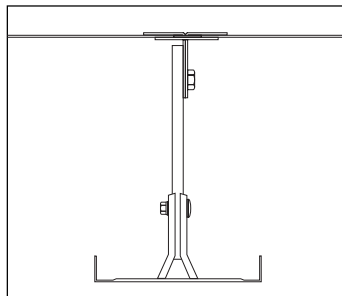


	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Pendant rail W32	716 798 2	734 620 2	725 584 9	716 857 6	180

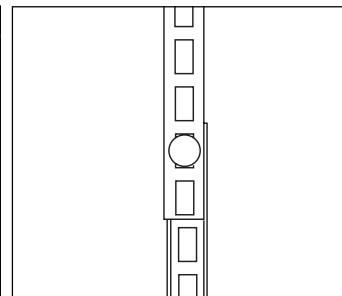
Use and installation



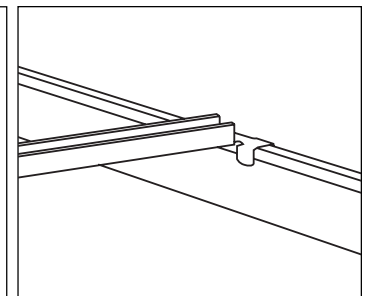
The Pendant rail W32 is cut to the required length and mounted in the ceiling with Ceiling attachment W31 and Pendant attachment W21 mounted onto Support bracket/joint W7.



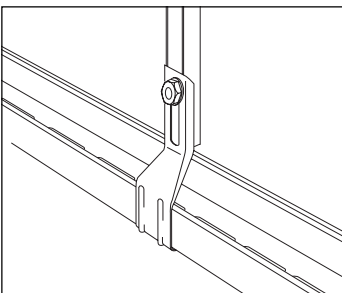
The Pendant rail W32 can be mounted in metal plate ceilings with an Ogebe fixing type E.



The Pendant rail W32 can be joined by placing overlapping and assembly using Screw set W37.

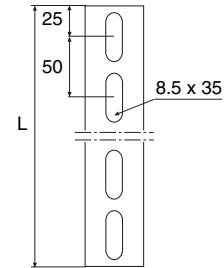
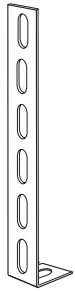


Using Locking clamp W77, the Pendant rail W32 can be mounted between two lighting trunkings or cable trays either as a stabiliser or to form a simple duct.



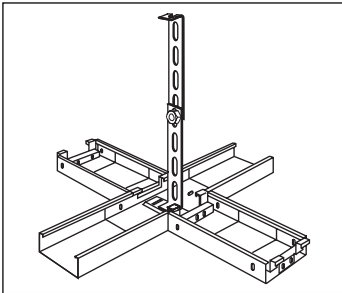
Pendant rail W32 is mounted onto Pendant bracket W81 with Screw set W37. Adjustable to ± 18 mm.

The Pendant strip W33 is delivered in straight 1 m lengths and bent on site.

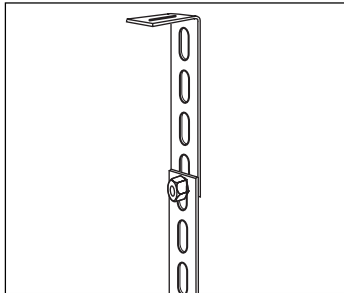


	L mm	Pre-galvanized		Pre-galv + Powder coated white		Weight kg 100 pcs
		Part. No.	C*	Part. No.	C*	
Pendant strip W33	1000	721 786	1	723 910	8	19

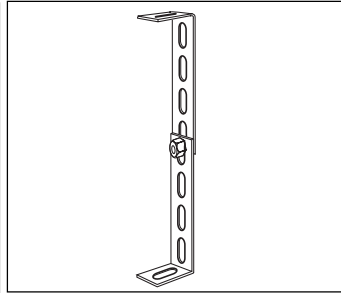
Use and installation



Mounted in open intersections for ceiling installation. Mounted with Screw set W36 in Support bracket/joint W7.



The Pendant strip W33 is delivered straight. Can be bent on site. Pendants longer than 1 m are joined by overlapping using Screw set W36.



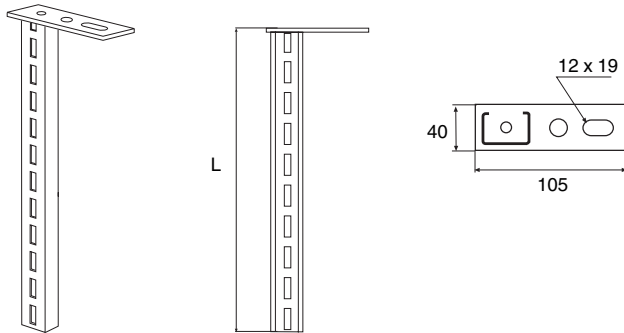
If an adjustment of pendant length is required, this can be achieved by cutting the strip in the middle and overlapping the two parts so that a join can be achieved using Screw set W36.

Vertical piece 7L and 7

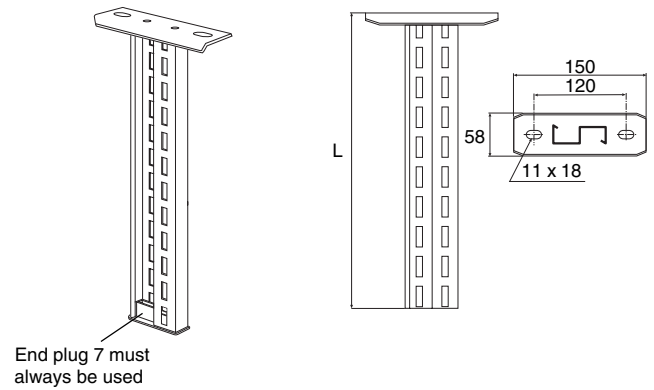
WEF-0001

To be used together with Cantilever arm 80. The Cantilever arm is infinitely adjustable along the Vertical piece. End plug 7 is mounted on Vertical piece 7 on delivery.

Vertical piece 7L



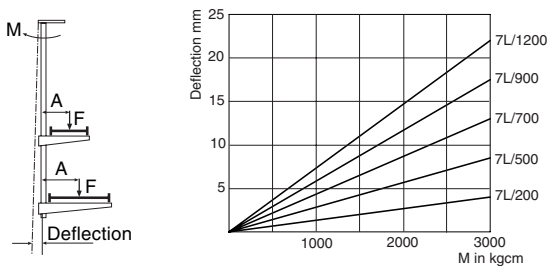
Vertical piece 7



	L mm	Hot dip galv. Part. No. C*	Weight kg 100 pcs
Vertical piece 7L/200	218	735 207 4	46
Vertical piece 7L/300	290	735 208 1	56
Vertical piece 7L/400	398	735 209 8	69
Vertical piece 7L/500	506	735 210 4	83
Vertical piece 7L/600	614	735 211 1	98
Vertical piece 7L/700	722	735 212 8	111
Vertical piece 7L/800	794	735 213 5	120
Vertical piece 7L/900	902	735 214 2	135
Vertical piece 7L/1000	1010	735 215 9	148
Vertical piece 7L/1100	1118	735 216 6	162
Vertical piece 7L/1200	1190	735 217 3	171
Vertical piece 7/200	216	731 871 1	60
Vertical piece 7/300	288	731 872 8	70
Vertical piece 7/400	396	731 873 5	80
Vertical piece 7/500	504	731 874 2	100
Vertical piece 7/600	612	731 875 9	110
Vertical piece 7/700	720	731 876 6	120
Vertical piece 7/800	792	731 877 3	130
Vertical piece 7/900	900	731 878 0	150
Vertical piece 7/1000	1008	731 879 7	170
Vertical piece 7/1100	1116	731 880 3	180
Vertical piece 7/1200	1188	731 881 0	190
Vertical piece 7/1300	1296	731 882 7	200
Vertical piece 7/1400	1404	731 883 4	220
Vertical piece 7/1500	1512	731 884 1	230
Vertical piece 7/1600	1620	731 885 8	250

Loading tables for Vertical piece 7L and 7

Vertical piece 7L



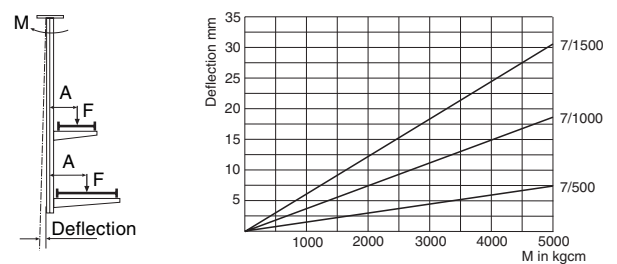
The bending moment M is the total sum of F x A in kgcm.

F = Force on cantilever arms in kg
 F = Loading (kg/m) x Support distance (m)

A = Distance between force and centerline vertical piece in cm

$$A = \frac{\text{Width of ladder}}{2} + 1.75 \text{ cm}$$

Vertical piece 7



The bending moment M is the total sum of F x A in kgcm.

F = Force on cantilever arms in kg
 F = Loading (kg/m) x Support distance (m)

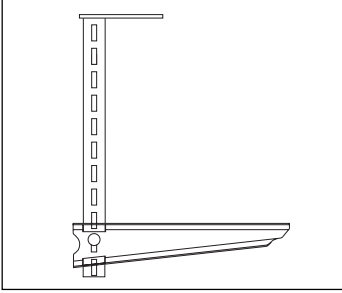
A = Distance between force and centerline vertical piece in cm

$$A = \frac{\text{Width of ladder}}{2} + 3.5 \text{ cm}$$

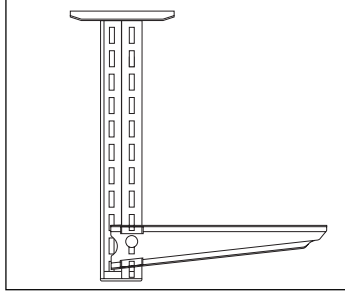
* EAN-code = 732167 + Part.no + C (control figure)

Vertical piece 7L and 7

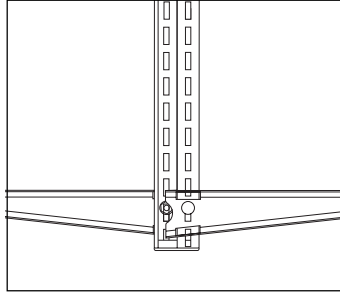
Use and installation



Cantilever arm 80 is infinitely adjustable along Vertical piece 7L. Screw set 22S must be used when mounting. The cantilever arm must always be mounted in the same direction as the ceiling bracket.



Cantilever arm 80 is infinitely adjustable along Vertical piece 7. Screw set 22S must be used when mounting. End plug 7 must be used on Vertical piece 7.

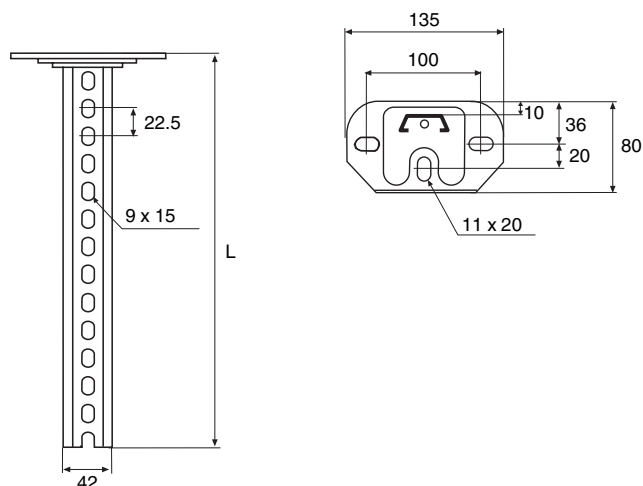
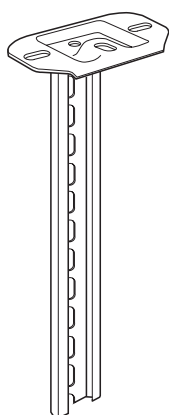


Cantilever arm 80 can also be mounted on both sides of the Vertical piece 7 at the same level (not 7L). Breaking load for symmetrical loading 2500 kg (25 kN).

Vertical piece 2

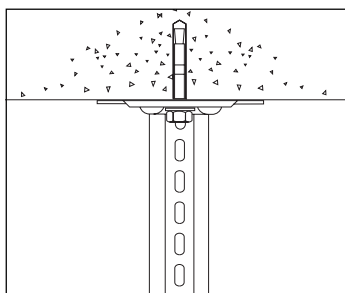
WEF-0001

To be used for installation of centre pendant of Cable trays W1 and W3, mesh trays and lighting trunking.

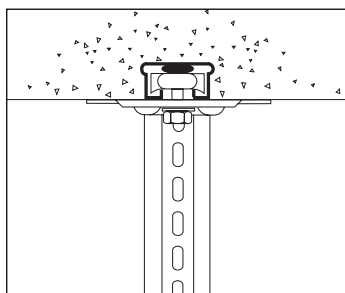


	L mm	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Hot-dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Vertical piece 2/300	279	717 191 0	725 557 3	716 283 3	52
Vertical piece 2/400	392	717 192 7	725 558 0	716 284 0	62
Vertical piece 2/500	504	717 193 4	725 559 7	716 285 7	72
Vertical piece 2/700	729	717 194 1	725 560 3	716 286 4	93
Vertical piece 2/1000	1022	717 195 8	725 561 0	716 287 1	120

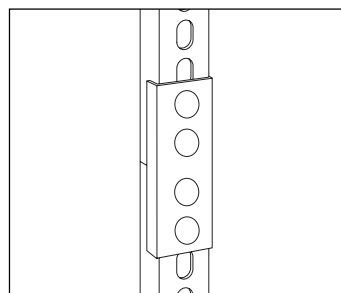
Use and installation



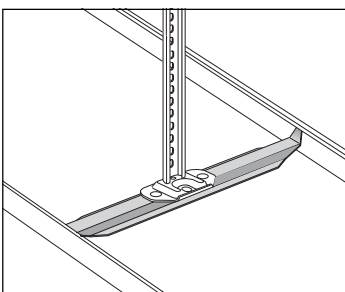
Mount Vertical piece 2 using an Expansion-shell bolt.



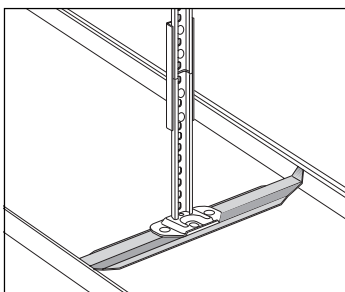
Mount Vertical piece 2 on a Fixing rail 24/26 x 53 for casting-in using T-bolt 26.



Vertical piece 2 may be joined to achieve the required length using Pendant/Fixing rail 24/34 and Pendant joint 2J.

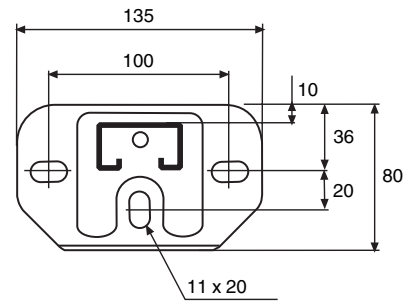
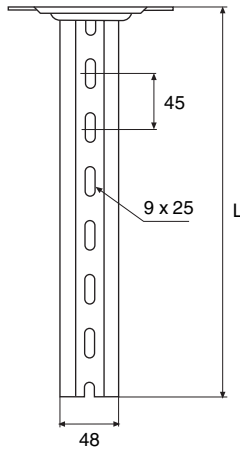
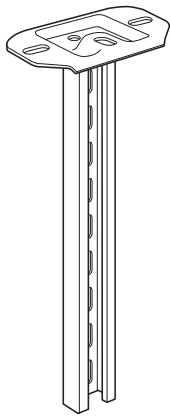


Support bracket W1940 mounted in the fixing plate of the vertical piece with Screw set W36.



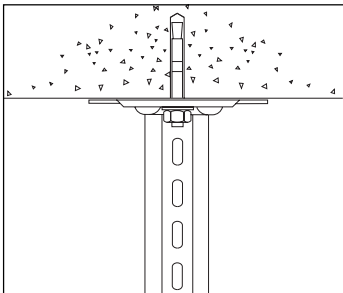
Use Pendant joint 2J to join two Vertical pieces 2.

Used for installation of Internal cantilever arm W17, Adjustable cantilever arm W1840 or Cantilever arm 50.

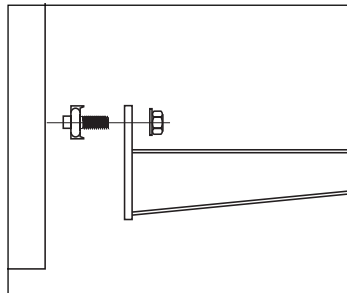


	L mm	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Hot dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Vertical piece 2F/280	280	717 196 5	725 562 7	717 201 6	80
Vertical piece 2F/370	370	717 197 2	725 563 4	717 202 3	100
Vertical piece 2F/505	505	717 198 9	725 564 1	717 203 0	130
Vertical piece 2F/730	730	717 199 6	725 565 8	717 204 7	170
Vertical piece 2F/1000	1000	717 200 9	725 566 5	717 205 4	220

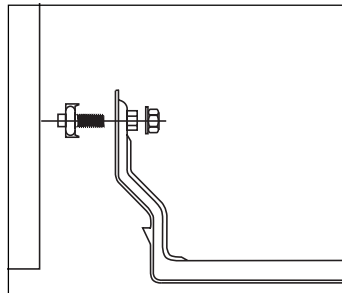
Use and installation



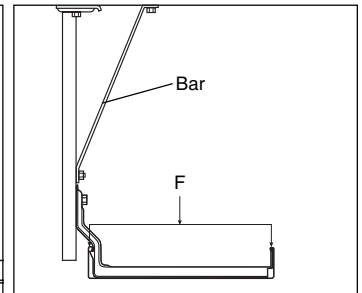
Mounted in ceiling with Expansion-shell bolts.



Cantilever arm 50 is mounted with a T-bolt.



Internal cantilever arm W17 is mounted with a T-bolt.

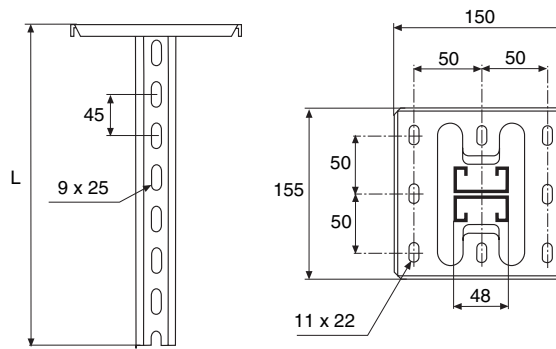
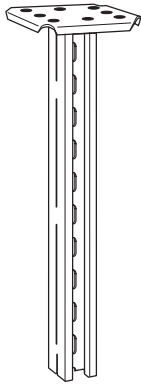


In order to reduce the deflection of vertical piece 2F for heavy loads on Internal cantilever arm W17, Pendant bar 1 is installed. Max loadings see page 42.

Vertical piece 20

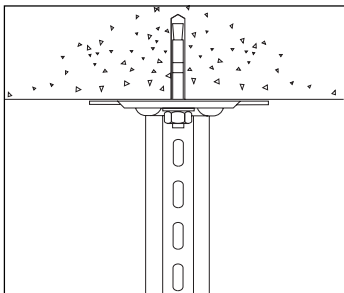
WEF-0001

Used for vertical installation with Cantilever arm 50 from a ceiling or on a floor. Can also be installed as a cantilever arm on a wall.

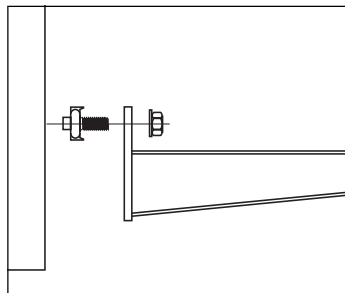


	L mm	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Hot dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Vertical piece 20/505	505	715 723 5	725 567 2	716 276 5	250
Vertical piece 20/730	730	715 724 2	725 568 9	716 277 2	330
Vertical piece 20/1000	1000	715 725 9	725 569 6	716 278 9	440
Vertical piece 20/1500	1495	715 726 6	725 570 2	716 279 6	620
Vertical piece 20/2000	1990	715 727 3	725 571 9	716 280 2	800
Vertical piece 20/3000	2980	715 728 0	725 572 6	716 281 9	1180

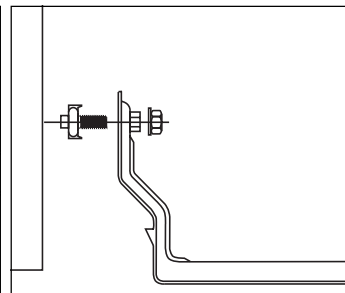
Use and installation



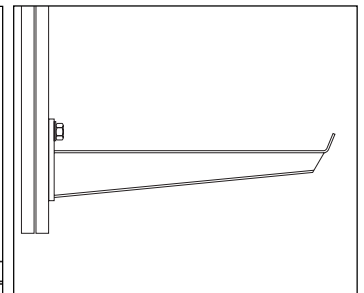
Mounted in ceiling with Expansion-shell bolts.



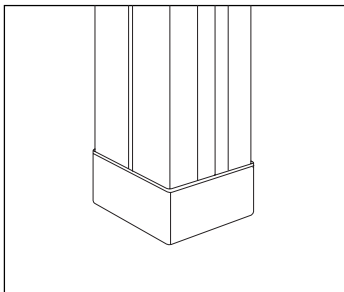
Cantilever arm 50 is mounted with a T-bolt.



Internal cantilever arm W17 is mounted with a T-bolt.



On vertical piece, mount Cantilever arm 50 using T-bolt 26.

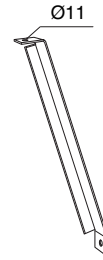
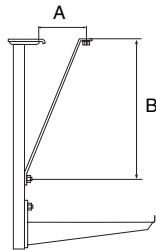


Vertical piece 20 may be equipped with a protective orange coloured End plug 28D.

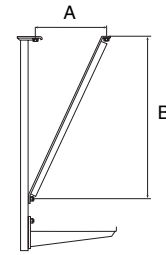
Installed in order to reduce the deflection of long Vertical pieces 2F and 20.



Pendant bar 1/300-800

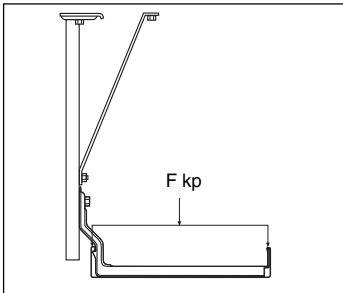


Pendant bar 1/1500

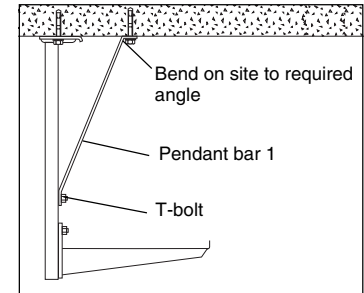


	A mm	B mm	Hot dip galv. + Powder coated white		Weight kg 100 pcs
			Hot dip galv. Part. No. C*	Part. No. C*	
Pendant bar 1/300	80	300	717 640 3	717 643 4	50
Pendant bar 1/500	130	500	717 641 0	717 644 1	80
Pendant bar 1/800	215	800	717 642 7	717 645 8	125
Pendant bar 1/1500	May vary		718 903 8	720 530 1	560

Use and installation



In order to reduce deflection of Vertical piece 2F for heavy loads on Internal cantilever arm W17 and Cantilever arm 50/50L, Pendant bar 1 is installed. Loadings in accordance with table below.



Loading table for Cantilever arm W17

Max. loading F at 3° deflection of cantilever arm

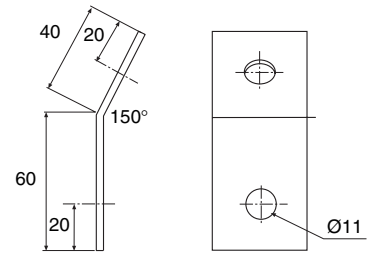
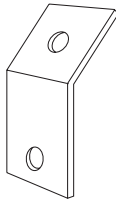
	Cantilever arm type	2F/280		2F/370		2F/505		2F/730		2F/1000	
		kN	kg	kN	kg	kN	kg	kN	kg	kN	kg
Without bar	W17/100	0.65	65	0.65	65	0.60	60	0.55	55	0.55	55
	200	0.60	60	0.60	60	0.50	50	0.50	50	0.45	45
	300	0.70	70	0.70	70	0.70	70	0.65	65	0.55	55
	400	0.55	55	0.55	55	0.55	55	0.50	50	0.45	45
With bar 1/300	W17/100					0.75	75	0.70	70	0.65	65
	200					0.60	60	0.55	55	0.50	50
	300					0.80	80	0.75	75	0.70	70
	400					0.70	70	0.65	65	0.50	50
With bar 1/500	W17/100							0.90	90	0.70	70
	200							0.70	70	0.60	60
	300							0.95	95	0.80	80
	400							0.70	70	0.55	55
With bar 1/800	W17/100									0.80	80
	200									0.60	60
	300									0.85	85
	400									0.65	65

* EAN-code = 732167 + Part.no + C (control figure)

Bracket 60/40

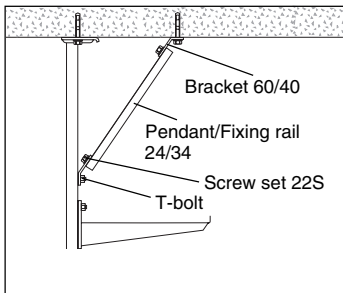
WEF-0001

Bracket 60/40 is installed together with Pendant/Fixing rail 24/34 to reduce the deflection of long Vertical pieces 2F.



Bracket 60/40	Hot dip galv.		Hot dip galv. + Powder coated white		Weight kg 100 pcs
	Part. No.	C*	Part. No.	C*	
Bracket 60/40	718 904	5	720 531	8	10

Use and installation



Use Bracket 60/40 with Pendant/Fixing rail 24/34 to reduce the deflection of Vertical piece 2F. Cut the pendant/fixing rail to a suitable length on site.

Locking clamp W77

WEF-0001

Mounted to lock Pendant rail W32, when installed between lighting trunking or cable trays as a stabilizer.

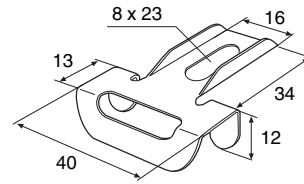
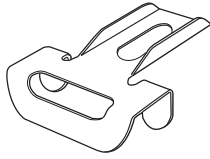
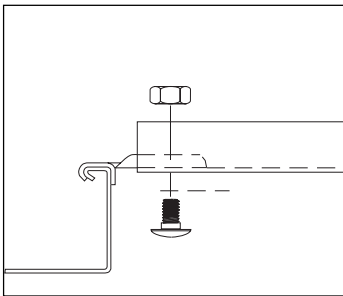
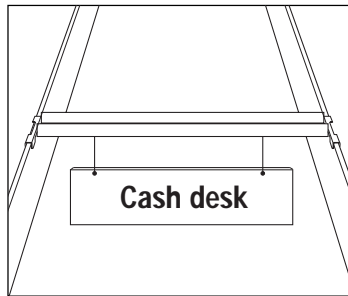


	Plate thickness mm	Pre-galvanized		Pre-galv. + Powder coated white		Weight kg 100 pcs
		Part. No.	C*	Part. No.	C*	
Locking clamp W77	1.25	716 797	5	716 896	5	1.5

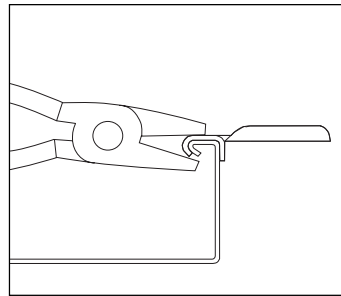
Use and installation



Pendant rail W32 mounted with Screw set W36 or W34.



Locking clamp W77 used when Pendant rail W32 is mounted between two Lighting trunking W70/W71 or cable trays as a stabilizer.

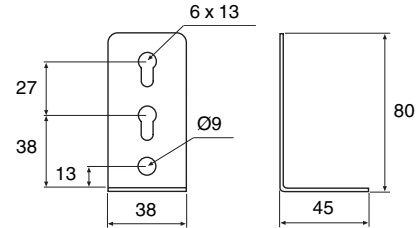
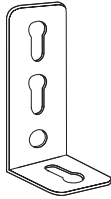


Locking clamp W77 fixed to the fold of trunking/tray with a pair of pliers.

Angle bracket W8

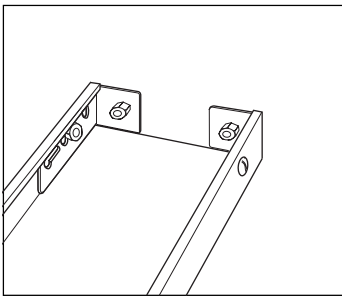
WEF-0001

The angle bracket is mounted in the tray horizontally to a wall or vertically to a floor. The angle bracket can also be mounted as a pendant bracket in the lighting trunking.

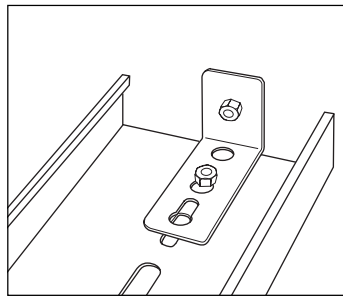


	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Angle bracket W8	716 821 7	728 883 0	725 580 1	716 881 1	6

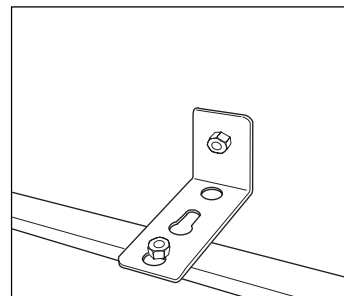
Use and installation



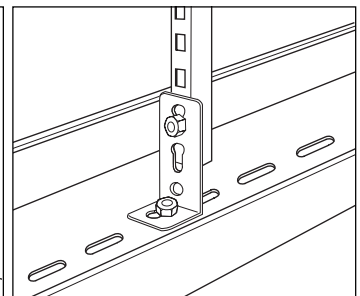
2 Angle brackets W8 are mounted in the tray using 2 Screw sets W38/W38P for horizontal connection to wall and vertical connection to floor. Can be mounted with legs pointing inwards or outwards.



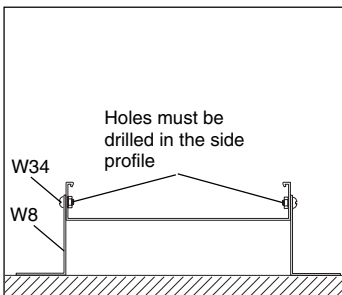
Angle bracket W8 mounted in bottom of lighting trunking with Screw set W36. Expansion-shell bolts are used for installation in concrete walls. In sheet metal walls mounting is achieved with an Ogebe fixing type ED.



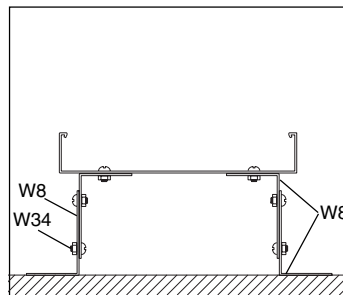
The Angle bracket W8 is mounted to achieve clearance from wall or where there is a large asymmetric load on the tray at pendant installation. Mounted at a distance of 1.5–2 m.



Angle bracket mounted in bottom of lighting trunking with Screw set W36 as pendant attachment.



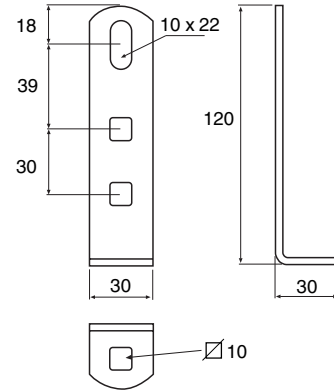
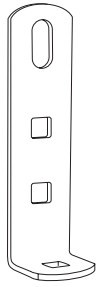
Horizontal installation of cable tray W3/W1 on floor or vertically on wall. The angle bracket W8 can be turned to reduce the distance to floor or wall.



Horizontal installation of cable tray W3 on floor or vertically on wall. The angle bracket W8 can be turned to reduce the distance to floor or wall.

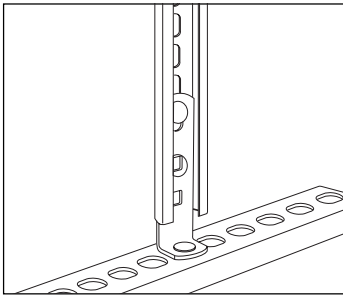
* EAN-code = 732167 + Part.no + C (control figure)

To be used for various installations of Pendant/Fixing rail 24/34, support brackets etc.

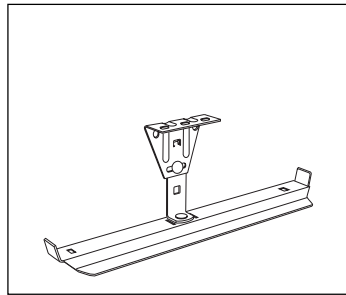


	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Angle bracket W8S	728 071 1	726 873 3	726 875 7	726 874 0	8

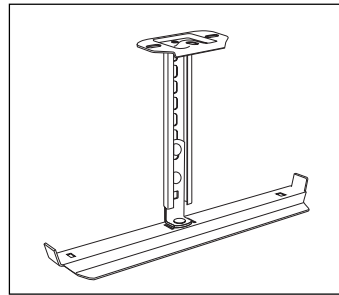
Use and installation



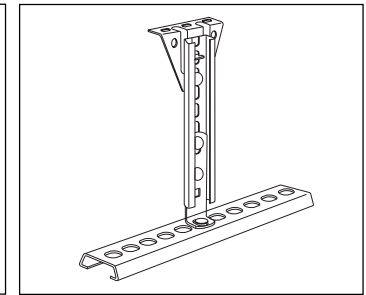
Angle bracket W8S can be used for various installations in Pendant/fixing rail 24/34. Use Screw set 22S. An easy way to build stands for electrical cabinets.



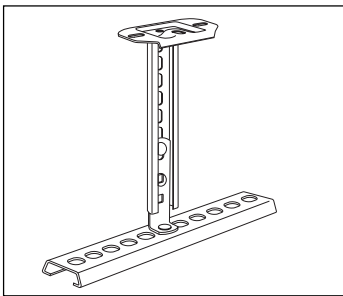
Support bracket 6 can be mounted on Ceiling bracket 5 with Angle bracket W8S and Screw set 22S.



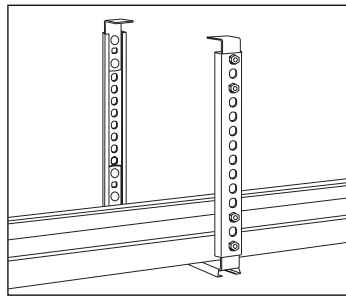
Support bracket 6 can be mounted on Vertical piece 2 with Angle bracket W8S and Screw set 22S.



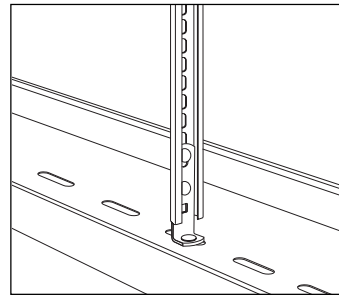
Support bracket WN5 can be mounted on Pendant/fixing rail 24/34 with Angle bracket W8S and Screw set 22S. Ceiling bracket 5 can be used.



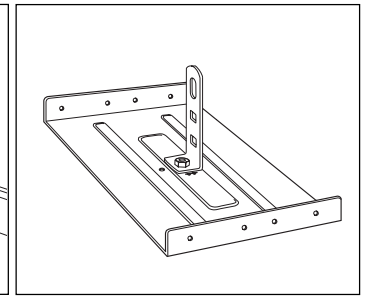
Support bracket WN5 can be mounted directly on Vertical piece 2 with Angle bracket W8S and Screw set 22S.



Clamp suspension of cable trays can be made with Pendant/Fixing rail 24/34, Angle bracket W8S and Screw set 22S.



Vertical pieces can be mounted with Angle bracket W8S directly into the lighting trunking.



Angle bracket W8S can be mounted on Support bracket/joint W7 with Screw set W36 (except for W7-70, 150, 500, 600).

T-joint W9

WEF-0001

Mounted in T- or X-branches. Also used for oblique branches.

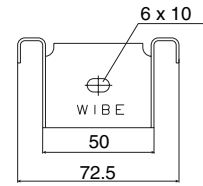
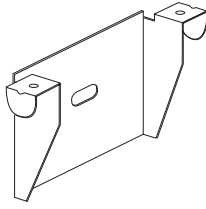
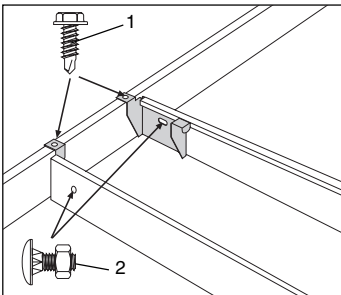


	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
T-joint W9 (Screw M5 x 10 + Nut M6M5 are incl.)**	1.0	718 205 3	734 622 6	718 206 0	6

** 2 T-joints W9 + 2 screw sets are included in each Part. No.

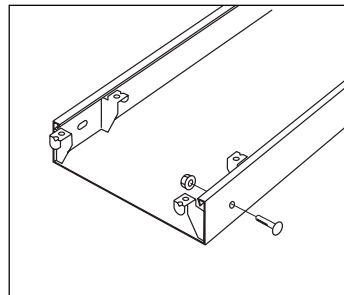
Use and installation



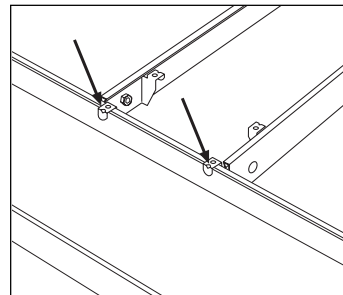
Potential balancing

In order to fulfil the potential balancing according to SS-EN 60335-1 the screw must be secured.

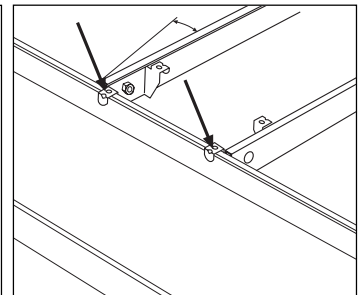
- 1 Self-drilling screw
RXB 4.2 x 13
- 2 Screw set W38P
Tightening torque 2 Nm



T-joint W9 is mounted on the side edges of the tray.

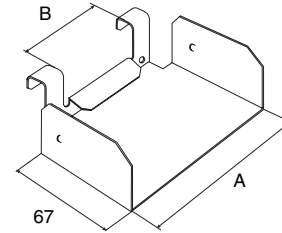
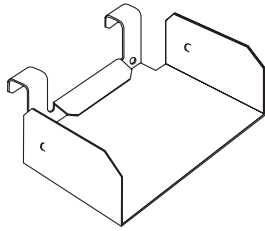


Straight angling. If necessary, the lugs are locked to the edge of the tray using pliers. Can also be locked with blind rivets or self-tapping screws.



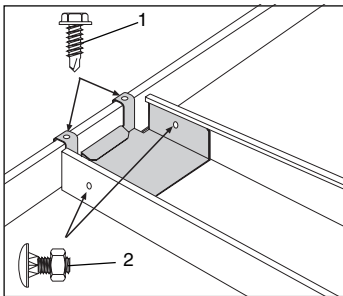
Oblique angling. If necessary, the lugs are locked to the edge of the tray using pliers. Can also be locked with blind rivets or self-tapping screws.

Mounted in T- or X-junctions. Simple push-in assembly. Locks into tray via locking flap. Is hung over the edge of the tray and locked in a suitable way.



	A mm	B mm	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
T-joint W29-70	68	–	721 935 3	724 942 8	11
T-joint W29-100	98	50	721 936 0	724 943 5	14
T-joint W29-200	198	120	721 937 7	724 944 2	22
T-joint W29-300	298	120	721 938 4	724 945 9	34
T-joint W29-400	398	120	721 939 1	724 946 6	45
T-joint W29-500	498	120	721 940 7	724 947 3	57
T-joint W29-600	598	120	721 941 4	724 948 0	68

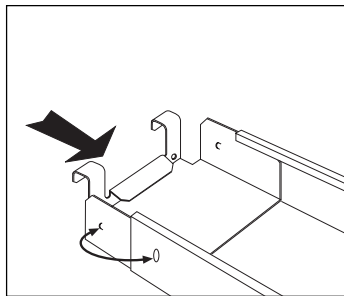
Use and installation



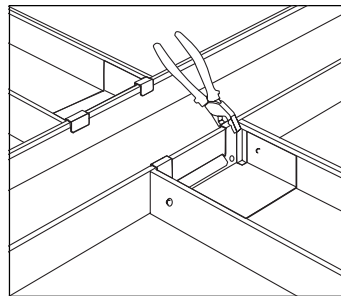
Potential balancing

In order to fulfil the potential balancing according to SS-EN 60335-1 the screw must be secured.

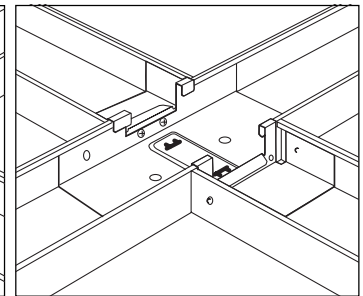
- 1 Self-drilling screw
RXB 4.2 x 13
- 2 Screw set W38P
Tightening torque 2 Nm



Simply installed with push-in mounting. Automatic locking via locking lips.

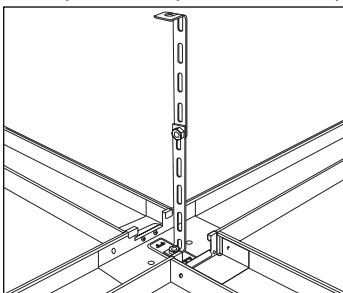


Used with T- and X-junction. Mounted directly onto tray edge. Can be attached to tray using plastic bolt or by pinching lip at the top of the tray.

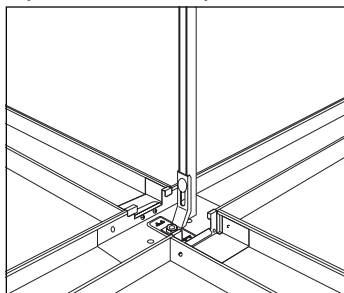


Used with open junction together with Joint W7 with opening and Tray W1 with opening. Attached with a blind rivet or Screw W40.

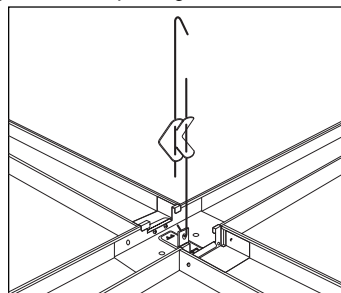
Examples of suspensions with open junction where T-joint W29, Tray W1 with opening and Joint W7 with opening are included.



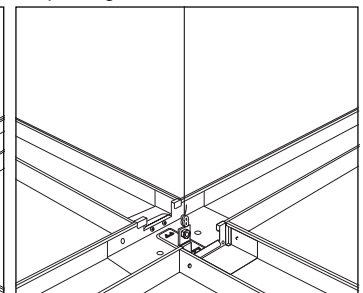
Suspension with Pendant strip W33.



Suspension with Pendant rail W32 and half a Pendant attachment W21.



Suspension with adjustable pendant and Ogebe fixing type E.

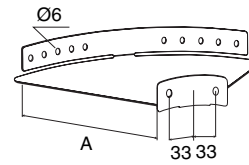
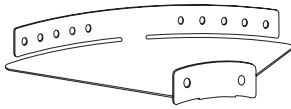


Suspension with wire and Ogebe fixing type E.

Adjustable bend W10S

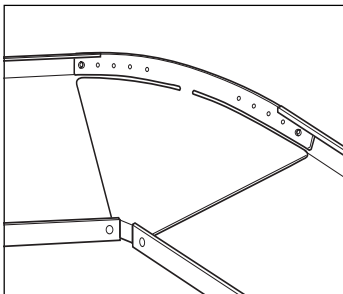
WEF-0001

Adjustable bend W10S permits horizontal angling from 105° to 165° in steps of 7.5°.

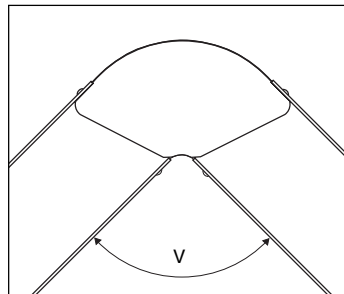


	A mm	Plate thickness mm	Pre-galvanized		Hot dip galv.		Pre-galv. + Powder coated white		Weight kg 100 pcs
			Part. No.	C*	Part. No.	C*	Part. No.	C*	
Adjustable bend W10S -50	47	1.0	734 584	7	734 591	5			9
Adjustable bend W10S -70	67	1.0	716 833	0	734 592	2	716 838	5	10
Adjustable bend W10S -100	97	1.0	716 834	7	734 593	9	716 839	2	13
Adjustable bend W10S -150	147	1.0	734 585	4	734 594	6			24
Adjustable bend W10S -200	197	1.0	716 835	4	734 595	3	716 840	8	40
Adjustable bend W10S -300	297	1.0	716 836	1	734 596	0	716 841	5	75
Adjustable bend W10S -400	397	1.0	716 837	8	734 597	7	716 842	2	125
Adjustable bend W10S -500	497	1.25	724 965	7	734 598	4	724 967	1	270
Adjustable bend W10S -600	597	1.25	724 966	4	734 599	1	724 968	8	380

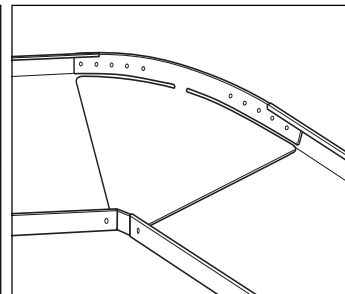
Use and installation



Push-in installation. Turn up inner and outer edges and mount the Adjustable bend W10S bend inside tray.

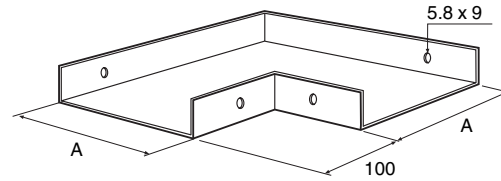
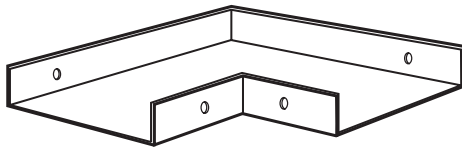


Adjustable bend W10S permits desired horizontal angling between 105° and 165° in stages of 7.5°.



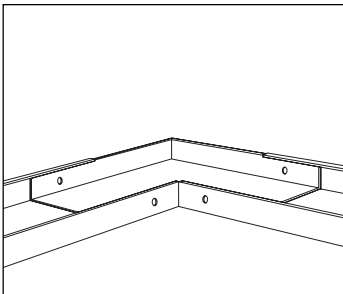
If necessary, Adjustable bend W10S may be locked using Screw set W38/W38P or Locking plug W41.

For push-in assembly. If necessary, the bend is locked using Screw set W38/W38P or Locking plug W41.

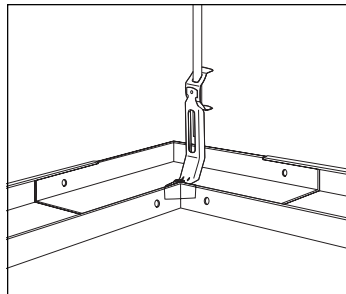


	A mm	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
90° bend W10 SKH - 50	47	1.25	733 479 7	733 913 6		30
90° bend W10 SKH - 70	67	1.25	717 903 9	733 914 3	718 041 7	38
90° bend W10 SKH - 100	97	1.25	717 904 6	733 915 0	718 042 4	51
90° bend W10 SKH - 150	147	1.25	733 480 3	733 916 7		70
90° bend W10 SKH - 200	197	1.25	717 905 3	733 917 4	718 043 1	108
90° bend W10 SKH - 300	297	1.25	717 906 0	733 918 1	718 044 8	185
90° bend W10 SKH - 400	397	1.25	717 907 7	733 919 8	718 045 5	281
90° bend W10 SKH - 500	497	1.25	721 184 5	733 920 4	721 185 2	400
90° bend W10 SKH - 600	597	1.25	723 196 6	733 921 1	723 197 3	540

Use and installation



Used for 90° horizontal angling. Push-in installation.

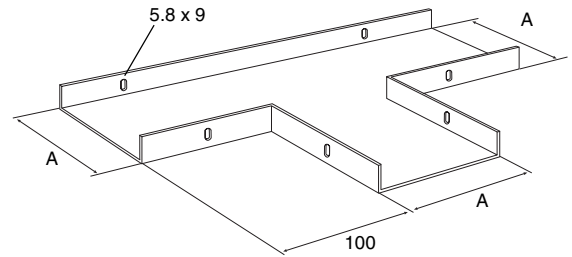
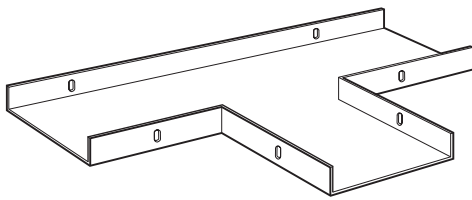


If necessary, the 90° bend W10 can be locked using Screw set W38/W38P or Locking plug W41. Can be provided with holes in bottom for suspension in Pendant attachment W21 alternatively W73. Valid for max. width 200 mm.

T-junction W12 SKH

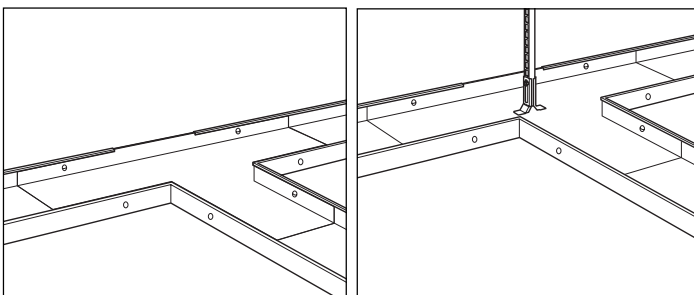
WEF-0001

For push-in assembly. If necessary, the T-junction is locked using Screw set W38/W38P or Locking plug W41.



	A mm	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
T-junction W12 SKH - 50	47	1.25	733 484 1	733 951 8		40
T-junction W12 SKH - 70	67	1.25	717 908 4	733 952 5	718 051 6	49
T-junction W12 SKH - 100	97	1.25	717 909 1	733 953 2	718 052 3	64
T-junction W12 SKH - 150	147	1.25	733 485 8	733 954 9		90
T-junction W12 SKH - 200	197	1.25	717 910 7	733 955 6	718 053 0	128
T-junction W12 SKH - 300	297	1.25	717 911 4	733 956 3	718 054 7	212
T-junction W12 SKH - 400	397	1.25	717 912 1	733 957 0	718 055 4	314
T-junction W12 SKH - 500	497	1.25	721 186 9	733 958 7	721 187 6	438
T-junction W12 SKH - 600	597	1.25	723 198 0	733 959 4	723 199 7	580

Use and installation



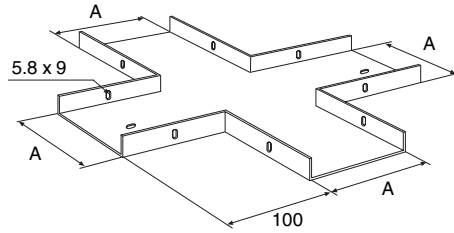
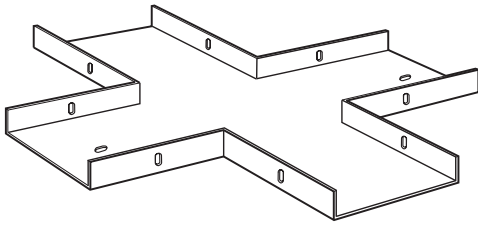
Used for horizontal 90° junction.

If necessary, the T-junction W12 SKH can be locked using Screw set W38/W38P or Locking plug W41. Can be provided with holes in bottom for suspension in Pendant attachment W21 or Tube pendant attachment W73.
Valid for max. width 200 mm.

X-junction W13 SKH

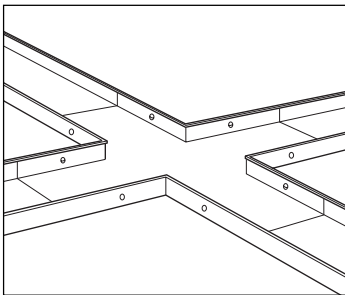
WEF-0001

For push-in assembly. If necessary, the X-junction is locked using Screw set W38/W38P or Locking plug W41.

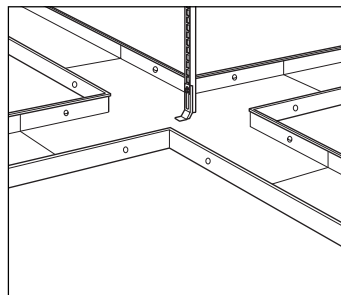


	A mm	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
X-junction W13 SKH - 50	47	1.25	733 496 4	733 960 0		50
X-junction W13 SKH - 70	67	1.25	717 913 8	733 961 7	718 061 5	64
X-junction W13 SKH - 100	97	1.25	717 914 5	733 962 4	718 062 2	80
X-junction W13 SKH - 150	147	1.25	733 497 1	733 963 1		110
X-junction W13 SKH - 200	197	1.25	717 915 2	733 964 8	718 063 9	150
X-junction W13 SKH - 300	297	1.25	717 916 9	733 965 5	718 064 6	240
X-junction W13 SKH - 400	397	1.25	717 917 6	733 966 2	718 065 3	350
X-junction W13 SKH - 500	497	1.25	721 188 3	733 967 9	721 189 0	480
X-junction W13 SKH - 600	597	1.25	723 200 0	733 968 6	723 201 7	630

Use and installation



Used for horizontal 90° junction.

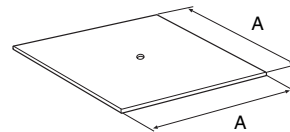
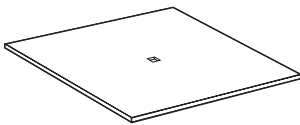


If necessary, the X-junction W13 SKH can be locked using Screw set W38/W38P or Locking plug W41. Can be provided with holes in bottom for suspension in Pendant attachment W21 or Tube pendant attachment W73. Valid for max. width 200.

Cover plate W16

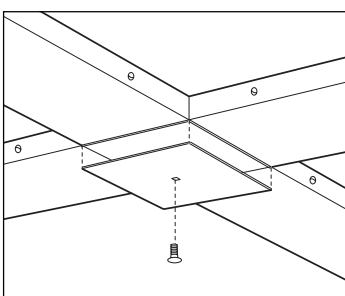
WEF-0001

Mounted with Screw set W36 under 90° bends, T- and X-junction if one needs to level out differences in levels between tray and junction.



	A mm	Plate thickness mm	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Cover plate W16 - 70	70	1.5	718 036 3	718 071 4	6
Cover plate W16 - 100	100	1.5	718 037 0	718 072 1	12
Cover plate W16 - 200	200	1.5	718 038 7	718 073 8	48
Cover plate W16 - 300	300	1.5	718 039 4	718 074 5	108
Cover plate W16 - 400	400	1.5	718 040 0	718 075 2	192

Use and installation



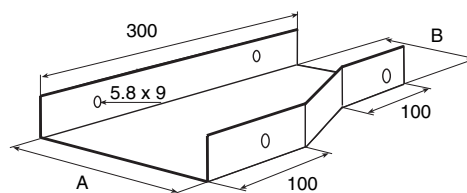
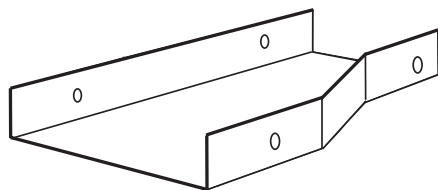
Mounted with Screw set W36 under 90° bend W10 SKH if one needs to level out differences in height between tray and bend.

* EAN-code = 732167 + Part.no + C (control figure)

Reducing piece W14, left

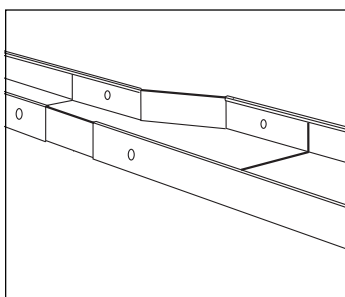
WEF-0001

For push-in assembly. Fitted for transition between different widths of cable trays or lighting trunking on wall mountings. If necessary, the Reducing piece W14 can be locked using Screw set W38/W38P or Locking plug W41.

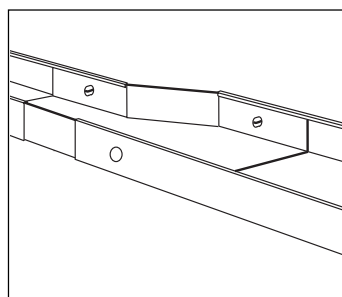


	A mm	B mm	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Reducing piece W14-200-100 left	198	98	1.0	713 620 9	734 629 5	713 648 3	53
Reducing piece W14-300-100 left	298	98	1.25	713 622 3	734 630 1	713 650 6	81
Reducing piece W14-400-100 left	398	98	1.25	713 623 0	734 631 8	713 651 3	96
Reducing piece W14-300-200 left	298	198	1.25	713 631 5	734 632 5	713 659 9	96
Reducing piece W14-400-200 left	398	198	1.25	713 632 2	734 633 2	713 660 5	111
Reducing piece W14-400-300 left	398	298	1.25	713 637 7	734 634 9	713 665 0	126

Use and installation



For transition between different widths of trays and rails during wall mounting. Push-in mounting.

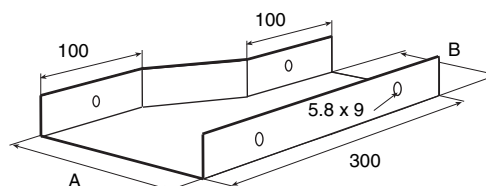
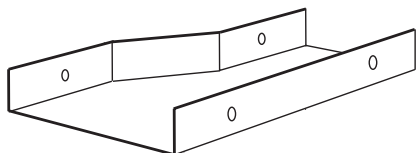


If necessary, the Reducing piece W14 can be locked using Screw set W38/W38P or Locking plug W41.

Reducing piece W14, right

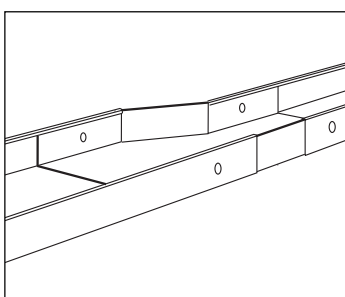
WEF-0001

For push-in assembly. Fitted for transition between different widths of cable trays or lighting trunking on wall mountings. If necessary, the Reducing piece W14 can be locked using Screw set W38/W38P or Locking plug W41.

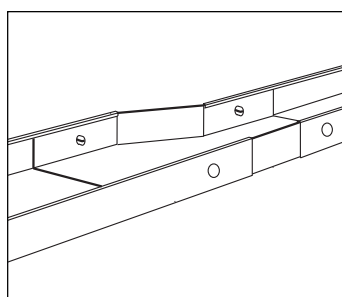


	A mm	B mm	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Reducing piece W14-200-100 right	198	98	1.0	713 536 3	734 635 6	713 564 6	53
Reducing piece W14-300-100 right	298	98	1.25	713 538 7	734 636 3	713 566 0	81
Reducing piece W14-400-100 right	398	98	1.25	713 539 4	734 637 0	713 567 7	96
Reducing piece W14-300-200 right	298	198	1.25	713 547 9	734 638 7	713 575 2	96
Reducing piece W14-400-200 right	398	198	1.25	713 548 6	734 639 4	713 576 9	111
Reducing piece W14-400-300 right	398	298	1.25	713 553 0	734 640 0	713 581 3	126

Use and installation



For transition between different widths of trays and rails during wall mounting. Push-in mounting.



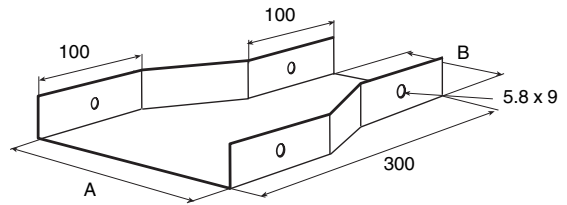
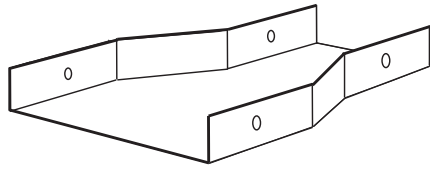
If necessary, the Reducing piece W14 can be locked using Screw set W38/W38P or Locking plug W41.

* EAN-code = 732167 + Part.no + C (control figure)

Reducing piece W15, straight

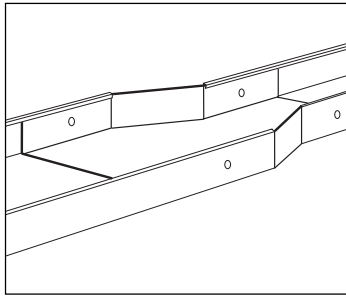
WEF-0001

For push-in assembly. Fitted for transition between different cable tray widths for symmetric ceiling installation. If necessary, the Reducing piece W15 can be locked using Screw set W38/W38P or Locking plug W41.

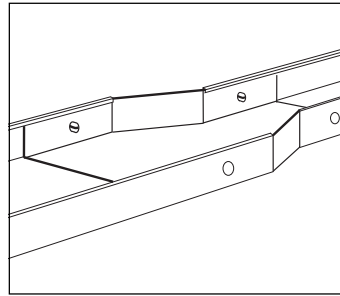


	A mm	B mm	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Reducing piece W15 200-100, straight	198	98	1.0	713 704 6	734 623 3	713 732 9	53
Reducing piece W15 300-100, straight	298	98	1.25	713 706 0	734 624 0	713 734 3	81
Reducing piece W15 400-100, straight	398	98	1.25	713 707 7	734 625 7	713 735 0	96
Reducing piece W15 300-200, straight	298	198	1.25	713 715 2	734 626 4	713 743 5	96
Reducing piece W15 400-200, straight	398	198	1.25	713 716 9	734 627 1	713 744 2	111
Reducing piece W15 400-300, straight	398	298	1.25	713 721 3	734 628 8	713 749 7	126

Use and installation



For transition between different tray widths during symmetric ceiling installation

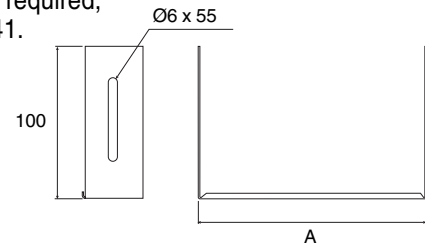
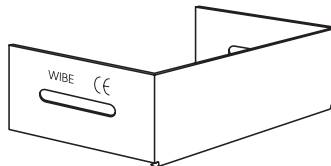


If necessary, the Reducing piece W15 can be locked using Screw set W38/W38P or Locking plug W41.

End cover W45

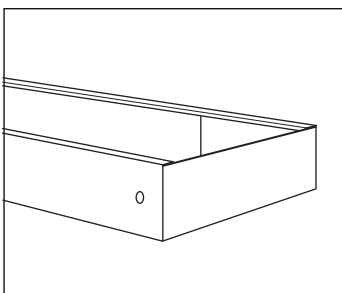
WEF-0001

For push-in assembly. Mounted as end cover in cable trays and lighting trunking. If required, the End cover W45 can be locked using Screw set W38/W38P or Locking plug W41.



	A mm	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
End cover W45-70	68	731 730 1	731 737 0	8
End cover W45-100	98	731 731 8	731 738 7	9
End cover W45-200	198	731 732 5	731 739 4	12
End cover W45-300	298	731 733 2	731 740 0	15
End cover W45-400	398	731 734 9	731 741 7	18
End cover W45-500	498	731 735 5	731 742 4	21
End cover W45-600	598	731 736 1	731 743 1	24

Use and installation

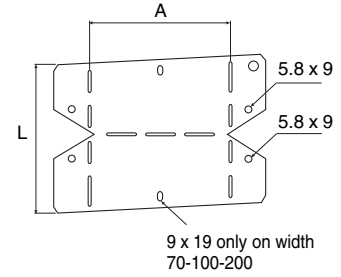
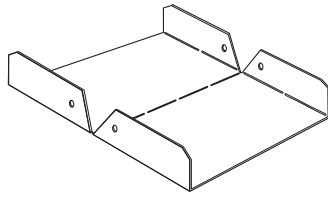


Mounted as end in trays and lighting trunking. Locked with Locking plug W41 or Screw set W38/W38P.

Vertical riser W11

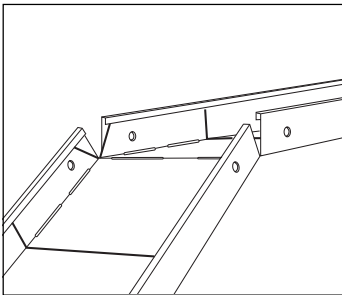
WEF-0001

For push-in assembly. For upward or downward angling for desired angle up to 90°. Should be locked with Screw set W38/W38P or Locking plug W41.

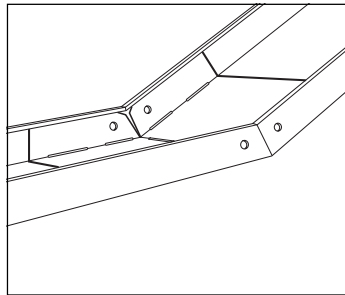


	A mm	L mm	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Vertical riser W11-50	48	150	0.7	733 498 8	734 101 1		8
Vertical riser W11-70	68	150	0.7	723 226 0	734 102 3	723 953 5	10
Vertical riser W11-100	98	150	0.7	723 227 7	734 103 0	723 954 2	12
Vertical riser W11-150	148	150	0.7	733 499 5	734 104 7		17
Vertical riser W11-200	198	200	0.7	723 228 4	734 105 4	723 955 9	28
Vertical riser W11-300	298	200	0.7	723 229 1	734 106 1	723 956 6	39
Vertical riser W11-400	398	200	0.7	723 230 7	734 107 8	723 957 3	50
Vertical riser W11-500	498	200	0.7	723 231 4	734 108 5	723 958 0	61
Vertical riser W11-600	598	200	0.7	723 232 1	734 109 2	723 959 7	73

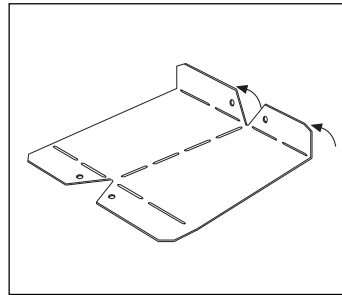
Use and installation



For upward or downward angling at a desired angle up to 90°. Push-in installation.



Should be attached with Screw set W38/W38P or Locking plug W41.



Vertical riser W11 is delivered flat and must be bent by the installer on the job site.

* EAN-code = 732167 + Part.no + C (control figure)

Dividing strip 39/24

WEF-0001

Mounted to divide a cable tray or lighting trunking into two or more channels in order to separate different types of cables and pipes. Mounted with Support band W6.

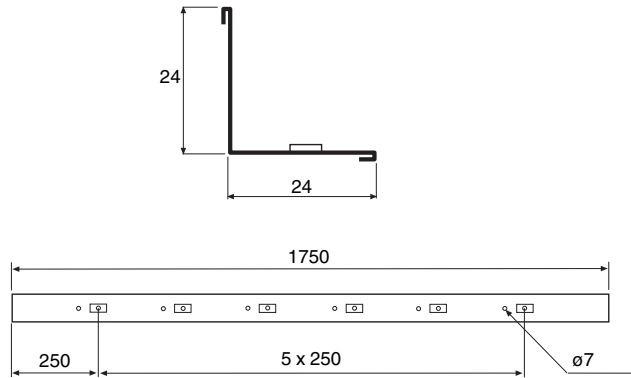
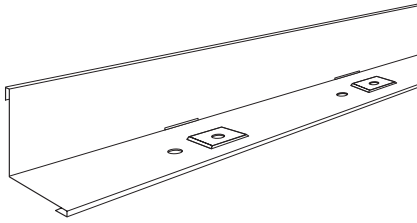
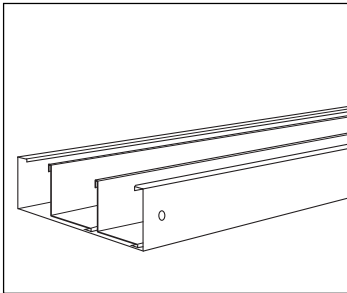
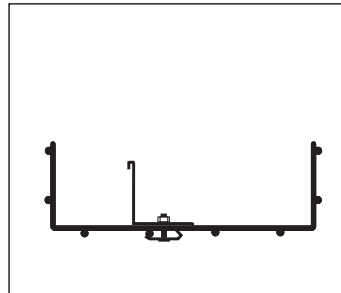


	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Dividing strip 39/24	0.6	718 835 2	731 747 9	725 593 1	717 950 3	46

Use and installation



Used to separate tray or trunking in two or more ducts thereby separating control cables from other cables and pipes. The hole structure at distances of 250 mm permits two fixing opportunities with Support bands W6 even after cutting.

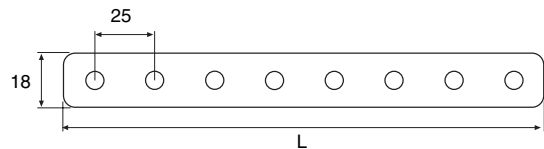
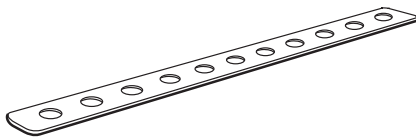


The dividing strip 39/24 can be mounted in the mesh tray with lashing wires or Profile clamp WN6.

Support band W6

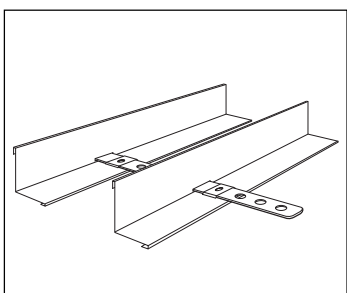
WEF-0001

The Support band W6 is mounted to fix the lateral position of one or several Dividing strips 39.



	L mm	Pre-galvanized Part. No. C*	Weight kg 100 pcs
Support band W6-70	67	718 828 4	1.0
Support band W6-100	97	718 829 1	1.4
Support band W6-200	197	718 830 7	2.8
Support band W6-300	297	718 831 4	4.3
Support band W6-400	397	718 832 1	5.7
Support band W6-500	497	718 833 8	7.2
Support band W6-600	597	718 834 5	8.6

Use and installation



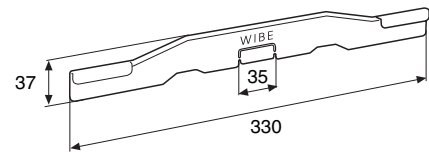
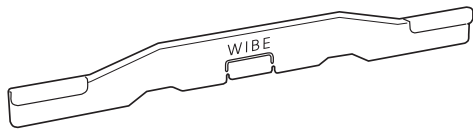
Support band W6 is mounted to fix one or more Dividing strips 39 laterally. The holes in the support band and the locking pins in Dividing strips 39 allow for a fixed division with intervals of 25 mm.

* EAN-code = 732167 + Part.no + C (control figure)

Insert piece W39

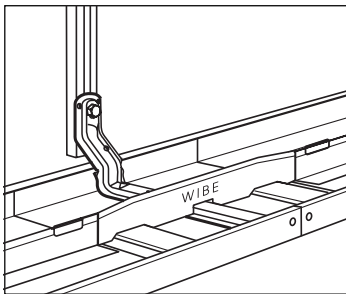
WEF-0021

Insert piece W39 is used to join Diving strips 39.



Insert piece W39	Plastic Part. No.	C*	Weight kg 100 pcs
	716 824	8	3

Use and installation

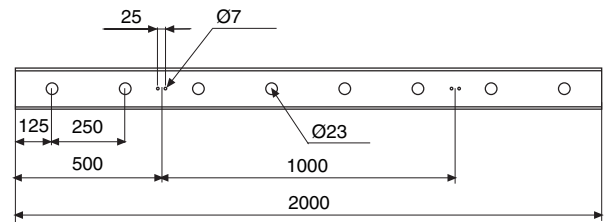
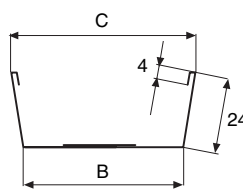
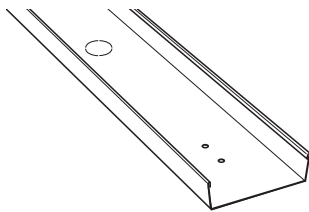


Insert piece W39 is used to join Diving strips 39 and is mounted on Support bracket/ joint W7 or Internal cantilever arm W17. When mounting over Internal cantilever arm W17, break away plastic bit from component.

Tele-conduit 36 with knock-out holes

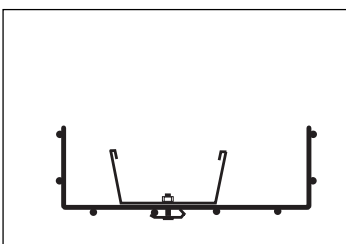
WEF-0001

Tele-conduit is installed where a separate tray is required for low-tension cables. Conduits of stainless steel are produced without knock-out holes.



	B mm	C mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Tele-conduit 36/50	42	50	725 065 3	731 748 6	725 590 0	725 068 4	94
Tele-conduit 36/100	92	100	725 066 0	731 749 3	725 591 7	725 069 1	142
Tele-conduit 36/200	192	200	725 067 7	731 750 9	725 592 4	725 070 7	238

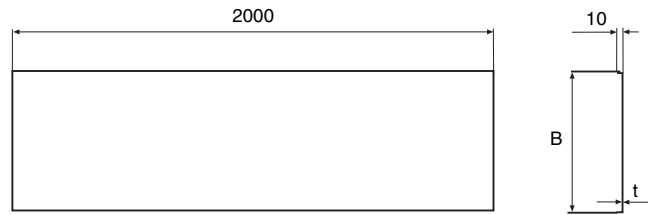
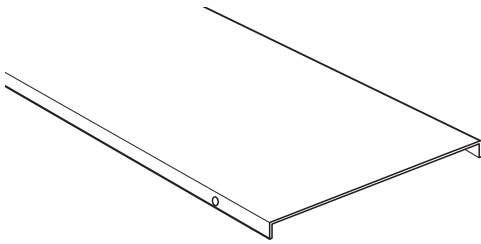
Use and installation



The Tele-conduit 36 can be mounted in the mesh tray by lashing or with Profile clamp WN6.

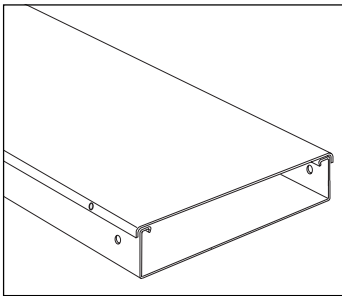
* EAN-code = 732167 + Part.no + C (control figure)

Length 2000 mm. The cover is used for screening control cables and in dusty and dirty premises.

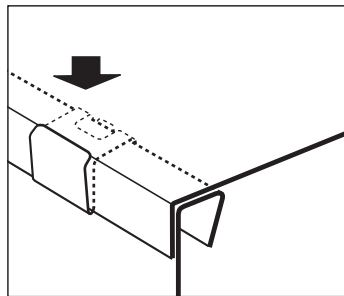


	t mm	B mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Cover W5-60	0.7	61	732 213 8	732 261 9	732 288 6	732 271 8	90
Cover W5-70	0.7	71	732 214 5	732 262 6	732 289 3	732 272 5	100
Cover W5-100	0.7	101	732 215 2	732 263 3	732 290 9	732 273 2	140
Cover W5-150	0.7	151	732 216 9	732 264 0	732 291 6	732 274 9	190
Cover W5-200	0.7	201	732 217 6	732 265 7	732 292 3	732 275 6	250
Cover W5-300	0.7	301	732 218 3	732 266 4	732 293 0	732 276 3	360
Cover W5-400	1.0	401	732 219 0	732 267 1	732 294 7	732 277 0	680
Cover W5-500	1.0	501	732 220 6	732 268 8	732 295 4	732 278 7	840
Cover W5-600	0.7	601	732 221 3	732 269 5	732 296 1	732 279 4	700

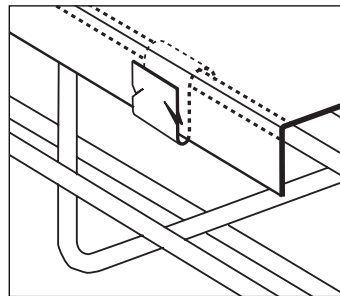
Use and installation



Used for screening of control cables and in dusty and dirty premises.



Cover must be mounted on cable trays with Cover clamp W62.



Cover must be mounted on mesh trays with Cover clamp WN63.

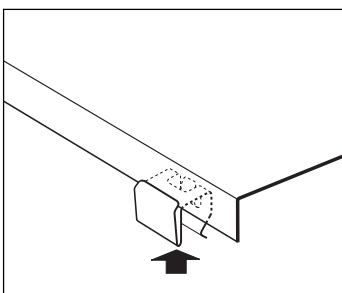
Cover clamp W62

Used for fixing covers on Trays W1 and W3 as well as on Lighting trunking W70/W71.

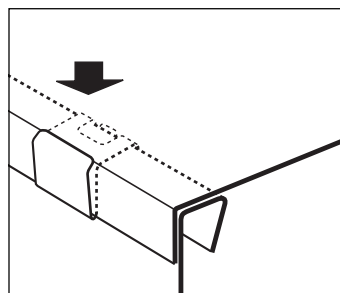


	Stainless steel (AISI 304) Part. No. C*	Weight kg 100 pcs
Cover clamp W62	730 186 7	0.8

Use and installation



Cover clamp W62 used for fixing the covers on Cable tray W1 and W3 as well as on Lighting trunking W70/W71.

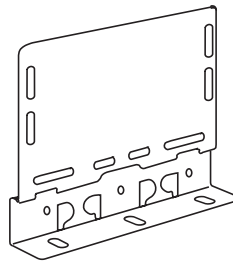
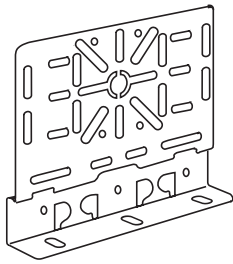


Start by pressing the Cover clamp W62 over the sides of the cover. Followed by snapping the cover over the folded edges of the tray. 6 Cover clamps W62 are needed per cover.

Junction box plate W24

WEF-0001

Junction box plate W24 for installing junction boxes, light fittings etc. in cable trays, mesh trays or lighting trunkings. Junction plate W24, unholed, is mounted when there is a need to drill one's own holes.



Unholed

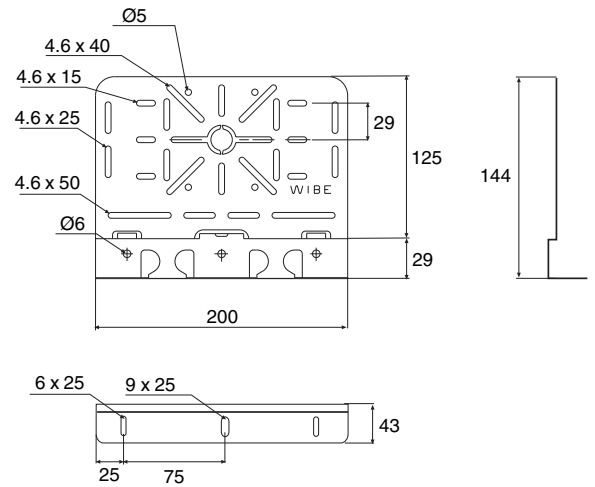
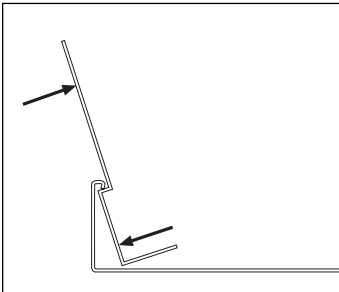
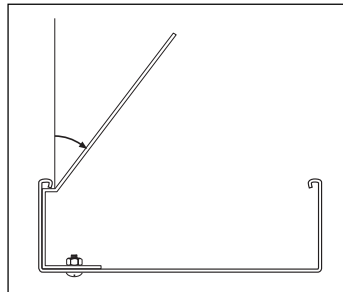


	Plate thickness mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Junction box plate W24	1.0	717 995 4	734 617 2	725 588 7	717 996 1	31
Junction box plate W24, unholed	1.0	730 247 5			730 248 2	31

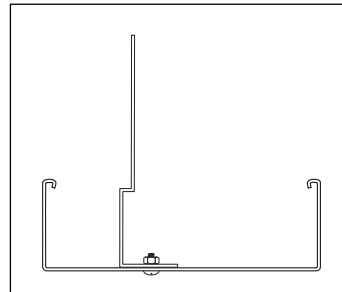
Use and installation



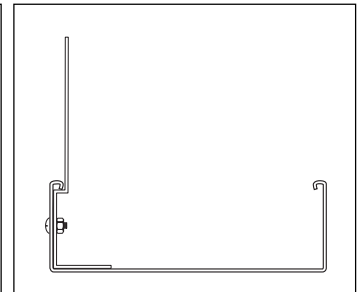
The Junction box plate W24 is mounted either between the bottom of the trunking or tray and its folded seam.



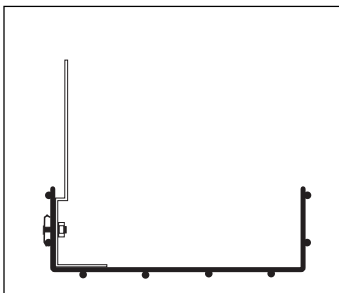
If necessary, the Junction box plate W24 can be screwed tight directly in Tray W3 with Screw set W38/W38P. If one requires a hidden socket box, the junction box should be folded inwards.



Can be mounted in the middle of Lighting trunking W70/W71-100 and W70-200 or Tray W3 using Screw set W38/W38P.



To firmly attach Junction box plate W24 in Tray W1 or W3, use blind rivets, self-tapping screws or Screw set W38/W38P.



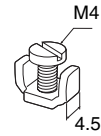
The junction box plate W24 can be mounted inside the mesh tray with profile clamp WN6 in the bottom or on side of the tray.

* EAN-code = 732167 + Part.no + C (control figure)

Earth clamp W79

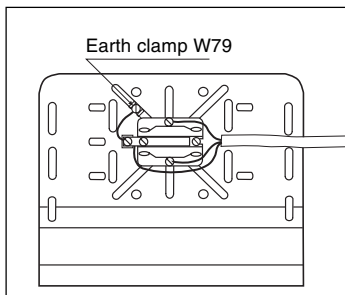
WEF-0001

Suitable for mounting on Junction box plate W24.
Used for protective earthing.



	Electro-galv. Part. No. C*	Weight kg 100 pcs
Earth clamp W79	716 640 4	0.2

Use and installation

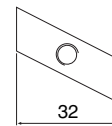
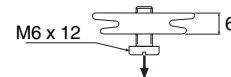
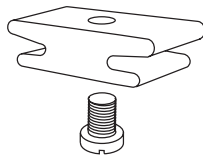


Earth clamps W79 are intended for use when the earthing of mounting plates for the installation of machines complying with regulations for use of high tension current is required. The junction box plate's (mounting plate's) oval holes facilitate the moving of the Earth clamp W79 so that it is always located under the machine casing. If the machine's earth clamp is not approved for splicing of earth cable, this must pass in unbroken state through the machine's earth clamp to the earth clamp in the junction box plate. Wibe Junction box plate W24 and Earth clamp W79 are approved by the National Electrical Inspectorate 850513 in accordance with annotation S24-138/85.

Luminaire bracket W56

WEF-0001

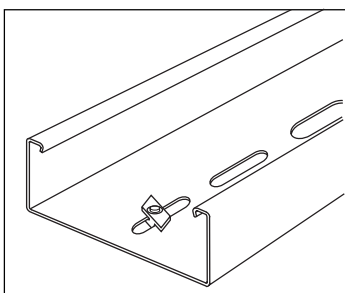
Used for installation of light fittings in Lighting trunking W71.



Max load 150 kg

	Aluminium Part. No. C*	Weight kg 100 pcs
Luminaire bracket W56 (screw MSCS6 x 12)	734 565 6	1

Use and installation



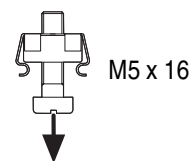
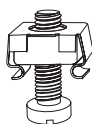
Always mount the Luminaire bracket W56 from above so that it rests in the tray.

* EAN-code = 732167 + Part.no + C (control figure)

Luminaire bracket W55

WEF-0001

Used for mounting of light fittings under Lighting trunking W70/W71.

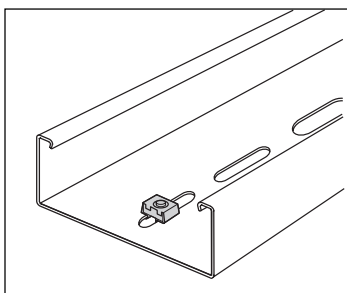


Max. load 50 kg

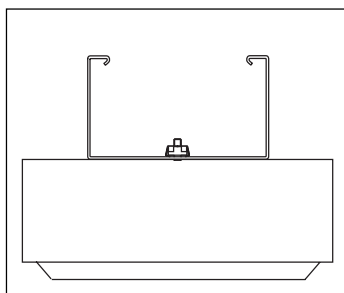
Electro-galv. Part. No. C*	Weight kg 100 pcs
720 979 8	0.8

Luminaire bracket W55

Use and installation



Mounted in the mounting holes in Lighting trunking W70/W71.



Always mount the Luminaire bracket W55 from above so that it rests in the tray.

Luminaire bracket W35

WEF-0001

For mounting of strip lighting centred under a Lighting trunking W70/W71. Use Screw set W36 or W34.

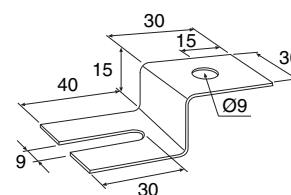
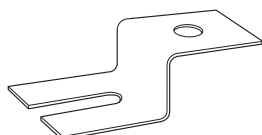


Plate thickness mm

Pre-galvanized Part. No. C*

Weight kg 100 pcs

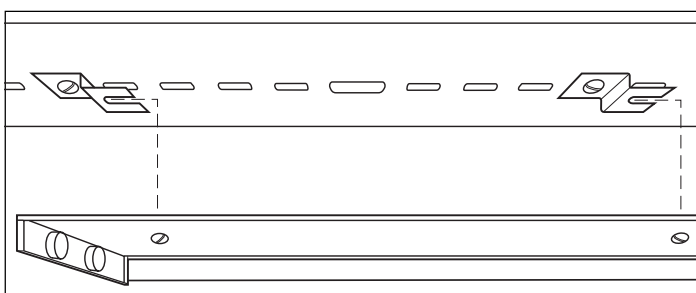
Luminaire bracket W35

1.5

715 650 4

3

Use and installation



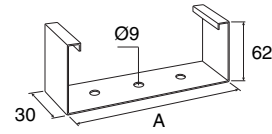
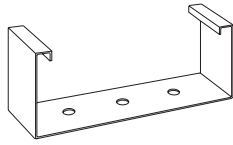
Mounted in the rail's module holes with Screw set W36 or W34. Note! The fork openings must be mounted in the same direction.

* EAN-code = 732167 + Part.no + C (control figure)

Luminaire bracket W25

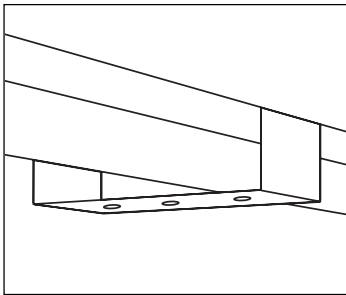
WEF-0001

Used for assembly of light fittings under Cable trays W1/W3 or Lighting trunking W70/W71.

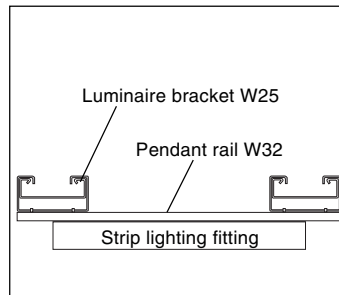


	A mm	Plate thickness mm	Pre-galv. +		Weight kg 100 pcs
			Pre-galvanized Part. No. C*	Powder coated white Part. No. C*	
Luminaire bracket W25-70	72	1.25	713 911 8	713 919 4	7
Luminaire bracket W25-100	101	1.25	713 912 5	713 920 0	8
Luminaire bracket W25-200	201	1.25	713 914 9	713 922 4	11
Luminaire bracket W25-300	301	1.25	713 916 3	713 924 8	19
Luminaire bracket W25-400	401	1.25	713 917 0	713 925 5	23
Luminaire bracket W25-500	501	1.25	713 918 7	713 926 2	27
Luminaire bracket W25-600	601	1.25	713 913 2	713 921 7	31

Use and installation



Used for installation of light fittings under tray or trunking. Can be moved along the tray or trunking.

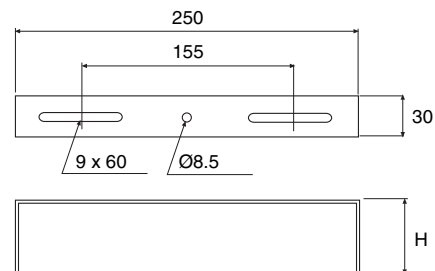
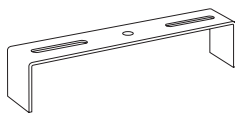


For mounting of light fittings between and under two trays or lighting trunking. The light fitting is easily moved along the tray or lighting trunking.

Luminaire bracket W50

WEF-0001

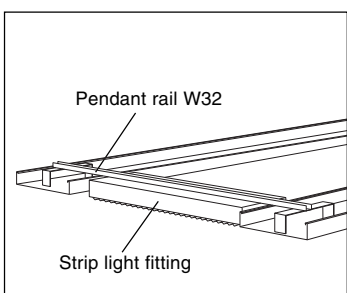
For mounting light fittings between two parallel Cable trays W1/W3 or Lighting trunking W70/W71. Dimension H is specified when ordering.



	H mm	Plate thickness mm	Pre-galv. +		Weight kg 100 pcs
			Pre-galvanized Part. No. C*	Powder painted white Part. No. C*	
Luminaire bracket W50	**	2.5	720 520 2	720 785 5	25***

** Selected with respect to height of the light fittings. *** H = 100 mm

Use and installation

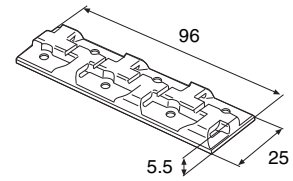
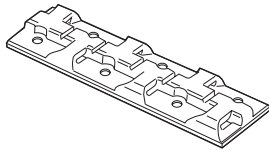


Mounted in the mounting holes in Lighting trunking W70/W71.

Strip fixing W44

WEF-0022

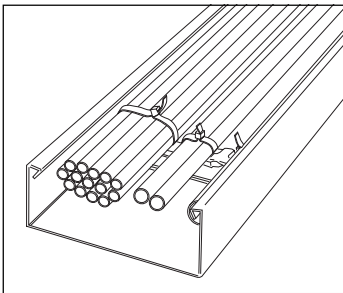
The Strip fixing W44 enables strapping of cables in an unperforated tray.



Strip fixing W44

Plastic (black)	Weight kg
Part. No. C*	100 pcs
718 469 9	1.0

Use and installation



Strip fixing W44 mounted in tray.

The Strip fixing W44 is provided with double sided adhesive tape and is attached to the tray bottom. Alternatively, blind rivets or self-tapping screws can be used. When mounting with double sided adhesive tape, the surface on the tray bottom must be wiped clean. Loads may not be applied

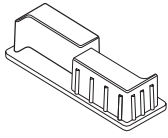
until after 24 hours. Full adhesion is obtained after 72 hours in 21°C. Ideal application temperature is 21°–38°C. Application below normal room temperature is not recommended. Each Strip fixing W44 can be split up in 2 to 6 pieces. Supplied with 50 pcs in a plastic bag.

* EAN-code = 732167 + Part.no + C (control figure)

End plug 7

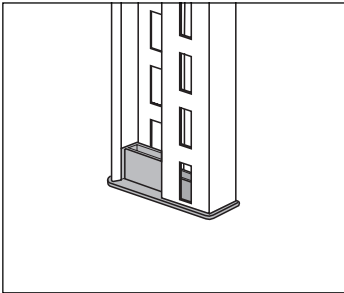
WEF-0014

Fits Vertical piece 7 and Pendant/Fixing rail 7.



	Polyamide (PA) Red Part. No. C*	Weight kg 100 pcs
End plug 7	730 178 2	1.5

Use and installation

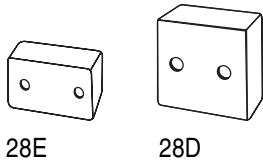


End plug 7 must always be used at the cut end of Vertical piece 7 or Pendant/Fixing rail 7.

End plug 28E and 28D

WEF-0003

Fitted to protect against personal injury.

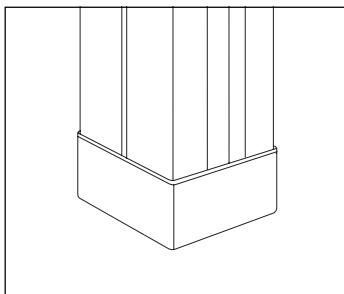
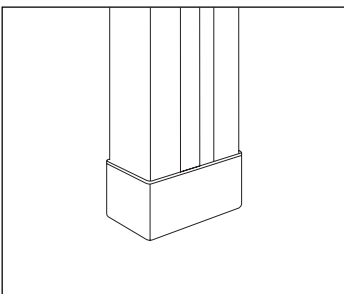


28E

28D

	Orange plastic Part. No. C*	Weight kg 100 pcs
End plug 28E	709 021 1	0.5
End plug 28D	709 020 4	1

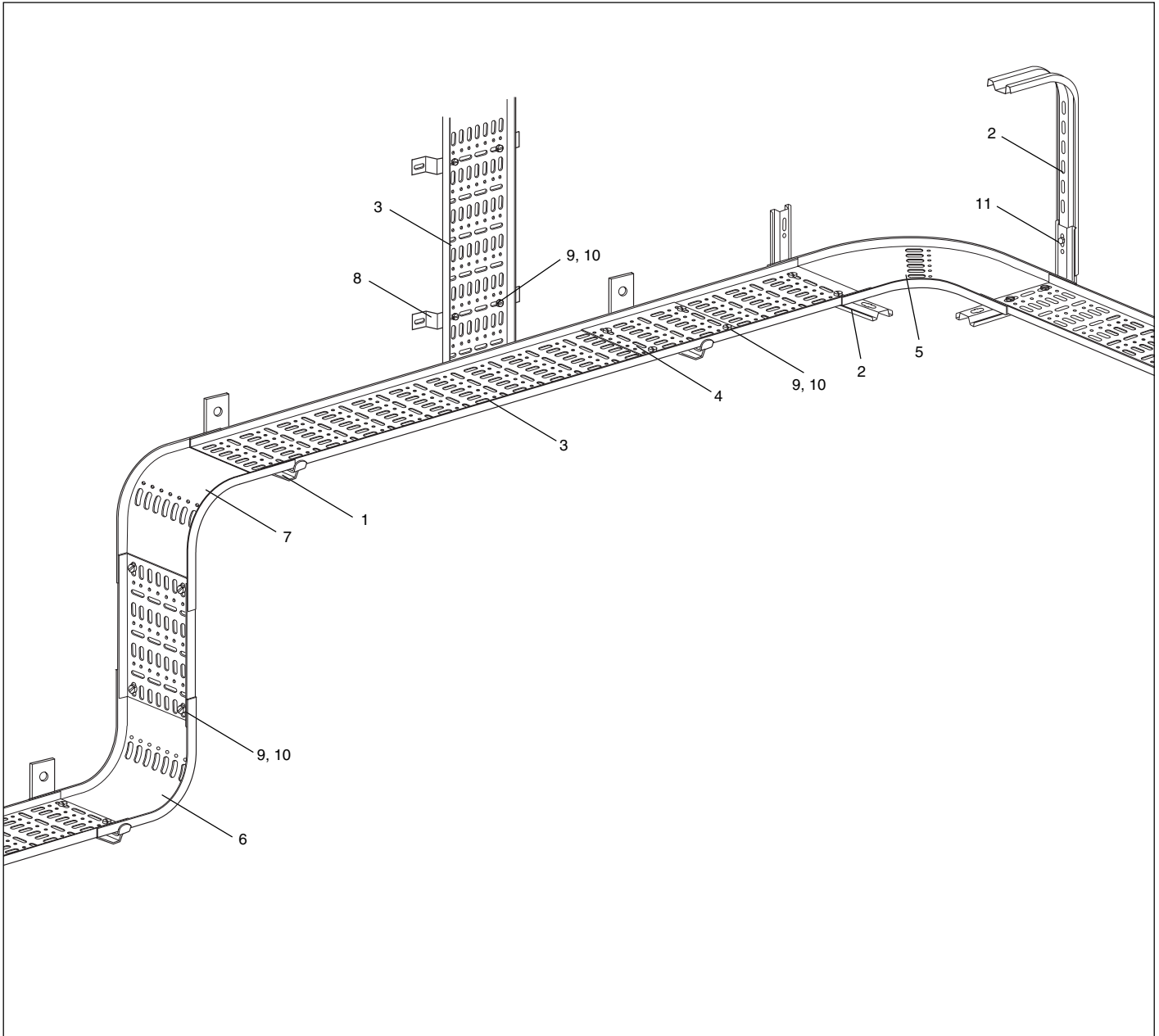
Use and installation



Mount End plug 28E for Vertical piece 2F to provide protection against injury. Fits Vertical piece 2F and Pendant/Fixing rail 24/48.

Mount End plug 28D for Vertical piece 20 in the end of the pendant to provide protection against injury. Fits Vertical piece 20 and Pendant/Fixing rail 24/20.

Installation tray W4 – outline of assembly



Components	Page
1. Cantilever arm 50 _____	23
2. Cantilever arm 70 _____	25
3. Installation tray W4 _____	68
4. Joint W4 _____	69
5. 90° bend W4 _____	70
6. Vertical riser W4, interior _____	70
7. Vertical riser W4, exterior _____	71
8. Stand-off bracket WN18 _____	83
9. Screw set W38 _____	93
(hot dip galvanized Installation tray) _____	
10. Screw set W34 _____	93
11. Screw set 70S _____	93

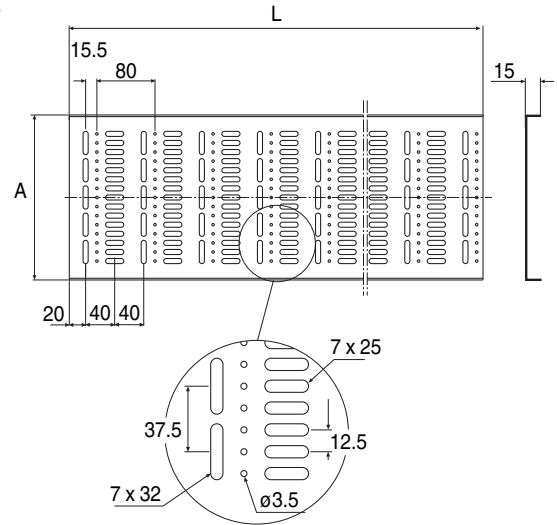
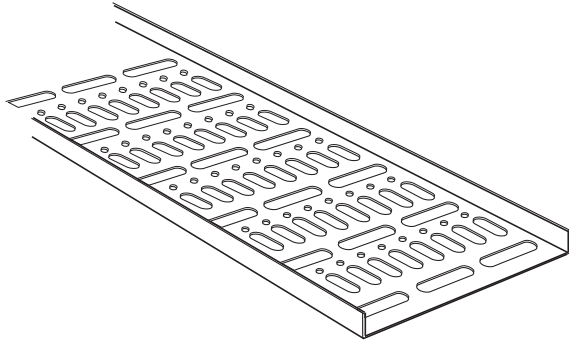
Wibe Installation trays W4 are perforated with a hole structure suitable for the majority of clamping methods. Suitable even for vertical wall mounting in industries, in lifts and fan rooms.

The 3.5 mm Ø holes in the tray bottom allow for clamping of cables with plate screws.

The tray can also be used for horizontal mounting on cantilever arms.

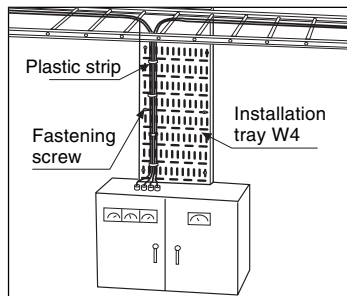
Maximum bracket distance 1.5 m. Joints are to be mounted on the cantilever.

Installation summary see page 67.



	L	A	t	Pre-galvanized	Hot dip galv.	Pre-galv. + Powder coated white	Weight kg
	mm	mm	mm	Part. No. C*	Part. No. C*	Part. No. C*	100 m
Installation tray W4 - 50	3000	50	1.0	735 988 2	735 977 6	736 010 9	50
Installation tray W4- 75	3000	75	1.0	735 989 9	735 978 3	736 011 6	65
Installation tray W4-100	3000	100	1.0	735 990 5	735 979 0	736 012 3	81
Installation tray W4-150	3000	150	1.0	735 991 2	735 980 6	736 013 0	110
Installation tray W4-200	3000	200	1.25	735 992 9	735 981 3	736 014 7	168
Installation tray W4-250	3000	250	1.25	735 993 6	735 982 0	736 015 4	206
Installation tray W4-300	3000	300	1.25	735 994 3	735 983 7	736 016 1	238
Installation tray W4-400	3000	400	1.25	735 995 0	735 984 4	736 017 8	313

Use and installation

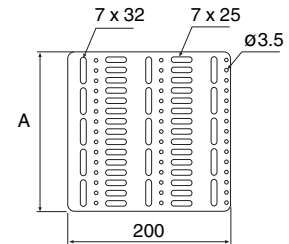
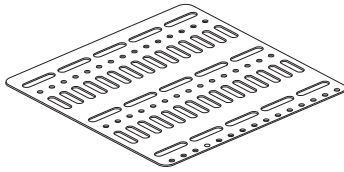


Suitable for leading cables down from a cable ladder to machine cabinet etc.

Joint W4

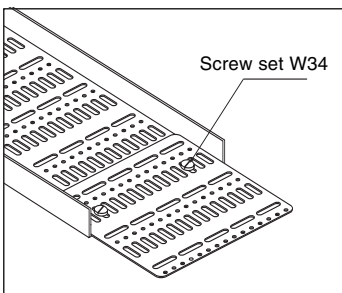
WEF-0001

For joining of Installation tray W4.



	A mm	Plate thickness mm	Pre-galvanized		Hot dip galv.		Pre-galv. + Powder coated white		Weight kg 100 pcs
			Part. No.	C*	Part. No.	C*	Part. No.	C*	
Joint W4-50	45	1.0	724 949	7	724 918	3	724 957	2	6
Joint W4-75	70	1.0	724 950	3	724 919	0	724 958	9	9
Joint W4-100	95	1.0	724 951	0	724 920	6	724 959	6	12
Joint W4-150	145	1.0	724 952	7	724 921	3	724 960	2	18
Joint W4-200	195	1.25	724 953	4	724 922	0	724 961	9	31
Joint W4-250	245	1.25	724 954	1	724 923	7	724 962	6	40
Joint W4-300	295	1.25	724 955	8	724 924	4	724 963	3	47
Joint W4-400	395	1.25	724 956	5	724 925	1	724 964	0	62

Use and installation

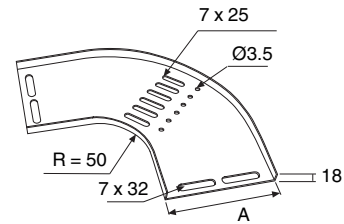
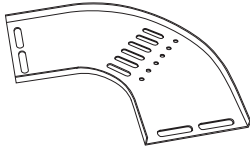


Used for joining Tray W4.
 Mounted inside pre-galvanized or powder coated trays with two Screw sets W34. Use two Screw sets W38 in hot dip galvanized trays.
 To be mounted on cantilever arm.

90° bend W4

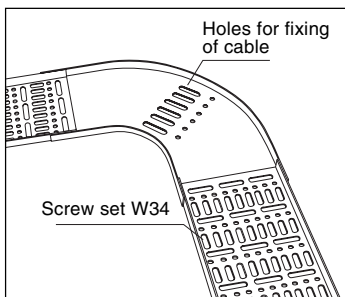
WEF-0001

For horizontal 90° angling of Installation tray W4.



	A mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
90° bend W4-50	52	724 848 3	724 981 7	724 878 0	12
90° bend W4-75	77	724 849 0	724 982 4	724 879 7	19
90° bend W4-100	102	724 850 6	724 983 1	724 880 3	26
90° bend W4-150	152	724 851 3	724 984 8	724 881 0	44
90° bend W4-200	202	724 852 0	724 985 5	724 882 7	66
90° bend W4-250	252	724 853 7	724 986 2	724 883 4	92
90° bend W4-300	302	724 854 4	724 987 9	724 884 1	121
90° bend W4-400	402	724 855 1	724 988 6	724 885 8	192

Use and installation

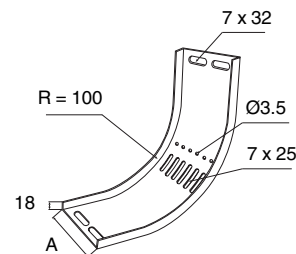
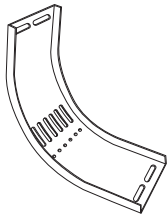


Used for horizontal 90° angling. Mounted outside of W4 trays. Attached in bottom with Screw set W34 (pre-galvanized and powder coated trays). In hot dip galvanized trays Screw set W38 must be used.

Vertical riser W4, interior

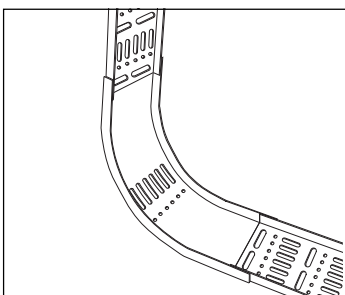
WEF-0001

For vertical 90° angling and for vertical 90° branching of Installation tray W4.

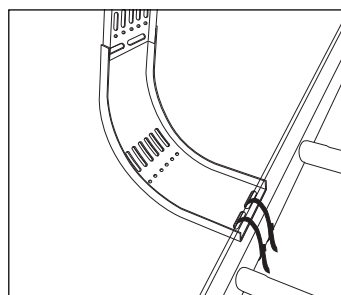


	A mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Vertical riser W4-50, interior	52	724 840 7	724 934 3	724 870 4	18
Vertical riser W4-75, interior	77	724 841 4	724 935 0	724 871 1	24
Vertical riser W4-100, interior	102	724 842 1	724 936 7	724 872 8	30
Vertical riser W4-150, interior	152	724 843 8	724 937 4	724 873 5	41
Vertical riser W4-200, interior	202	724 844 5	724 938 1	724 874 2	53
Vertical riser W4-250, interior	252	724 845 2	724 939 8	724 875 9	65
Vertical riser W4-300, interior	302	724 846 9	724 940 4	724 876 6	76
Vertical riser W4-400, interior	402	724 847 6	724 941 1	724 877 3	99

Use and installation



Used for vertical 90° angling. Mounted outside of Trays W4. Attached in bottom with Screw set W34 (pre-galvanized and powder coated trays). In hot dip galvanized trays Screw set W38 must be used.

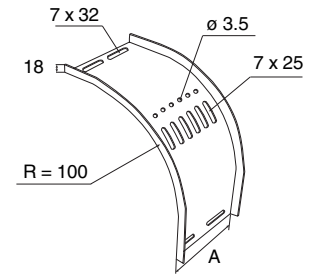
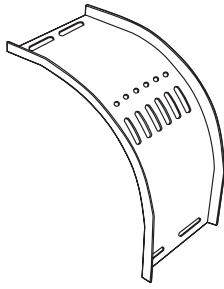


Used for vertical 90° angling from cable ladder. Attached to cable ladders with strips.

Vertical riser W4, exterior

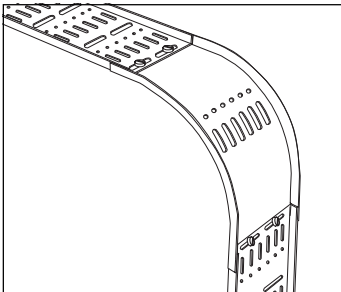
WEF-0001

For vertical 90° angling and for vertical 90° branching of Installation tray W4.

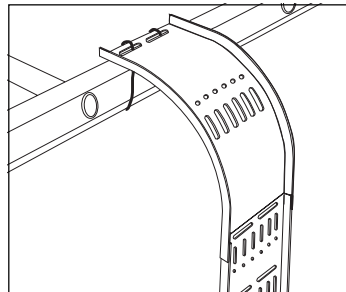


	A mm	Pre-galvanized		Hot dip galv.		Pre-galv. + Powder coated white		Weight kg 100 pcs
		Part. No.	C*	Part. No.	C*	Part. No.	C*	
Vertical riser W4-50, exterior	52	724 832	2	724 926	8	724 862	9	18
Vertical riser W4-75, exterior	77	724 833	9	724 927	5	724 863	6	24
Vertical riser W4-100, exterior	102	724 834	6	724 928	2	724 864	3	30
Vertical riser W4-150, exterior	152	724 835	3	724 929	9	724 865	0	41
Vertical riser W4-200, exterior	202	724 836	0	724 930	5	724 866	7	53
Vertical riser W4-250, exterior	252	724 837	7	724 931	2	724 867	4	65
Vertical riser W4-300, exterior	302	724 838	4	724 932	9	724 868	1	76
Vertical riser W4-400, exterior	402	724 839	1	724 933	6	724 869	8	99

Use and installation

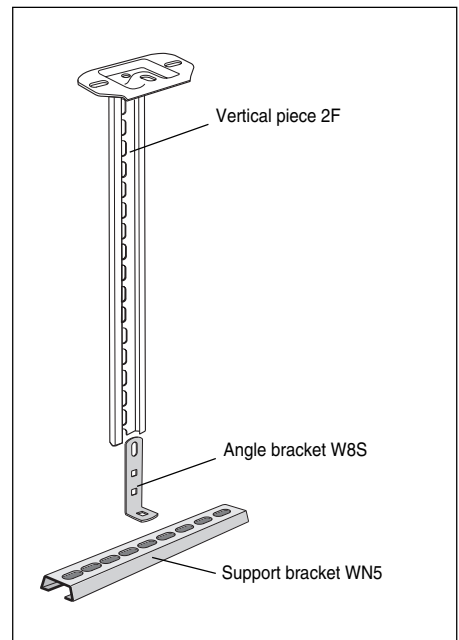
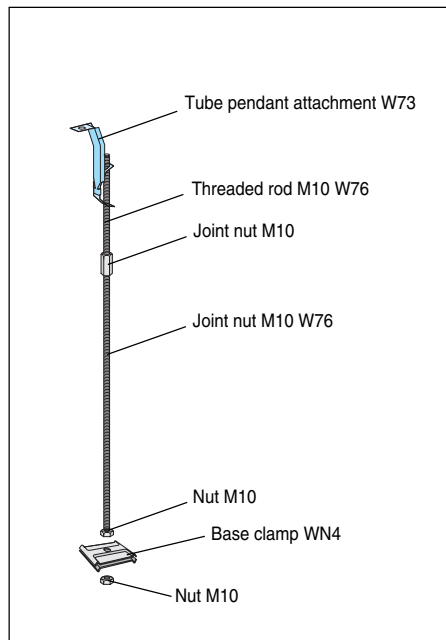
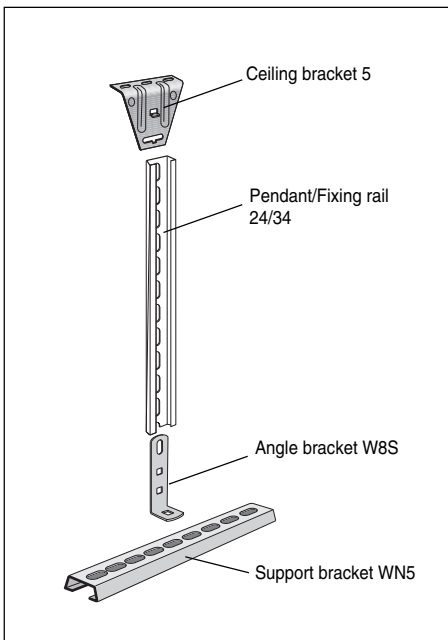
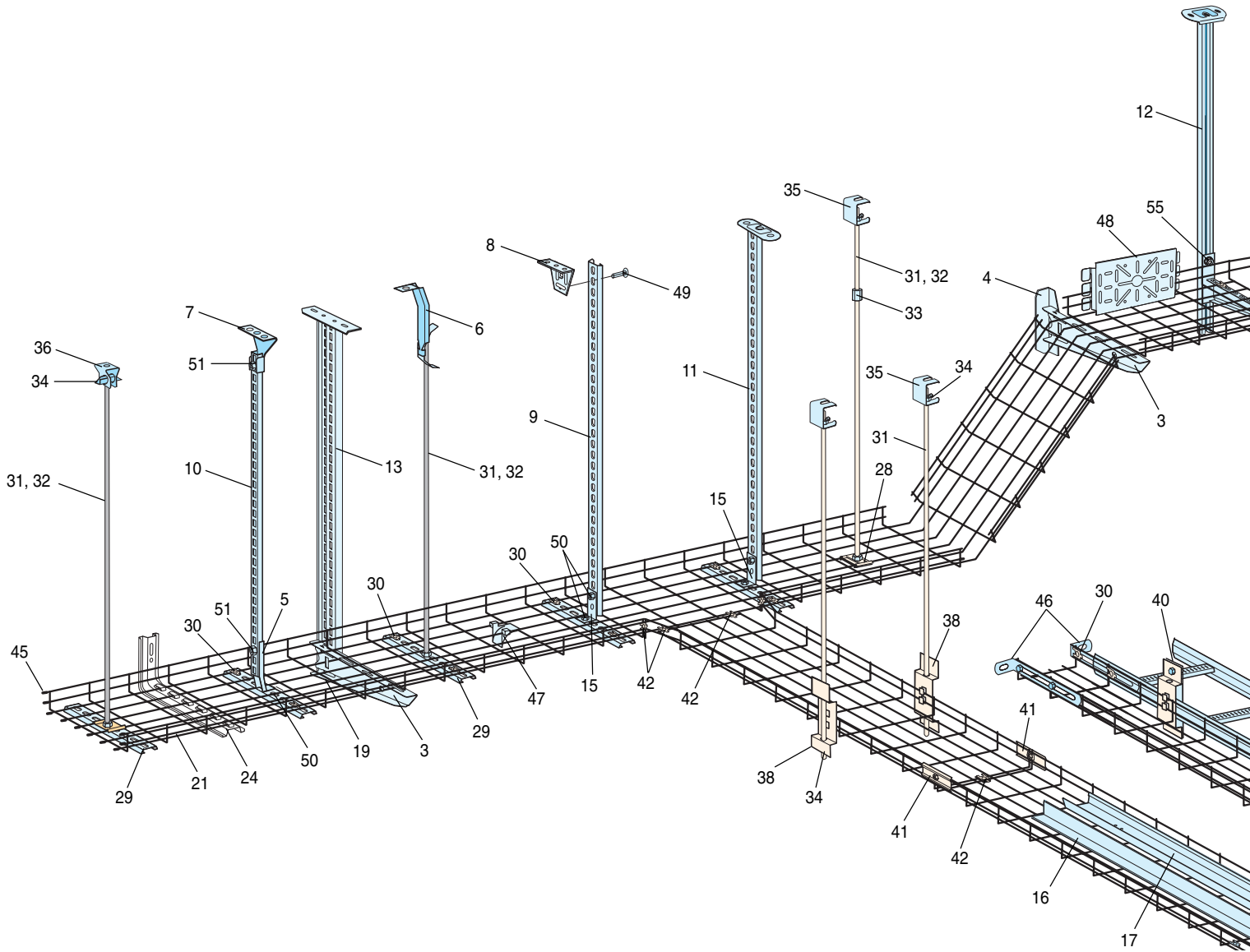


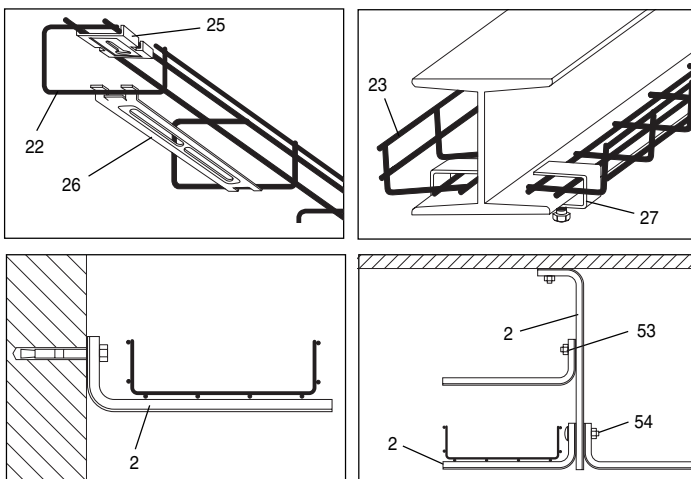
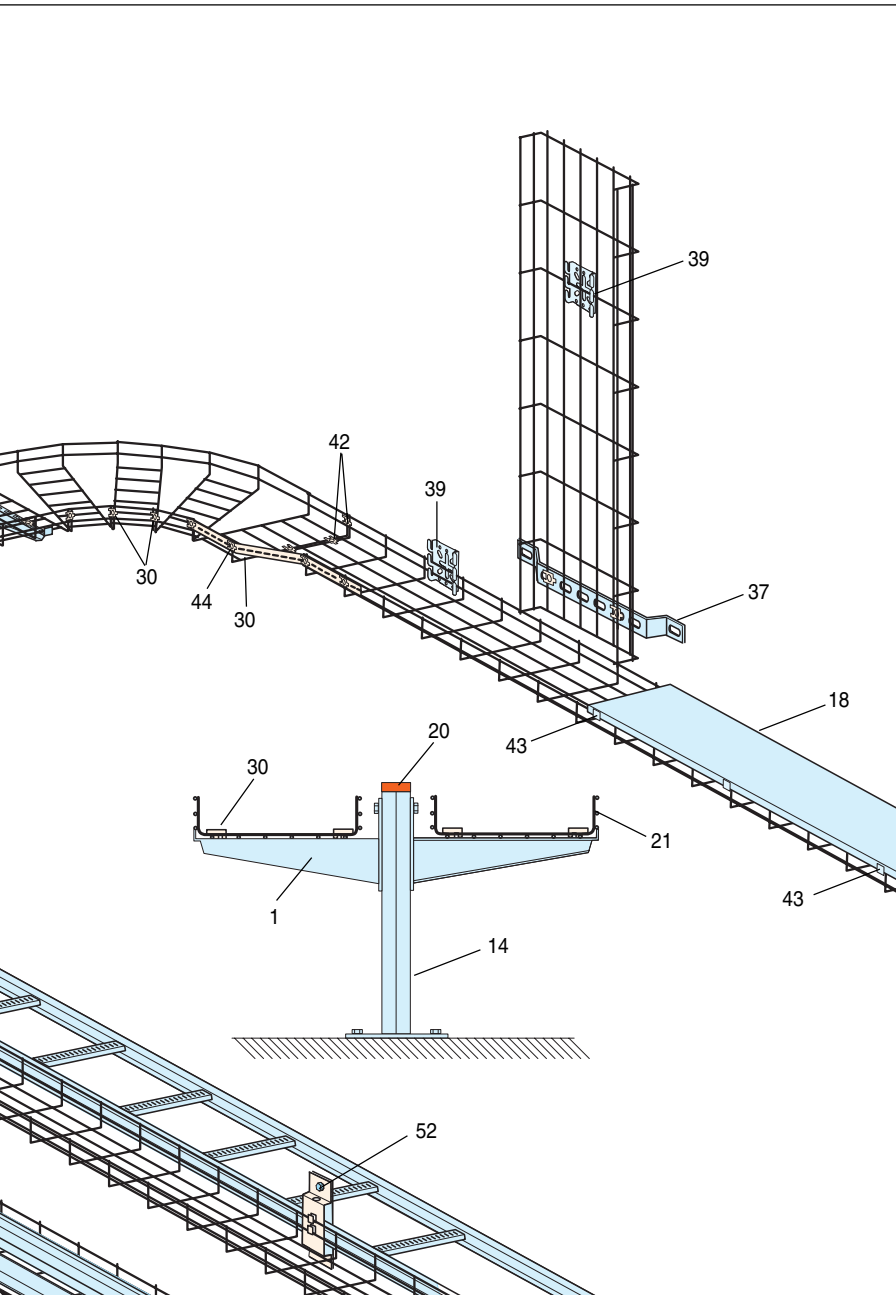
Used for vertical 90° angling. Mounted outside of Trays W4. Attached in bottom with Screw set W34 (pre-galvanized and powder coated trays). In hot dip galvanized trays Screw set W38 must be used.



Used for vertical 90° angling from cable ladder. Attached to cable ladders with strips.

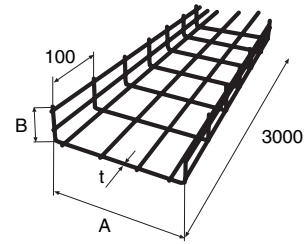
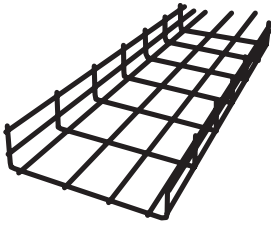
Mesh trays – Installation summary





Components	Page
1. Cantilever arm 50	23
2. Cantilever arm 70	25
3. Cantilever arm 80	26
4. Wall bracket 80	27
5. Pendant attachment W21	31
6. Tube pendant attachment W73	32
7. Ceiling attachment W31	34
8. Ceiling bracket 5	34
9. Pendant/Fixing rail 24/34	35
10. Pendant rail W32	36
11. Vertical piece 2	41
12. Vertical piece 2F	42
13. Vertical piece 7L/7	39
14. Vertical piece 20	43
15. Angle bracket W8S	47
16. Dividing strip 39/24	58
17. Tele-conduit 36 with knock-out holes	59
18. Cover W5	60
19. End plug 7	66
20. End plug E, D	66
21. Mesh tray WN62	74
22. Ceiling mesh tray WN2	75
23. Angle mesh tray WN1	75
24. Cantilever arm 70 Click	76
25. Ceiling bracket WN16	77
26. Luminaire bracket WN31	77
27. Angle bracket WN13	78
28. Base clamp WN4	78
29. Support bracket WN5	79
30. Profile clamp WN6	79
31. Threaded rod M8	80
32. Threaded rod M10 W76	80
33. Joint nut M8 and M10	81
34. Nut M8 and M10	81
35. Ceiling bracket WN14	82
36. Adjustable ceiling bracket WN15	82
37. Stand-off bracket WN18	83
38. Wall bracket WN20	83
39. Wall bracket WN21	84
40. Clamping plate WN23	85
41. Coupling clamp WN26	85
42. Joint clamp WN27	86
43. Cover clamp WN63	86
44. Joint plate WN28	87
45. End protection WN30	87
46. End bracket WN17	88
47. Optic fibre dropper WN40	89
48. Junction box plate WN32	90
Horizontal bend	91
Reducing	91
Level change	91
Bend with radius	91
90° bend	91
T-, X-junction	91
49. Screw set 22S	92
50. Screw set W36	92
51. Screw set W37	92
52. Screw set W34	93
53. Screw set 70S	93
54. Screw set 72S	93
55. T-bolt	94

Installation summary see page 72–73.

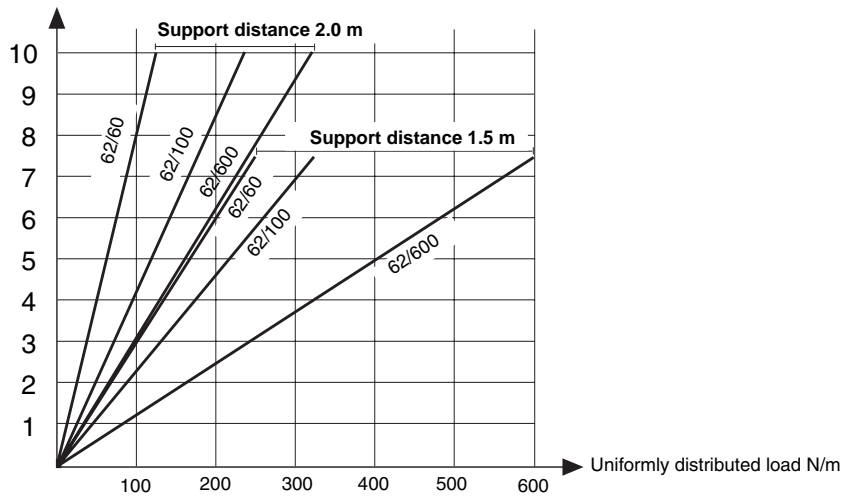


	A mm	B mm	Electro-galvanized		Hot dip galv.		Stainless steel (AISI 316)		Electro-galv. + Powder coated white		Weight kg 100 m				
			Part. No.	C*	t mm	Part. No.	C*	t mm	Part. No.	C*		t mm	Part. No.	C*	t mm
WN62 - 60	60	50	727 906	7	4.4	723 850	7	4.4	723 851	4	4.4	723 884	2	4.4	63
WN62 - 100	100	62	727 907	4	4.4	723 853	8	4.4	723 854	5	4.4	723 885	9	4.4	100
WN62 - 200	200	62	727 908	1	4.9	723 856	9	4.9	723 857	6	4.4	723 886	6	4.9	160
WN62 - 300	300	62	727 909	8	4.9	723 859	0	4.9	723 860	6	4.4	723 887	3	4.9	210
WN62 - 400	400	62	730 271	0	4.9	730 272	7	4.9	730 273	4	4.4	730 277	2	4.9	270
WN62 - 500	500	62	730 274	1	4.9	730 275	8	4.9	730 276	5	4.4	730 278	9	4.9	297
WN62 - 600	600	62	727 911	1	4.9	723 865	1	4.9	723 866	8	4.4	723 889	7	4.9	350

Loading diagram for Mesh tray WN62

The graph shows deflection in mm at uniformly distributed load in N/m at support distance 1.5 m and 2.0 m.

Deflection mm



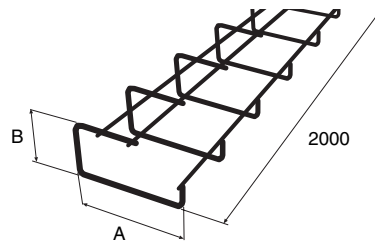
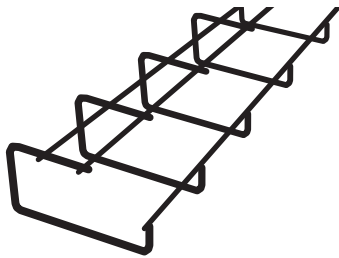
Coating

The mesh trays are zincplated and passivated (8–12 μ). Tests in salt atmosphere show that the corrosion resistance increases about 2.5 times compared with zincplating alone.

Ceiling mesh tray WN2

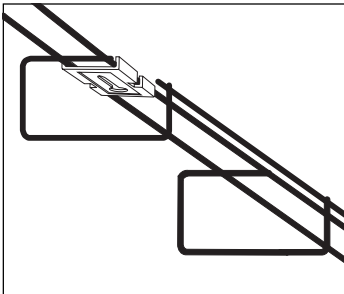
WEF-0001

For installation in ceilings.
Wire Ø4.4 mm.

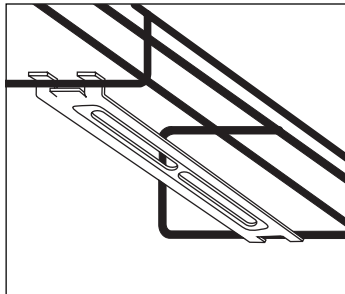


	A mm	B mm	Electro- galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Ceiling mesh tray WN2 - 75	80	60	727 987 6	727 988 3	727 989 0	727 990 6	80
Ceiling mesh tray WN2 - 100	100	60	727 991 3	727 992 0	727 993 7	727 994 4	100

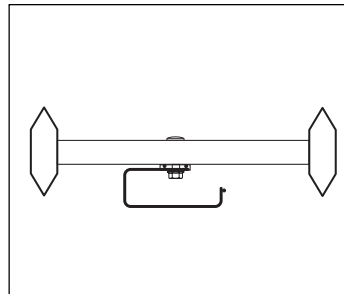
Use and installation



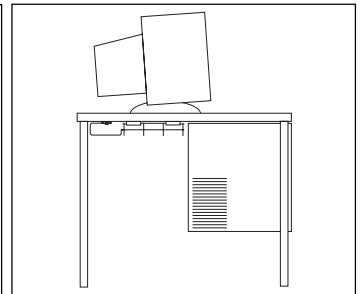
Mounted in ceilings with Ceiling bracket WN16.



Luminaire bracket WN31 can easily be mounted in the Ceiling mesh tray.



Mounted under cable ladders with Ceiling bracket WN16 and Screw set W37 or Screw set 2S.

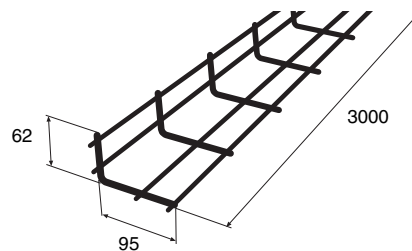
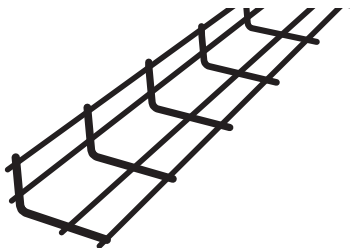


Mounted under desks with Ceiling bracket WN16.

Angle mesh tray WN1

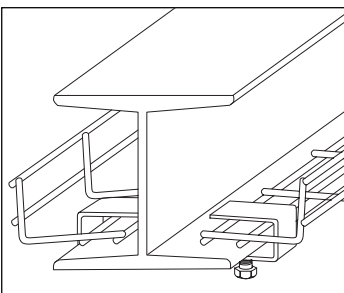
WEF-0001

For installation on beams.
Wire Ø4.4 mm.



	Electro- galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Angle mesh tray WN1	728 004 9	728 005 6	728 006 3	728 007 0	65

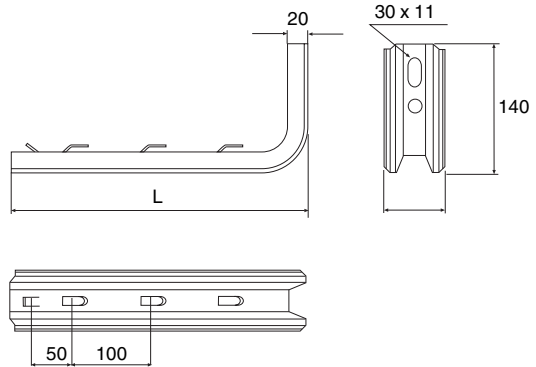
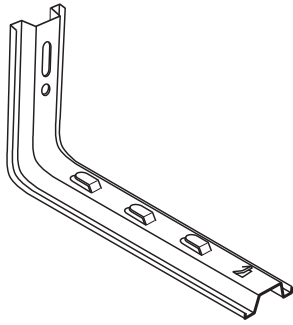
Use and installation



Mounted on beams with Angle bracket WN13

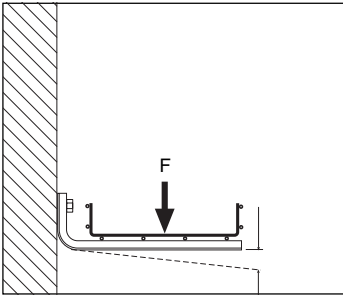
* EAN-code = 732167 + Part.no + C (control figure)

For Mesh trays WN62.



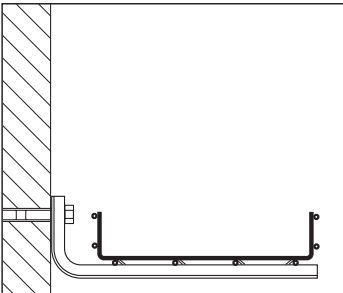
	L mm	Pre-galv. Part. No. C*	Hot dip galv. Part. No. C*	Weight kg 100 pcs
Cantilever arm 70/100 Click	150	735 424 5	735 428 3	40
Cantilever arm 70/150 Click	200	735 425 2	735 429 0	47
Cantilever arm 70/200 Click	250	735 426 9	735 430 6	53
Cantilever arm 70/300 Click	350	735 427 6	735 431 3	65

Loading table for Cantilever arm 70 Click on wall

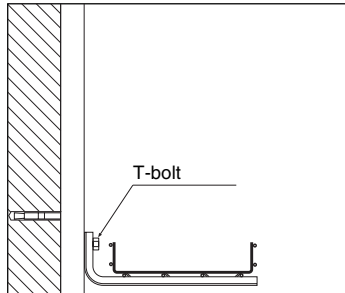


Type of cantilever arm	Max load F at 3° deflection of cantilever arm		Deflection in mm at 3° deflection of cantilever arm	Breaking load	
	kN	kg		kN	kg
70/100 Click	1.8	180	7	3.6	360
70/200 Click	1.2	120	12	2.4	240
70/300 Click	1.0	100	17	2.0	200

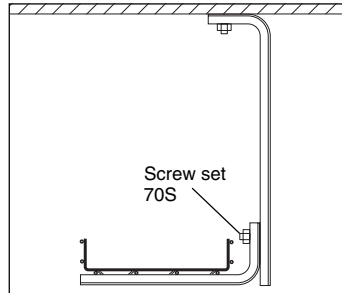
Use and installation



Cantilever arm 70 Click is mounted on wall with Expansion-shell bolt.



Cantilever arm 70 Click is mounted on pendant/fixing rail or Fixing rail for casting-in with T-bolt 26F-40.

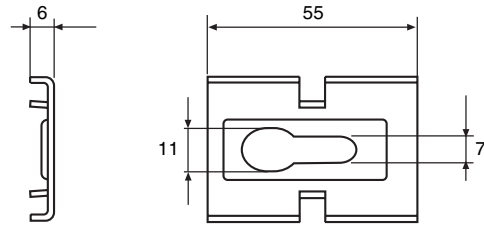
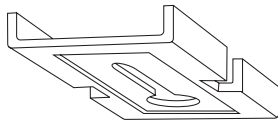


Cantilever arm 70 Click can be mounted as a vertical piece. Use Screw set 70S for mounting of Cantilever arm 70 on vertical piece.

Ceiling bracket WN16

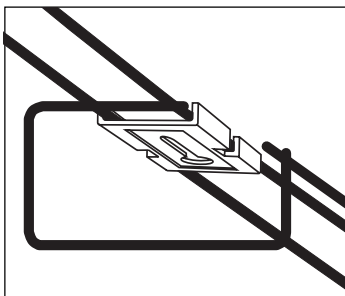
WEF-0001

For installation of Ceiling mesh tray WN2.

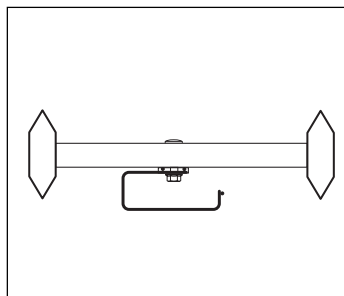


	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Ceiling bracket WN16	727 995 1	727 996 8	727 997 5	727 998 2	5

Use and installation



Ceiling mesh tray WN2 must be mounted with Ceiling bracket WN16.

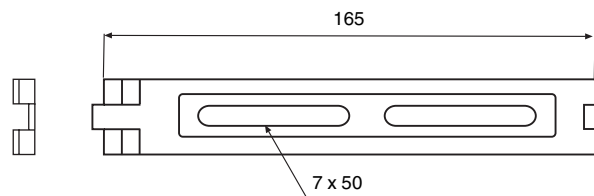
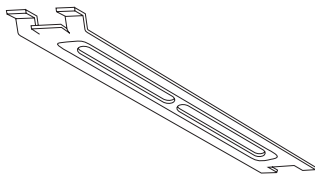


Ceiling mesh tray WN2 mounted under cable ladders with Ceiling bracket WN16 and Screw set W37 or Screw set 2S.

Luminaire bracket WN31

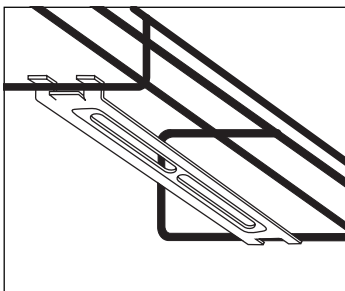
WEF-0001

Luminaire bracket WN31 must be used when armatures shall be mounted on Ceiling mesh tray WN2.



	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Luminaire bracket WN31	728 000 1	728 001 8	728 002 5	728 003 2	5

Use and installation



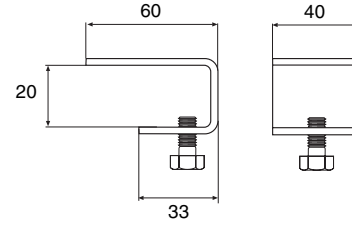
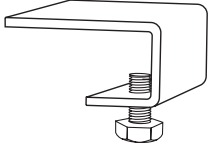
Armatures must be mounted on Ceiling mesh tray WN2 with Luminaire bracket WN31

* EAN-code = 732167 + Part.no + C (control figure)

Angle bracket WN13

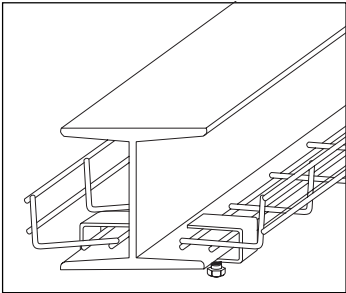
WEF-0001

For mounting of Angle mesh tray WN1 on beams.



	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Angle bracket WN13	728 008 7	728 009 4	728 010 0	728 011 7	5

Use and installation

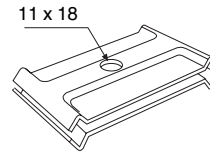
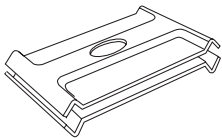


Used for mounting of Angle mesh tray WN1 on beams.

Base clamp WN4

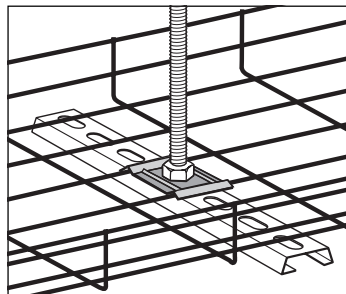
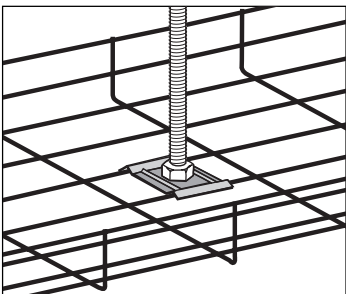
WEF-0001

Used as support bracket in Mesh tray WN62.



	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Base clamp WN4	727 926 5	728 875 5	723 930 6	725 045 5	7

Use and installation



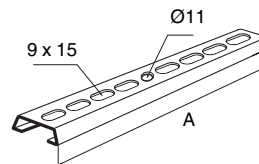
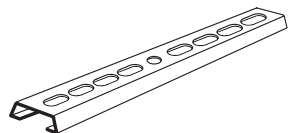
Base clamp WN4 must be mounted in centre position of the tray with Threaded rod M8 or M10W76. 2 nuts M8 or M10 must be used per Base clamp WN4.

Reinforced installations can be made using the top part of Base clamp WN4 and Support bracket WN5. Threaded rod M10W76 + 2 nuts M10 must be used.

Support bracket WN5

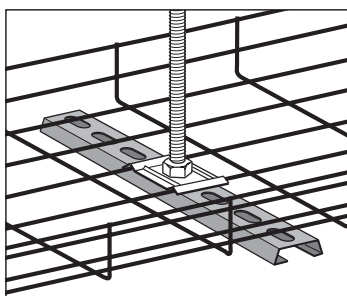
WEF-0001

Support brackets for centre mounting.

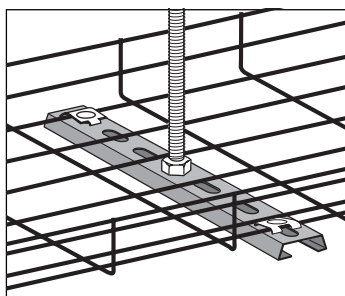


	A mm	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Support bracket WN5 - 100	110	723 916 0	723 940 5	725 046 2	725 051 6	9
Support bracket WN5 - 200	155	723 917 7	723 941 2	725 047 9	725 052 3	13
Support bracket WN5 - 300	245	723 918 4	723 942 9	725 048 6	725 053 0	20
Support bracket WN5 - 400	380	730 321 2	730 323 6	730 325 0	730 327 4	31
Support bracket WN5 - 500	470	730 322 9	730 324 3	730 326 7	730 328 1	38
Support bracket WN5 - 600	560	723 920 7	723 944 3	725 050 9	725 055 4	46

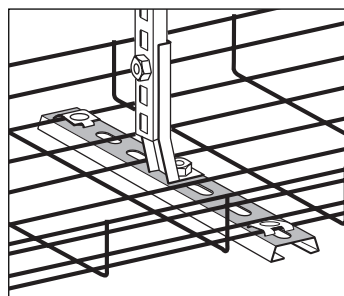
Use and installation



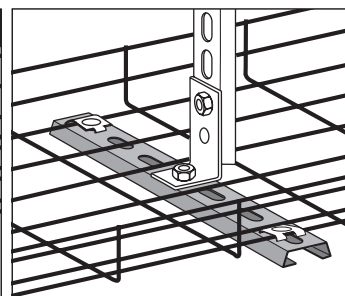
Support bracket WN5 mounted with the top part of the Base clamp WN4 as locking. Threaded rod M10W76 + 2 Nuts M10 must be used



Support bracket WN5 mounted direct on Threaded rod M10W76 with 2 Nuts M10. Lock the tray on the support bracket with 2 Profile clamp WN6.



Reinforced installations can be made with Pendant rail W32 and Pendant attachment W21. Use Screw sets W37 and W36. Lock with Profile clamp WN6.

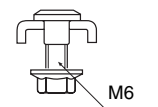
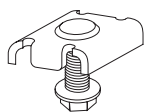


Vertical piece 2 or Pendant/fixing rail 24/34 mounted with Angle bracket W8S. Screw set W36 must be used.

Profile clamp WN6

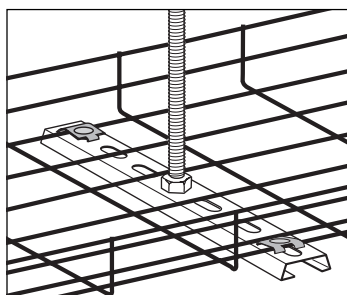
WEF-0001

For locking of mesh trays on support brackets, cantilever arm etc.

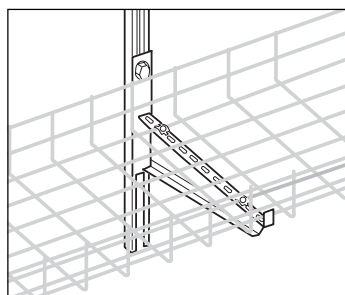


	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Weight kg 100 pcs
Profile clamp WN6	727 918 0	728 877 9	723 899 6	1.5

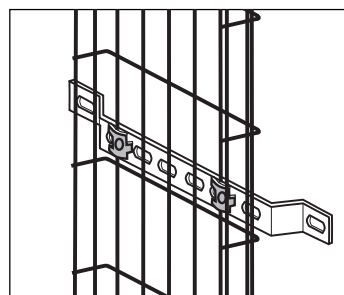
Use and installation



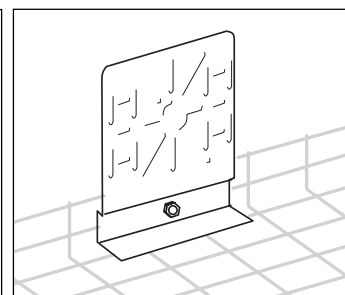
Profile clamp WN6 mounted on Support bracket WN5 to lock the tray.



Profile clamp WN6 mounted on Cantilever arm 50 to lock the tray.



The tray is mounted on Stand-off bracket WN18 with profile clamp WN6.



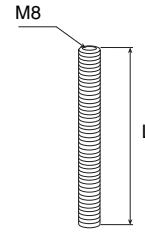
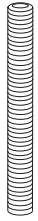
Junction box plates can be mounted in the side of the tray with Profile clamp WN6.

* EAN-code = 732167 + Part.no + C (control figure)

Threaded rod M8

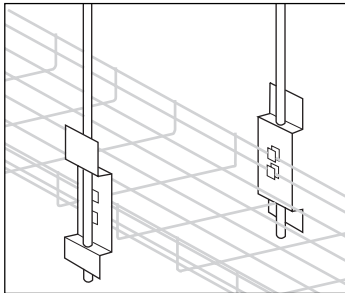
WEF-0001

Delivered in lengths of 0.5 and 1 m. Cut on site to suitable lengths.

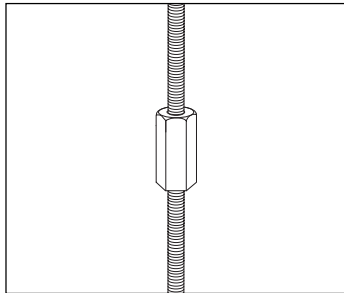


	L mm	Electro- galvanized Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Weight kg 100 pcs
Threaded rod M8 - 500	500	725 077 6	725 078 3	16
Threaded rod M8 - 1000	1 000	725 079 0	725 080 6	32

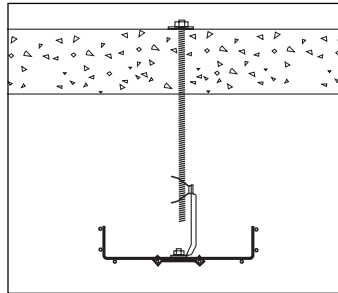
Use and installation



When uneven loads are expected on the tray, Threaded rod M8 can be mounted by means of Wall bracket WN20 on both sides of the tray.



Threaded rod M8 must be joined by Joint nut M8.

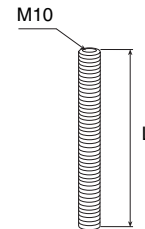
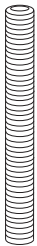


When installing in light concrete it is advisable to drill a through hole and drop the threaded rod M8 straight through. Install with Mounting set W78.

Threaded rod M10 W76

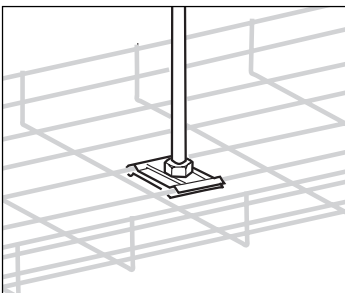
WEF-0001

Delivered in lengths of 2 and 3 m. Cut on site to suitable lengths.

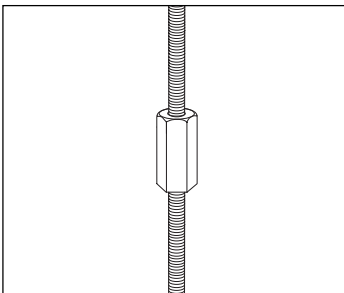


	L mm	Electro- galvanized Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Threaded rod M10 W76 - 2000	2 000	716 792 0	723 925 2	718 795 9	100
Threaded rod M10 W76 - 3000	3 000	716 793 7	723 926 9	718 797 3	150

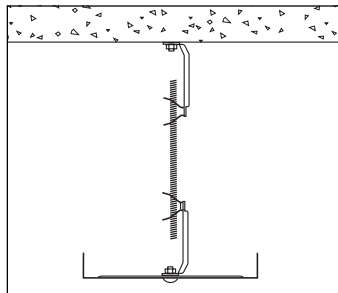
Use and installation



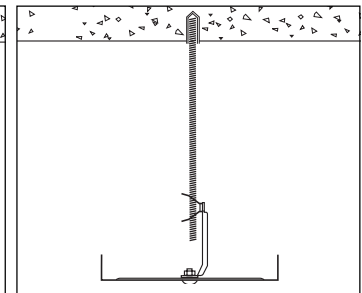
The Threaded rod M10 can be mounted in the tray with Base clamp WN4. 2 Nuts M10 are required.



Use Joint nut M10 when joining 2 pieces of Threaded rod M10W76.



The Threaded rod M10W76 is cut to the required length and mounted with 2 Tube pendant attachment W73.

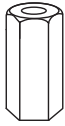


Installation directly in concrete ceilings using impact anchor EAM10 (10 mm).

Joint nut M8 and M10

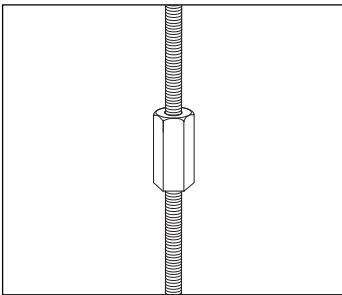
WEF-0001

Used for joining of threaded rods.



	Electro-galvanized		Stainless steel (AISI 316)		Weight kg 100 pcs
	Part. No.	C*	Part. No.	C*	
Joint nut M8	725 083	7	725 084	4	5
Joint nut M10	724 806	3	724 807	0	7.2

Use and installation



When joining two peices of Threaded rod M8 or M10W76 use Joint nut M8 or M10 respectively.

Nut M8 and M10

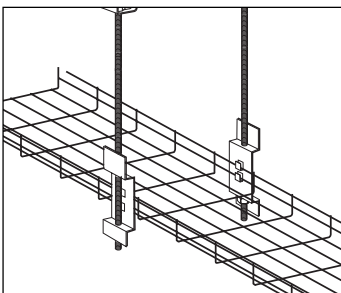
WEF-0001

Used with Threaded rod M8 or M10 W76.

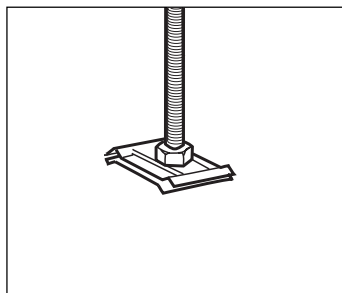


	Hot dip galv.		Stainless steel (AISI 316)		Weight kg 100 pcs
	Part. No.	C*	Part. No.	C*	
Nut M8	725 085	1	725 086	8	0.54
Nut M10	723 938	2	723 939	9	1.1

Use and installation



Wall bracket WN20 mounted with 1 Nut M8 on Threaded rod M8



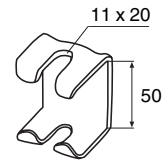
Threaded rod M10W76 can be mounted in the tray with Base clamp WN4. 2 Nuts M10 are required.

* EAN-code = 732167 + Part.no + C (control figure)

Ceiling bracket WN14

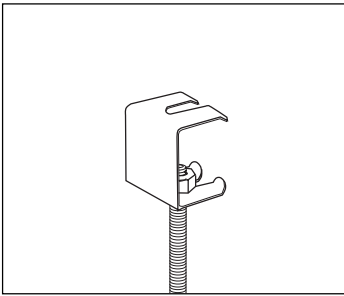
WEF-0001

Used for installation of Threaded rod M10 W76 in flat ceilings.



	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Hot dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Ceiling bracket WN14	723 923 8	725 056 1	725 057 8	10

Use and installation

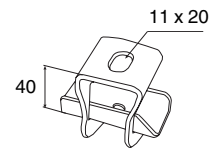


Threaded rod M10 W76 can be mounted in flat ceilings with Ceiling bracket WN14. 2 Nuts M10 are required.

Adjustable ceiling bracket WN15

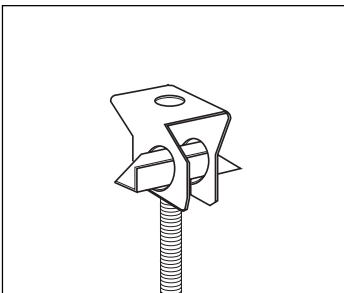
WEF-0001

Used for installation of Threaded rod M10 W76 in slanted ceilings.



	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Hot dip galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Adjustable ceiling bracket WN15	723 924 5	725 058 5	725 059 2	14

Use and installation

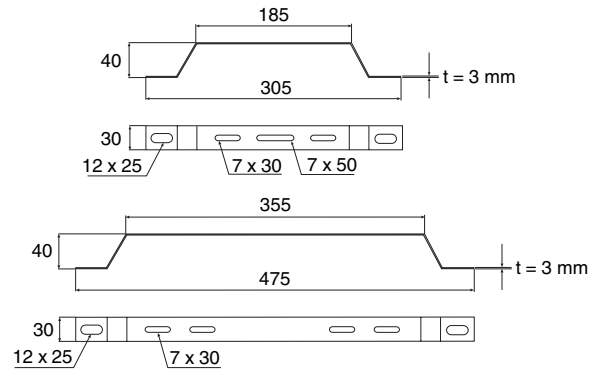
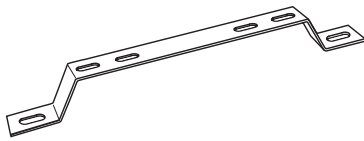


Threaded rod M10W76 can be mounted in slanted ceilings with Adjustable ceiling bracket WN15.

Stand-off bracket WN18

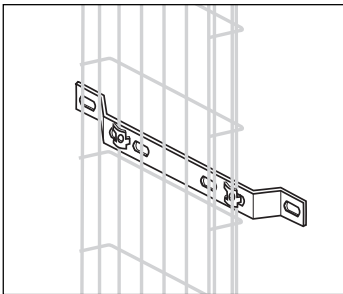
WEF-0001

Used for installation of mesh trays on wall.



	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Stand-off bracket WN18-180	723 967 2	723 968 9	725 081 3	725 060 8	20
Stand-off bracket WN18-350	723 969 6	723 970 2	725 082 0	725 061 5	34

Use and installation

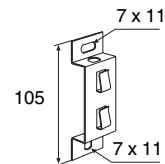
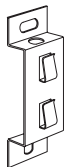


Use stand-off bracket WN18 for installation of mesh trays directly on wall. The tray must be mounted with 2 Profile clamp WN6.

Wall bracket WN20

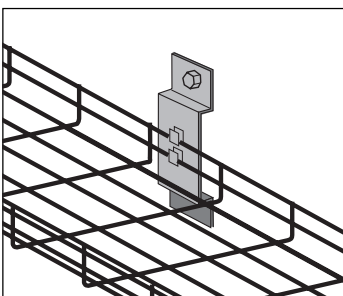
WEF-0001

For installation of mesh trays on wall or along cable ladders.

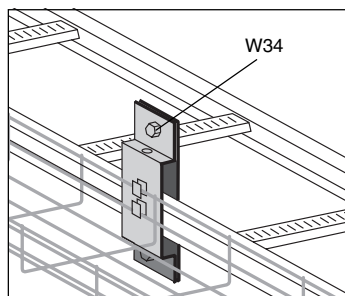


	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Wall bracket WN20	727 921 0	728 881 6	723 932 0	725 062 2	4

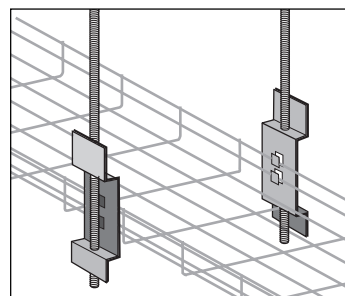
Use and installation



Light installations of mesh trays directly on wall can be made with Wall bracket WN20. Max tray width 200 mm.



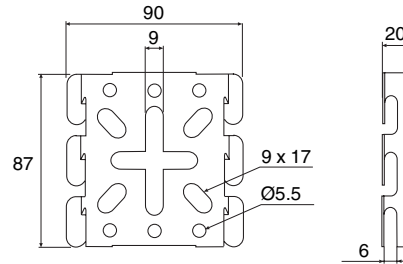
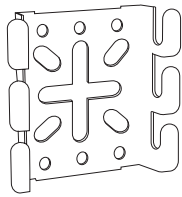
Mesh trays can be mounted along a cable ladder with Wall bracket WN20 and Clamping plate WN23. Screw set W34 must be used.



When uneven loads are expected on the tray, Threaded rod M8 can be mounted with of Wall bracket WN20 on both sides of the tray.

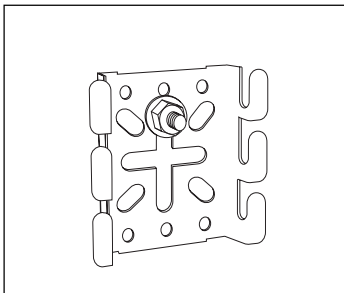
* EAN-code = 732167 + Part.no + C (control figure)

Wall bracket for mesh trays. Quick and easy to install.

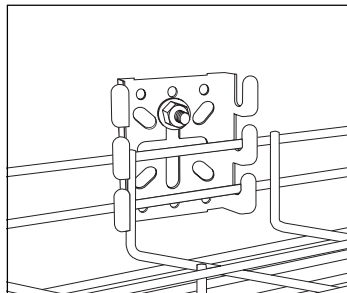


	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Wall bracket WN21	731 827 8	731 828 5	731 830 8	731 829 2	10

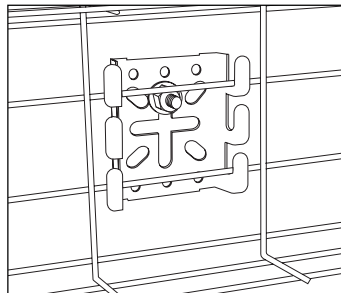
Use and installation



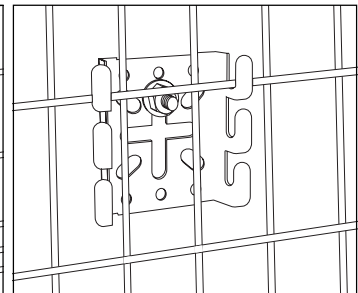
Wall bracket WN21 mounted on wall with e.g. Expansion-shell bolt.



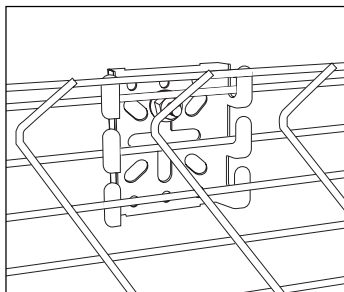
The side wires of the mesh tray are easily hooked on the tabs of Wall bracket WN21.



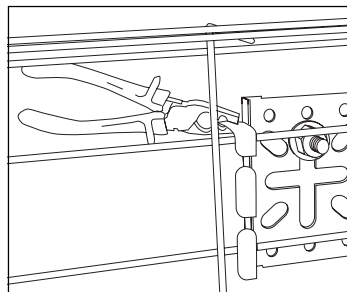
The mesh tray can also be mounted horizontally with the bottom against the wall.



The mesh tray can also be mounted vertically with the bottom against the wall.



The mesh tray can also be mounted at an angle of 45° against the wall.

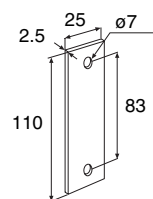


For safe installation the tabs of the Wall bracket WN21 must be folded around the wire of the mesh tray with pliers or similar.

Clamping plate WN23

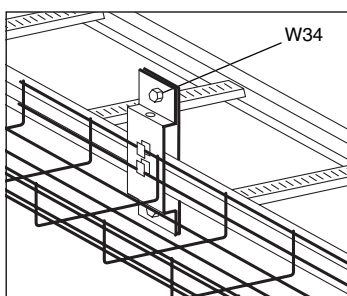
WEF-0001

Must be used with Wall bracket WN20 when a mesh tray shall be installed along a cable ladder.



	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Clamping plate WN23	724 802 5	728 882 3	727 971 5	725 063 9	5

Use and installation

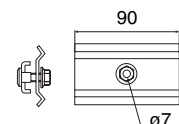
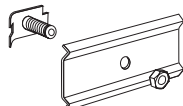


Clamping plate WN23 used with Wall bracket WN20 when a tray is mounted along a cable ladder. Screw set W34 must be used.

Coupling clamp WN26

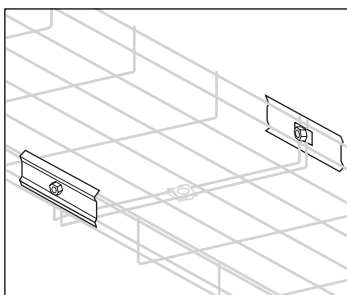
WEF-0001

For joining of straight mesh trays 300–600 mm.



	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Coupling clamp WN26	727 917 3	728 880 9	723 922 1	725 064 6	5

Use and installation



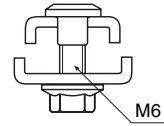
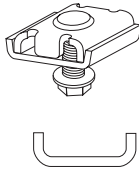
Mesh trays (300–600 mm) joined with Coupling clamp WN26.

* EAN-code = 732167 + Part.no + C (control figure)

Joint clamp WN27

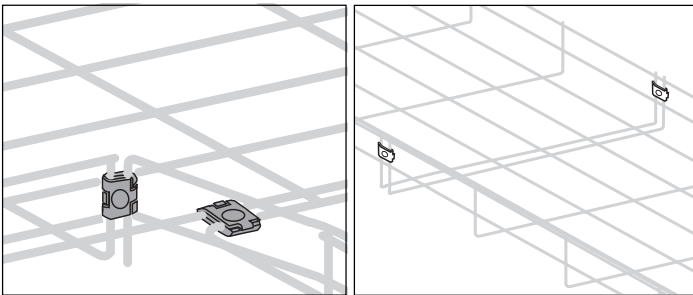
WEF-0001

Mesh trays (width 60–200 mm), 90° bends, T- and X-junctions are joined with Joint clamp WN27. For mesh trays width 300 and more Coupling clamp WN26 + Joint clamp WN27 must be used.



	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Weight kg 100 pcs
Joint clamp WN27	727 916 6	728 878 6	723 897 2	2.2

Use and installation

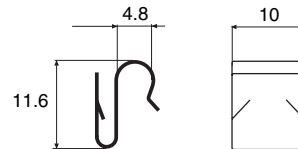


Reducings, horizontal bends, 90° bends, T- and X-junctions are joined with Joint clamp WN27.

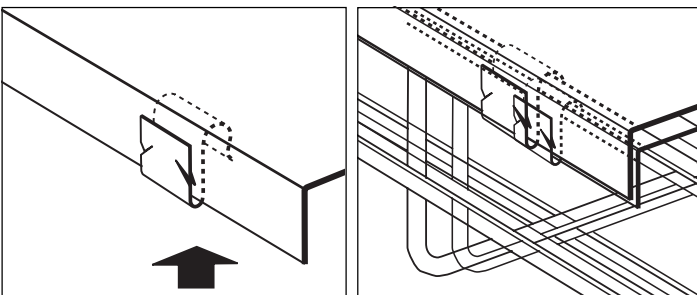
Mesh trays 60-200 mm are joined with WN27. Mesh trays which are 300 mm and wider must be joined with Coupling clamp WN26 in the sides and Joint clamp WN27 in the bottom.

Cover clamp WN63

WEF-0001



	Dacromet Part. No. C*	Weight kg 100 pcs
Cover clamp WN63	730 187 4	0.1



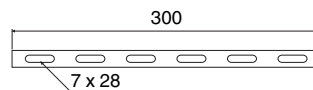
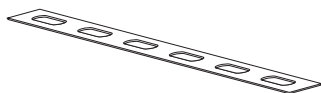
Used for fixing of covers on Mesh tray WN62.

Start with pressing Cover clamp WN63 on the folded sides of the cover. Followed by snapping the cover over the top longitudinal wire of the mesh tray. Use 6 cover clamps per cover.

Joint plate WN28

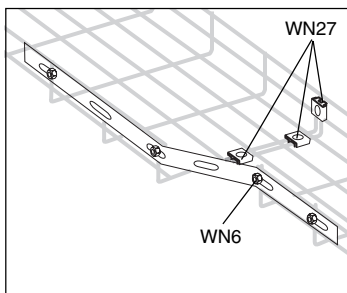
WEF-0001

Used when changing from one mesh tray width to another.



	Electro-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Electro-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Joint plate WN28	727 920 3	730 471 4	725 088 2	725 089 9	7

Use and installation



Joint plate WN28 must be used when changing from on tray width to another. Mounted with Profile clamp WN6.

End protection WN30

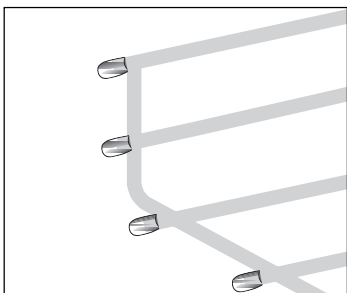
WEF-0005

End protection WN30 must always be used on cut ends of mesh trays in order to avoid injuries.



	Plastic Part. No. C*	Weight kg 100 pcs
End protection WN30	723 937 5	0.1

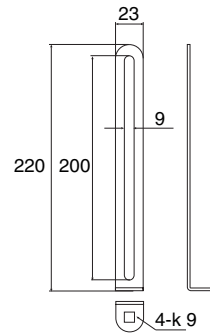
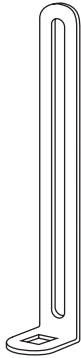
Use and installation



End protection WN30 must always be mounted on cut ends of mesh trays in order to avoid injuries.

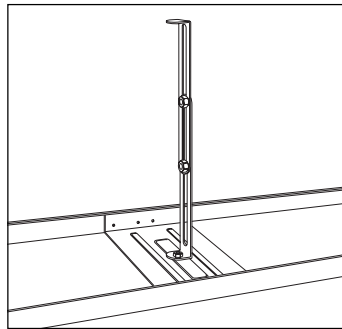
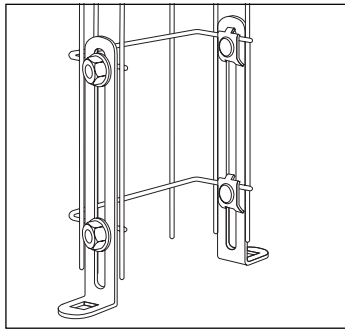
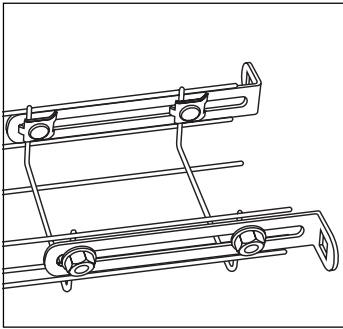
* EAN-code = 732167 + Part.no + C (control figure)

End bracket WN17 can be used on mesh trays when installed against wall or floor.
Can also be used as vertical piece.



	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
End bracket WN17	733 090 4	733 091 1	733 093 5	733 092 8	10

Use and installation



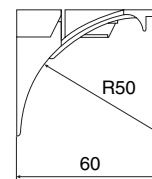
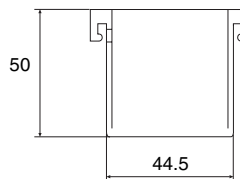
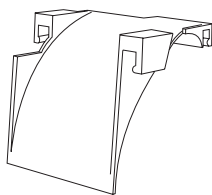
Mount 2 End bracket WN17 with 4 Profile clamp WN6 on the mesh tray when it shall be used horizontally against wall or vertically against floor.

End bracket WN17 can be used as vertical piece on Support bracket/joint W7 – use Screw set W36. The end brackets are joined with 2 Screw sets 22S. Max symmetrical load on the end bracket is 100 kg at a tightening torque of 10.4 Nm.

Optic fibre dropper WN40

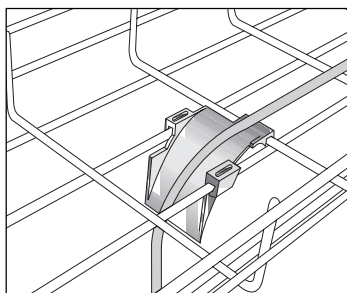
WEF-0010

Suits all mesh trays except WN62-60, Angle mesh tray WN1 and Ceiling mesh tray WN2.

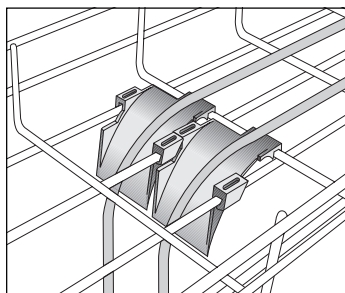


	Plastic Part. No. C*	Weight kg 100 pcs
Optic fibre dropper WN40	730 441 7	1

Use and installation

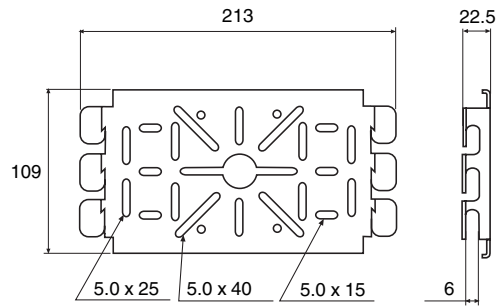
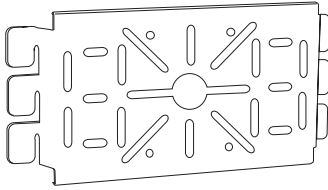


Mounted by means of snap locking in the bottom of the mesh tray. Used for soft pulling of e.g. optical fibre cables.



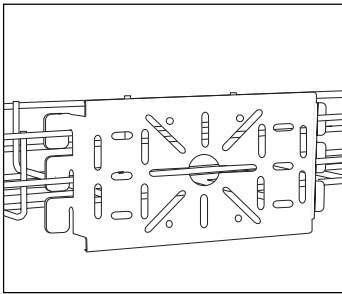
Two or more optic fibre droppers can be mounted close to each other.

For mesh trays.

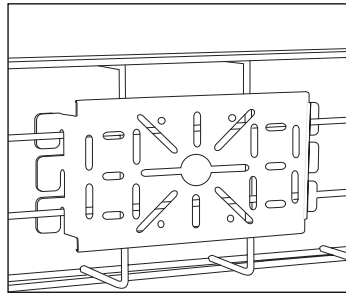


	Pre-galvanized Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316) Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
Junction box plate WN32	731 831 5	731 832 2	731 834 6	731 833 9	20

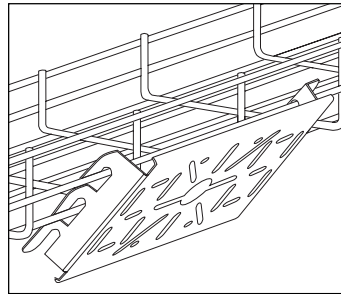
Use and installation



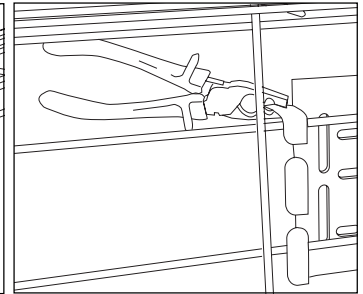
Easily mounted on the side of the mesh tray.



Can just as easily be mounted in the bottom of the mesh tray.



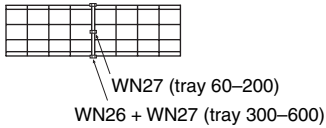
The Junction box plate WN32 can also be mounted with an inclination of 45° on the mesh tray.



Locking of the Junction box plate WN32 is easily made with pliers.

Installation examples

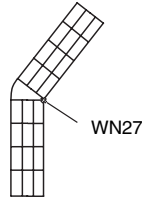
Joining – straight tray



Width	Qty	
	WN26	WN27
60	–	2
100	–	2
200	–	3*
300	2	1**
400	2	2**
500	2	2**
600	2	2**

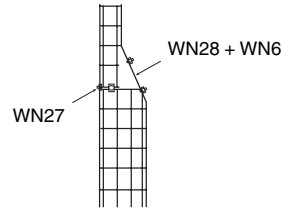
* 1 pc in tray bottom, 2 pcs on sides
 ** placed in tray bottom

Horizontal bend



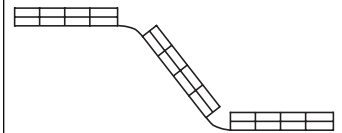
The inner side and the base of the tray is cut away. Bend the tray to desired angle. Lock the inner radius with Joint clamp WN27 or Joint plate WN28 + Profile clamp WN6. The number of cuts settles the angle.

Reducing



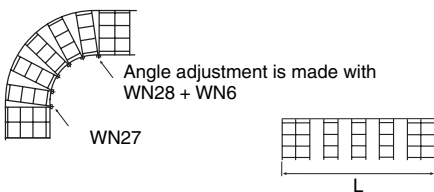
The base of the wider tray is cut back to the width of the narrower tray. Assemble with Joint clamp WN27 on the straight side and Joint plate WN28 + Coupling clamp WN6 on the reducing side. At straight symmetrical reducers 2 pcs WN28 + WN6 are used.

Level change



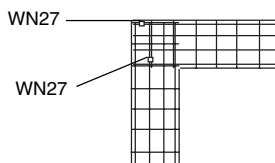
The sides of the tray are cut away and the tray is bent to desired angle.

Bend with radius



Width	L	Quantity			
		Cutout sec.	WN27	WN28	WN6
60	700	2	1	1	2
100	700	2	1	1	2
200	1100	4	3	1	2
300	1500	6	5	1	2
400	1700	7	6	1	2
500	2100	9	8	1	2
600	2300	10	9	1	2

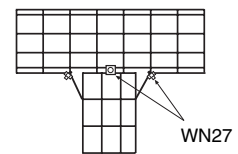
90° bend



One of the sides of each tray is cut away and the trays are joined in the base with Joint clamp WN27.

Width	Qty WN27
60	2
100	2
200	2
300	2
400	4
500	4
600	4

T-, X-junction



One of the sides of the primary tray is cut away by a length equal to the width plus 100 mm of the joining tray. The sides of the joining tray are cut from the base and bent outwards. Assemble with Joint clamp WN27.

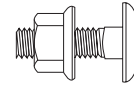
Width	Qty WN27	
	T-junction	X-junction
60	2	4
100	3	6
200	3	6
300	3	6
400	4	8
500	4	8
600	4	8

Note! Cut ends must be protected with End protection WN30.

Screw set 22S

WEF-0001

For mounting of ceiling bracket 5 on Pendant/Fixing rail 24/34 and Cantilever arm 80 on Vertical piece 7 or Wall bracket 80 etc.

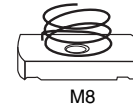


	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Weight kg 100 pcs
Screw set 22S (Bolt MVBF 8 x 16 and nut M6MF 8)	713 694 0	725 582 5	19

Screw set 24S

WEF-0001

For permanent mounting of fittings (instrument cabinets etc.) on Pendant/fixing rails 24/48.

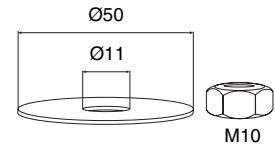


	Hot dip galv. Part. No. C*	Weight kg 100 pcs
Screw set 24S (Jova nut M8)	716 407 3	2.7

Mounting set W78

WEF-0001

For mounting of Pendant W76 in plate or light concrete ceilings.



	Hot dip galv. Part. No. C*	Weight kg 100 pcs
Mounting set W78 (Washer dia. 50 + Nut M6 M10)	717 069 2	5.5

Screw set W36

WEF-0001

For permanent mounting of Pendant attachments W21 in Support bracket/Joint W7.

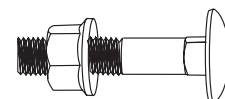


	Electro-galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Weight kg 100 pcs
Screw set W36 (Bolt MVBF 8 x 16 + Nut M6MF8)	715 646 7	725 581 8	1.2

Screw set W37

WEF-0001

For assembly of Pendant attachment W21 and Ceiling attachment W31 with Pendant rail W32. For joining of Pendant rail W32.



	Electro-galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Weight kg 100 pcs
Screw set W37 (Bolt MVBF 8 x 35 + Nut M6MF8)	716 799 9	725 586 3	2.8

Screw set W38P

WEF-0001

Used for mounting of joints, bends, junctions, Shade ledge W26 and Integrated ceiling support channel W27 (for hot dip galvanized trays with accessories Screw set W38 must be used).

Screw set W38P facilitates potential balancing between powder coated cable trays without moving the paint. The screw pierces through lacquered surfaces. To achieve the very best result at potential balancing an unpainted Joint W7 must be used.



	Electro-galv. Part. No. C*	Weight kg 100 pcs
Screw set W38P	735 177 0	0.4

Screw set W38

WEF-0001

For mounting of hot dip galvanized Cable trays W3 and Installation trays W4 with accessories.

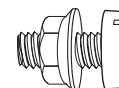


	Electro-galv. Part. No. C*	Dacromet Part. No. C*	Weight kg 100 pcs
Screw set W38	716 907	733 258 8	0.4

Screw set W34

WEF-0001

For mounting Tray W3 on Cantilever arm 50.
 For mounting Locking Hook W77 onto Pendant rail W32.
 For mounting Angle bracket W8 onto Pendant rail W32.
 For mounting Junction box plate W24 in Tray W3, Lighting trunking W70 and W71.
 For mounting Angle Bracket W8 in Tray W3, Lighting trunking W70 and W71.
 For assembly of Angle bracket W8 (light fitting bracket).
 For mounting of Wall bracket WN20.
 For joining Trays W4.
 For Wall bracket W-swing 2.

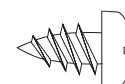


	Dacromet Part. No. C*	Electro-galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Weight kg 100 pcs
Screw set W34 (Bolt MSCS 6 x 12 + Nut M6MF6)	734 646 2	718 473 6	725 589 4	0.8

Screw W40

WEF-0001

For locking of T-joint W29 in open junctions.



	Electro-galv. Part. No. C*	Weight kg 100 pcs
Screw W40 (Screw RXS ST 5.5 x 13-H)	721 868 4	0.3

Locking plug W41

WEF-0001

For quick locking of joints, bends and branches in cable trays and lighting trunking.

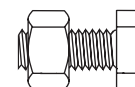


	Plastic Part. No. C*	Weight kg 100 pcs
Locking plug W41	718 645 7	0.1

Screw set 70S

WEF-0001

2 Cantilever arm 70 can be mounted with Screw set 70S to form a vertical piece, see page 25.

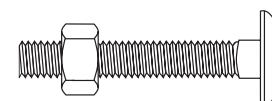


	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Weight kg 100 pcs
Screw set 70S (Bolt M6S 10 x 20 and nut M6M 10)	728 568 6	728 569 3	3.4

Screw set 72S

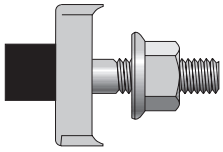
WEF-0001

For installation of several Cantilever arms 70 to form pendants, see page 25.

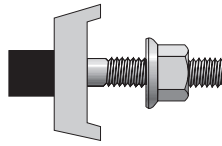


	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Weight kg 100 pcs
Screw set 72S (Bolt MVBF 10 x 60 and nut M6M 10)	728 570 9	728 571 6	5.0

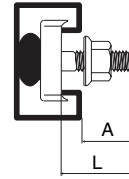
* EAN-code = 732167 + Part.no + C (control figure)



T-bolt 26



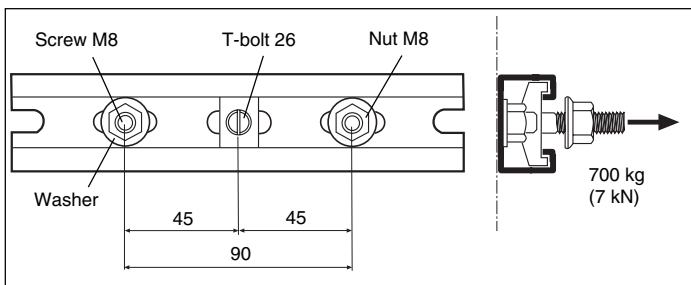
T-bolt 26F
(Not for P/F-rail 24/40)



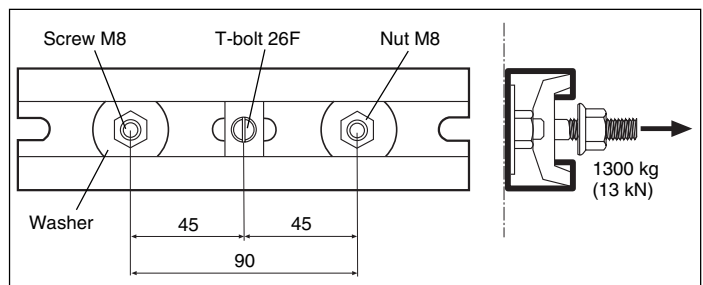
	Dim	L mm	A mm	Electro-galv. Part. No. C*	Hot dip galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Weight kg 100 pcs
T-bolt 26	M10	30	24		714 009 1		5.0
T-bolt 26F/30	M10	30	24	734 864 0	716 794 4	728 596 9	7
T-bolt 26F/40	M10	40	34	734 865 7	716 795 1	728 597 6	7.5
T-bolt 26F/50	M10	50	44	734 866 4	716 796 8	728 598 3	8

Max permitted extraction force

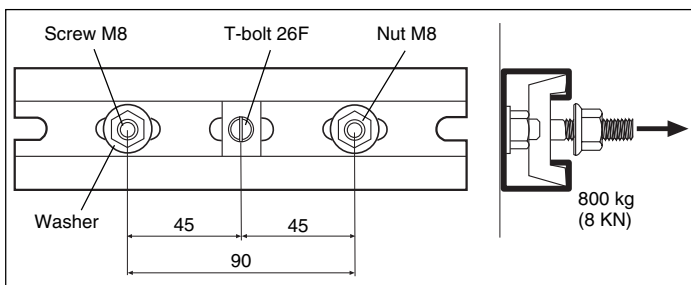
T-bolt 26 + P/F-rail 24/40 or 24/48 + Washer 8.4 x 19 x 1.5



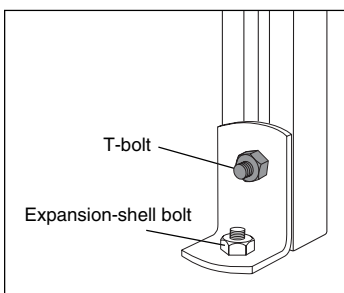
T-bolt 26F + P/F-rail 24/48 + Washer 9 x 35 x 2



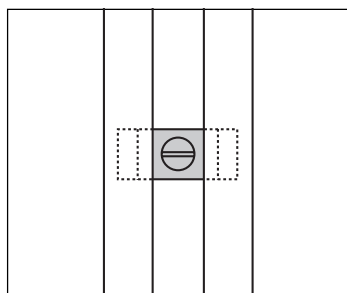
T-bolt 26F + P/F-rail 24/48 + Nut 8.4 x 19 x 1.5



Use and installation

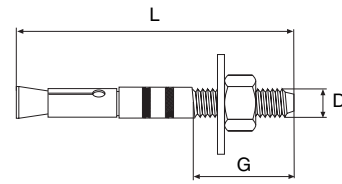
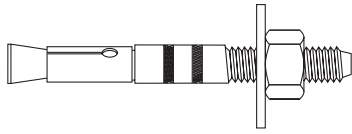


Installation of Pendant/fixing rail 24/48 on floor (or wall) with Angle bracket 5L and T-bolt.



Check the position mark on the bolt to ensure the right position of the T-bolt in the rail.

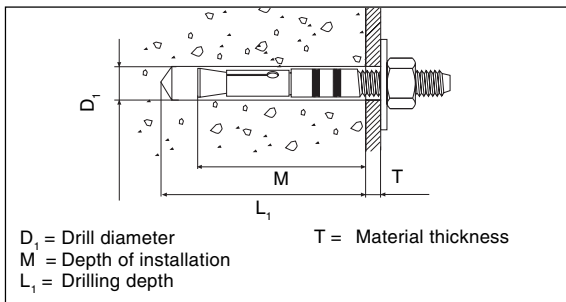
* EAN-code = 732167 + Part.no + C (control figure)



G = Length of thread

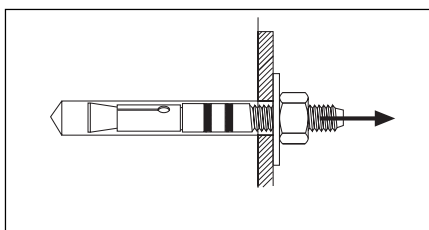
	D mm	L mm	G mm	Electro-galv. Part. No. C*	Stainless steel (AISI 316L) Part. No. C*	Weight kg 100 pcs
Expansion-shell bolt M6	M6	65	20	728 871 7	728 645 4	1.7
Expansion-shell bolt M8	M8	90	25	728 872 4	728 646 1	4.2
Expansion-shell bolt M10	M10	85	30	728 873 1	728 647 8	7.4
Expansion-shell bolt M12	M12	100	40	728 874 8	728 648 5	9.0

Use and installation

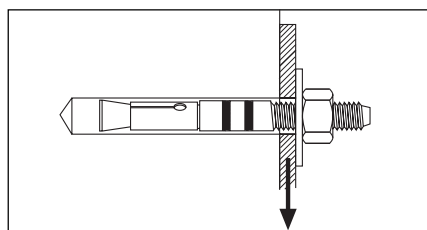


Dimension	L1 mm	D1 mm	M mm	T max mm	Tightening moment Nm
M6 x 65	60	6	50	8	8.5
M8 x 90	75	8	65	17	20
M10 x 85	65	10	55	20	40
M12 x 100	85	12	75	13	65

Permitted loading in kN for concrete K25



Loading example I



Loading example II

Dim	Permitted extraction force kN
M6 x 65	1.8
M8 x 90	3.3
M10 x 85	5.4
M12 x 100	8.7

Dim	Permitted transverse force kN
M6 x 65	2.2
M8 x 90	3.4
M10 x 85	5.1
M12 x 100	7.2

For bolts of stainless steel (AISI 316L) – reduce the loading values with 25%.

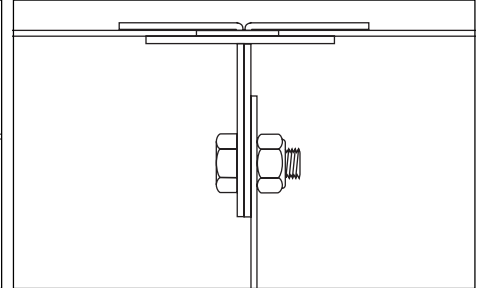
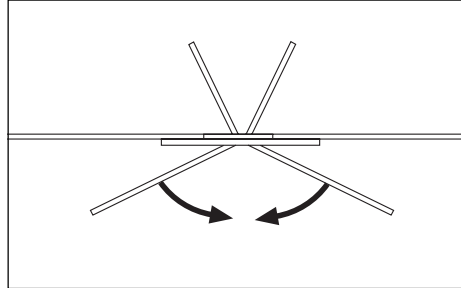
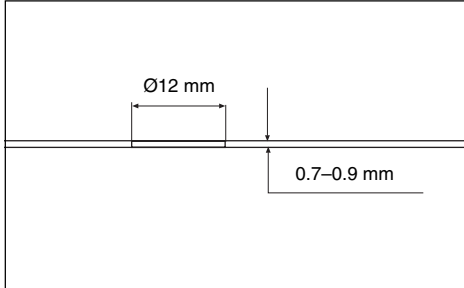
* EAN-code = 732167 + Part.no + C (control figure)

Ogebe fixings

The Ogebe fixing is a patented fixing intended for use when mounting plating with a thickness of 0.7-0.9 mm and 13 mm gypsum board, either single or double. Pendants, cantilevers and holed strips can be mounted with these fittings.

Technical data

Material	Cold-rolled sheet steel SS 1142-32	Nut	Locking Nut M8, SMS 2165 FZB
Material treatment	Case-hardened	Bolt	M8 x 16 mm FZB
Surface treatment	Electro-galvanized	Washer	SRB 13.5 x 26 x 2 mm FZB
Maximum load	See load tables		



Drill a 12 mm dia. hole. A 10 mm drill can be used if one increases the hole dia. by slanting the electric drill.

Place the accompanying washer over the thin legs. Insert the legs through the drilled hole and fold the broader legs towards each other. If sealing is required, a standard sealing mass from building retailers can be used.

Mount the pendant, bracket or holed strip with the enclosed bolts and nuts. (The nut should always be a locking nut).

Breaking load

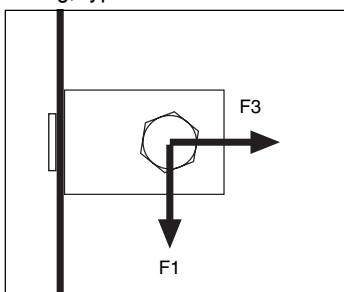
The load applied at an equi-distance between 2 beams 600 mm apart.

The values are taken from Swedish National Testing Institute Report 8410.0032 1984-09-28 and 85 B1.2503

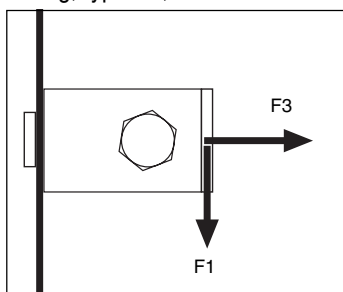
Type of fixing	Sheeting 0.7 mm			Sheeting 0.9 mm			Gypsum 13 mm			Gypsum 2 x 13 mm		
	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3
E	1.01 kN 101 kg	2.14 kN 214 kg	1.85 kN 185 kg	1.77 kN 177 kg	2.43 kN 243 kg	2.05 kN 205 kg						
ED	1.67 kN 167 kg	1.67 kN 167 kg	1.85 kN 185 kg	2.02 kN 202 kg	2.02 kN 202 kg	2.05 kN 205 kg						
D	*2.46 kN 246 kg	1.67 kN 167 kg	1.85 kN 185 kg	*3.06 kN 306 kg	2.06 kN 206 kg	2.05 kN 205 kg						
Eg							0.67 kN 67 kg	0.93 kN 93 kg	0.62 kN 62 kg			
Eg2										1.07 kN 107 kg	1.48 kN 148 kg	0.88 kN 88 kg

*Mounted in both holes.

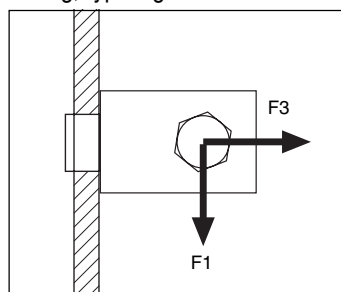
Fixing, type E



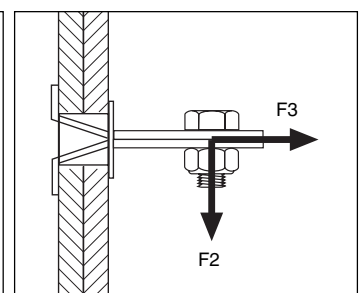
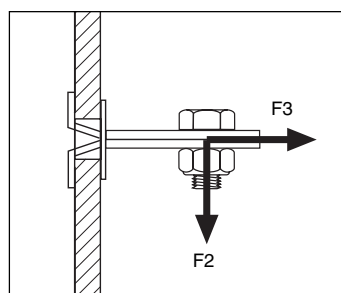
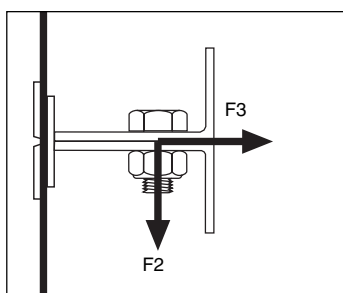
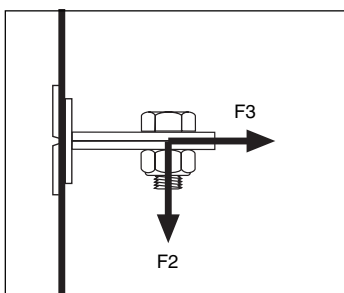
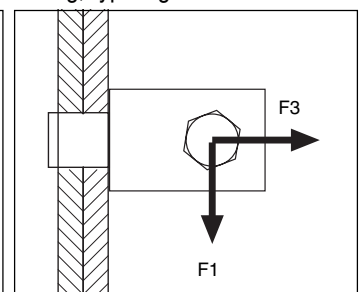
Fixing, types D, ED



Fixing, type Eg



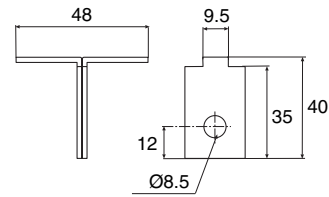
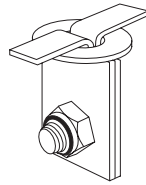
Fixing, type Eg2



Ogebe fixing type E

WEF-0001

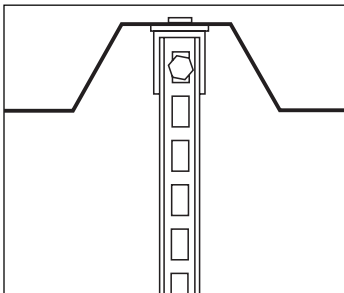
The Ogebe fixing type E, is used for mounting in 0.7-0.9 mm sheeting or board material.
The following can be mounted: hole straps, pendants, ducts and piping etc.



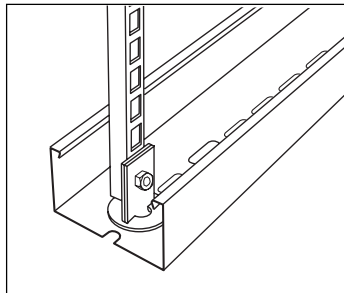
Electro-galvanized Part. No. C*	Weight kg 100 pcs
716 474 5	4.8

Ogebe fixing type E

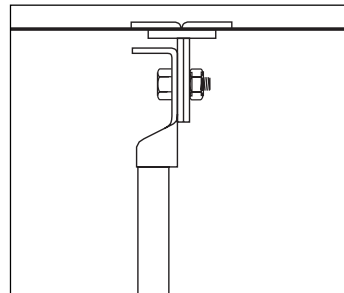
Use and installation



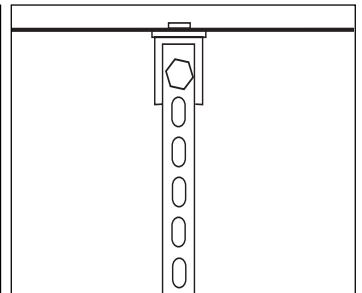
Mounting of Pendant rail W32.



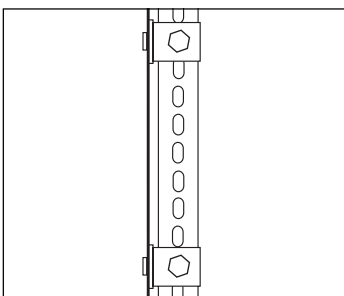
Mounting of Pendant rail W32 with Ogebe fixing type E direct in lighting trunking.



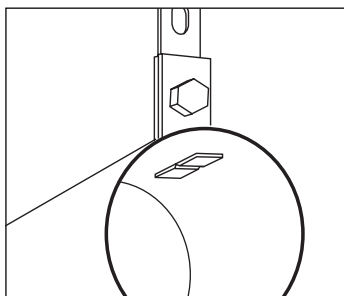
Mounting of Ceiling attachment W31 on Ogebe fixing type E.



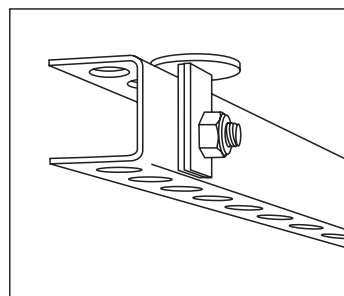
Mounting of hole strap.



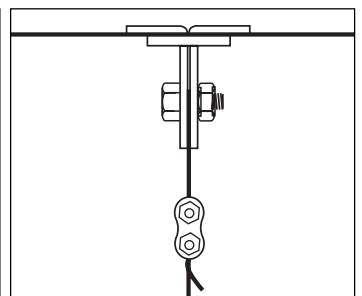
Stand installation on wall.



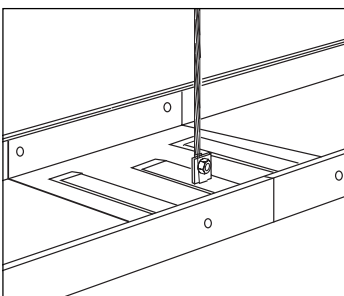
Suspension of duct or pipe.



Mounting of holed beam.



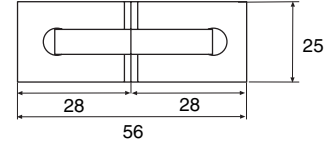
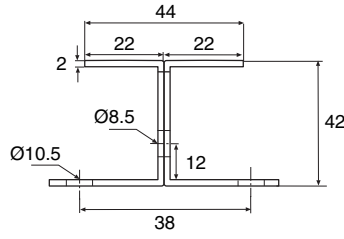
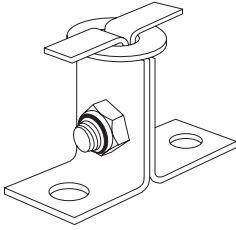
A wire can be mounted directly in the Ogebe fixing type E.



The Ogebe fixing type E can be mounted direct into Support bracket/joint W7.

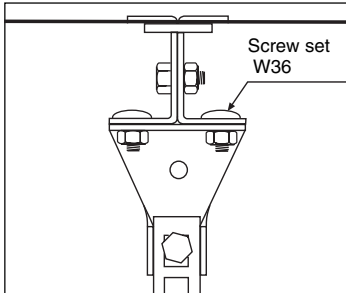
* EAN-code = 732167 + Part.no + C (control figure)

The Ogebe fixing type D is used for mounting in 0.7-0.9 mm sheeting or board material. The following can be mounted: pendant fittings etc.

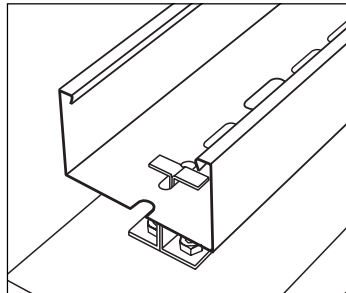


	Electro-galvanized	Weight kg
Ogebe fixing type D	Part. No. C*	100 pcs
	716 475 2	6.8

Use and installation



Mounting of Ceiling attachment W31 on fixture, type D.

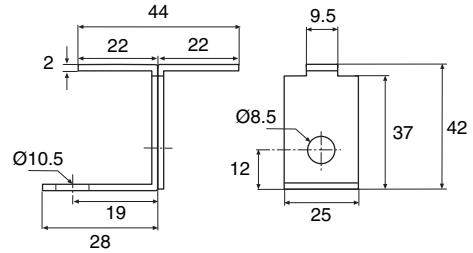
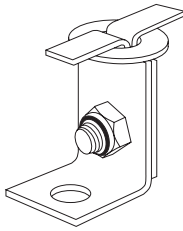


Ogebe fixing type D or ED can be mounted in lighting trunking as light fitting.

Ogebe fixing type ED

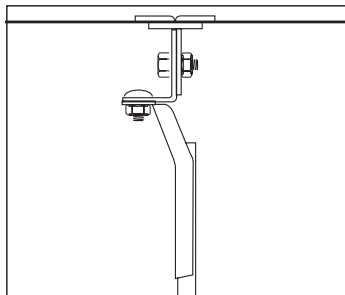
WEF-0001

The Ogebe fixing type ED is used for mounting in 0.7-0.9 mm sheeting or board material.
The following can be mounted: suspension devices, light fittings etc.

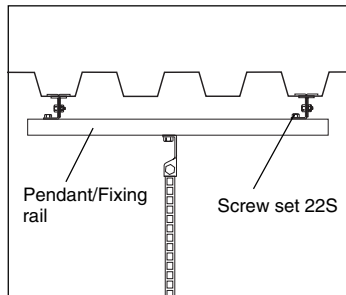


	Electro-galvanized Part. No.	C*	Weight kg 100 pcs
Ogebe fixing type ED	716 477	6	5.8

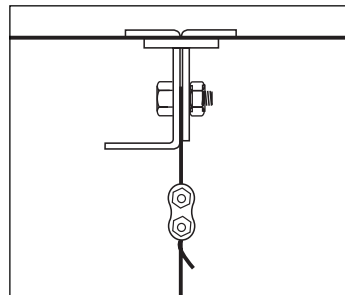
Use and installation



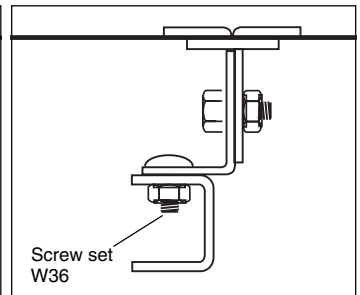
Mounting of Pendant attachment W21 or Tube pendant attachment W73 with Ogebe fixing type ED. Use Screw set W36.



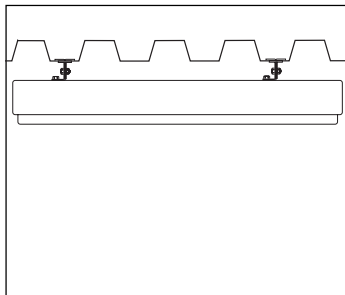
When mounting Ceiling attachment W31 on cable trays/ lighting trunking, the load can be distributed onto two or more fixings. This allow for lateral adjustment.



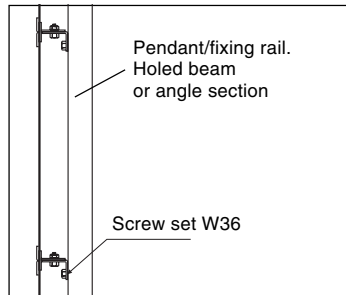
A wire can be mounted directly in the fixing.



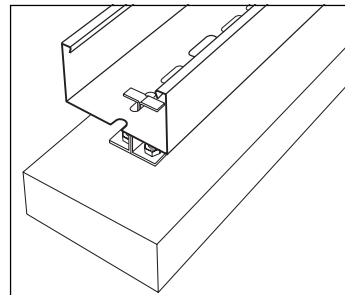
Installation of holed beam.



Mounting of light fittings in plate metal ceiling.



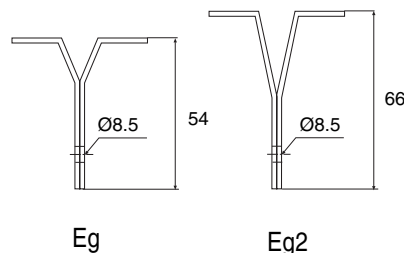
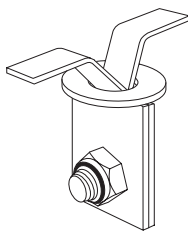
Stand installation on wall.



Ogebe fixing type D or ED can be mounted in lighting trunking as light fitting.

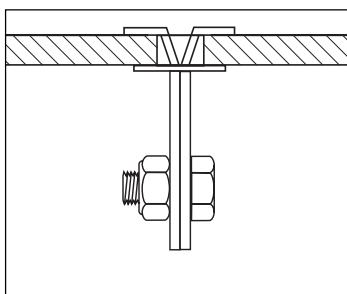
* EAN-code = 732167 + Part.no + C (control figure)

The Ogebe fixing type Eg is intended for mounting in single gypsum boards while Eg2 is intended for double gypsum boards.

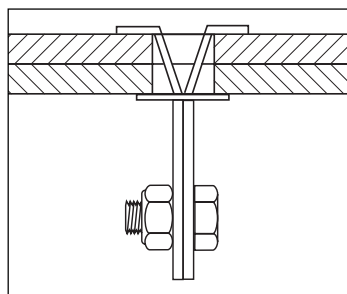


	Electro-galvanized Part. No.	C*	Weight kg 100 pcs
Ogebe fixing type Eg	716 478	3	5.6
Ogebe fixing type Eg2	716 479	0	6.0

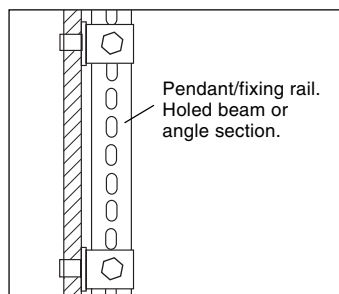
Use and installation



Eg mounted in single gypsum board.



Eg2 mounted in double gypsum board.



Stand installation on wall.

Anti-corrosive paint "Galvafruid" and Repair paint RAL 9010

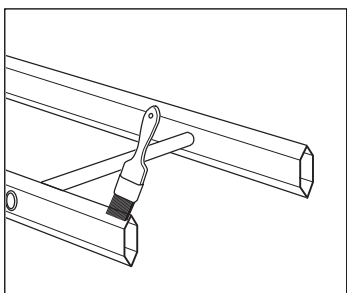
WEF-0013, WEF-0015, WEF-0016

Galvafruid for repair of damaged places on pre-galvanized or hot dip galvanized cable trays and accessories.
Repair paint for minor damages of powder coated products.

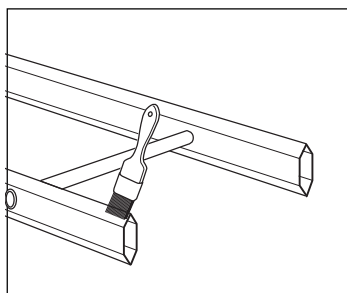


	Volume l	Part. No.	C*	Weight kg 100 pcs
Anti-corrosive paint "Galvafruid", tin	0.3	717 637	3	86
Repair paint white RAL 9010, tin	0.3	717 638	0	45
Repair paint white RAL 9010, spray bottle	0.4	728 027	8	60

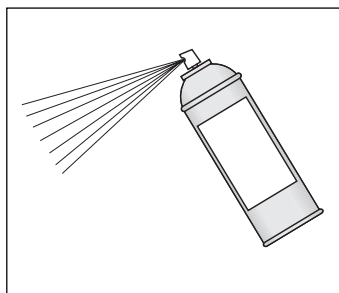
Use and installation



Galvafruid used to increase the protection of cut or damaged places.
Applied with a colour brush.



Repair paint in tin or spray bottle for repainting of minor paint damages.
RAL 9010 ≈ NCS 0502Y
RAL 9010 = NCS 0502-Y14R



* EAN-code = 732167 + Part.no + C (control figure)

Integrated ceilings

Ceilings from Wibe provide undreamt of possibilities to build different types of system ceilings with very high demands on functionality. You build using reliable, reputable components which are easy to install and combine in an almost never-ending number of variations.



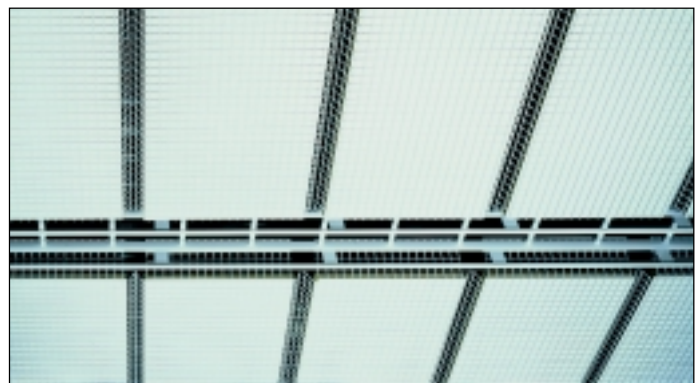
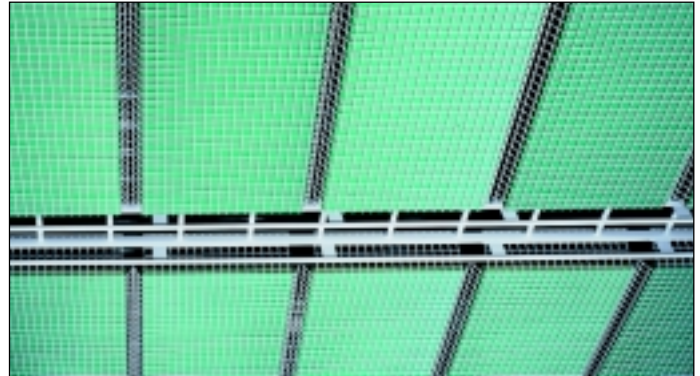
Integrated ceilings



Acoustic lamina

We can supply acoustic lamina for baffle frames, wire baskets and ceilings with T-profiles. There are several manufacturers on the market offering lamina of varying thicknesses, colours, surface coverings and structures.

The lamina comply with current standards for fire-protection and are available with various sound absorption factors.



It is possible to select the colour of your choice

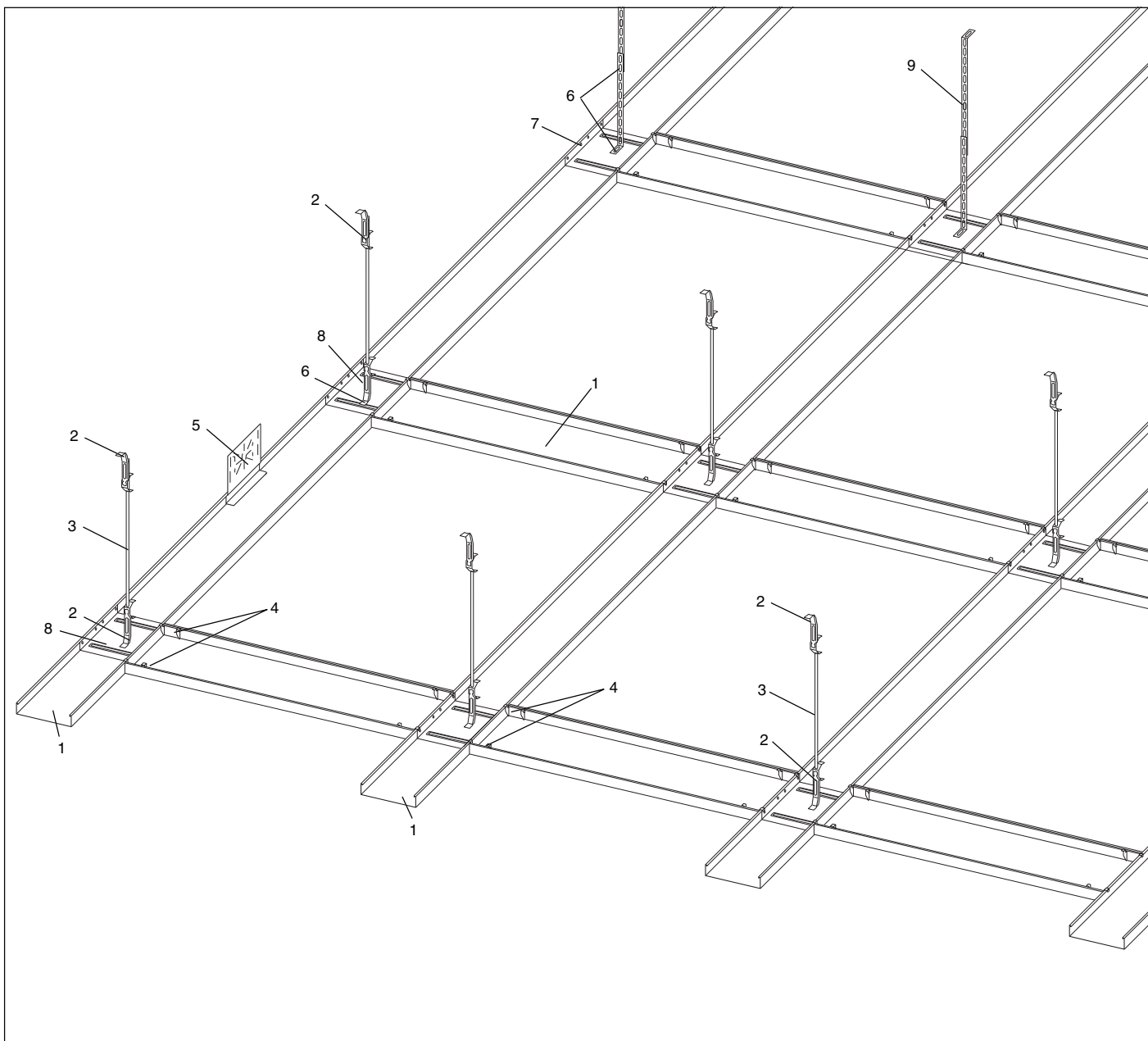
Cable trays, lighting trunking, mounting fittings and accessories come in standard version in pre-galvanized or pre-galvanized with white paint finish (RAL 9010) design in accordance with the Zinkpox method.

A ceiling often gives a room its character. Exploit the possibilities

of choosing a colour scheme for your ceiling thereby creating a pleasing atmosphere.

We can supply the whole of our programme in RAL colour of your choice and with the lustre you desire.



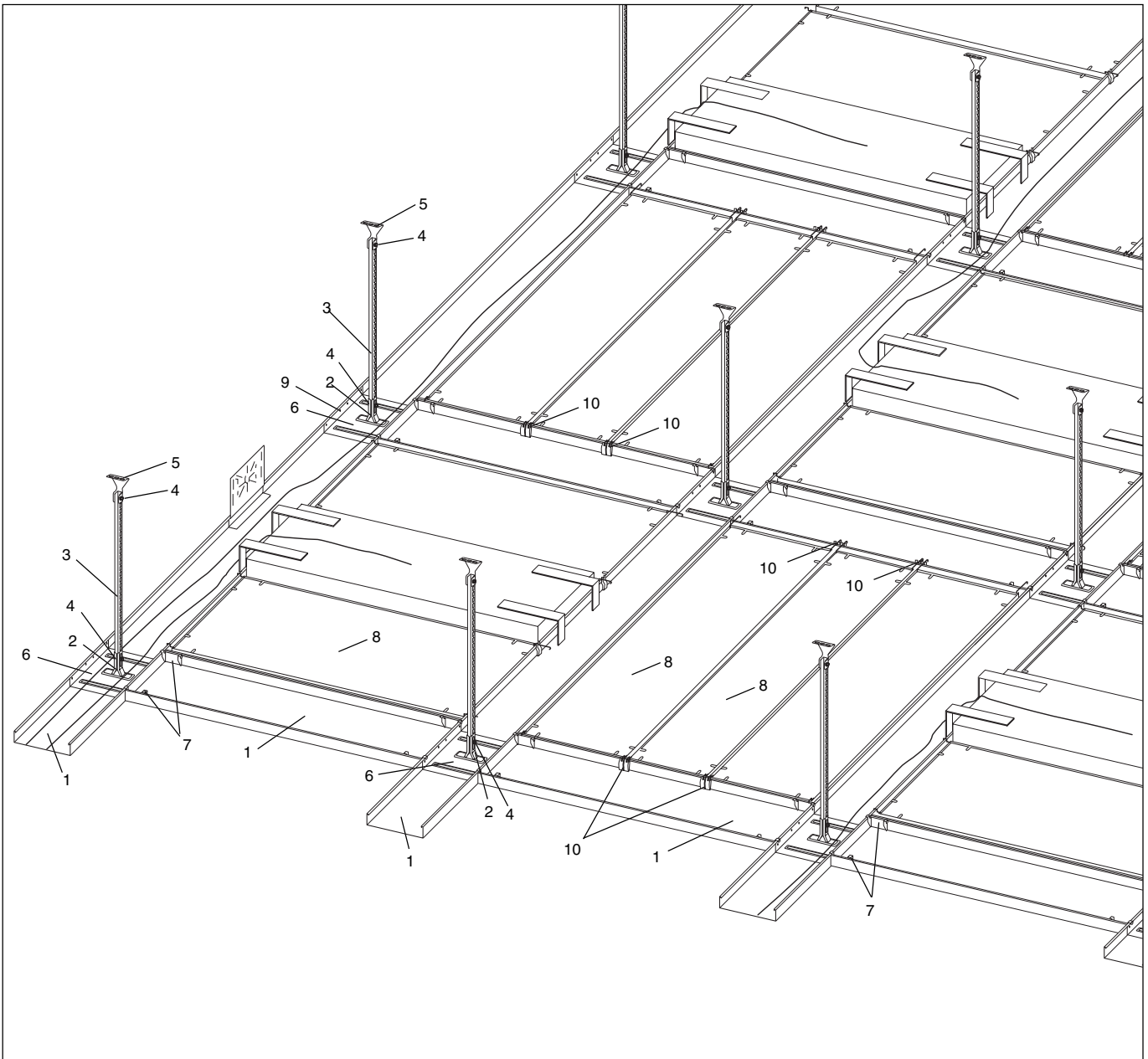


Components

Page

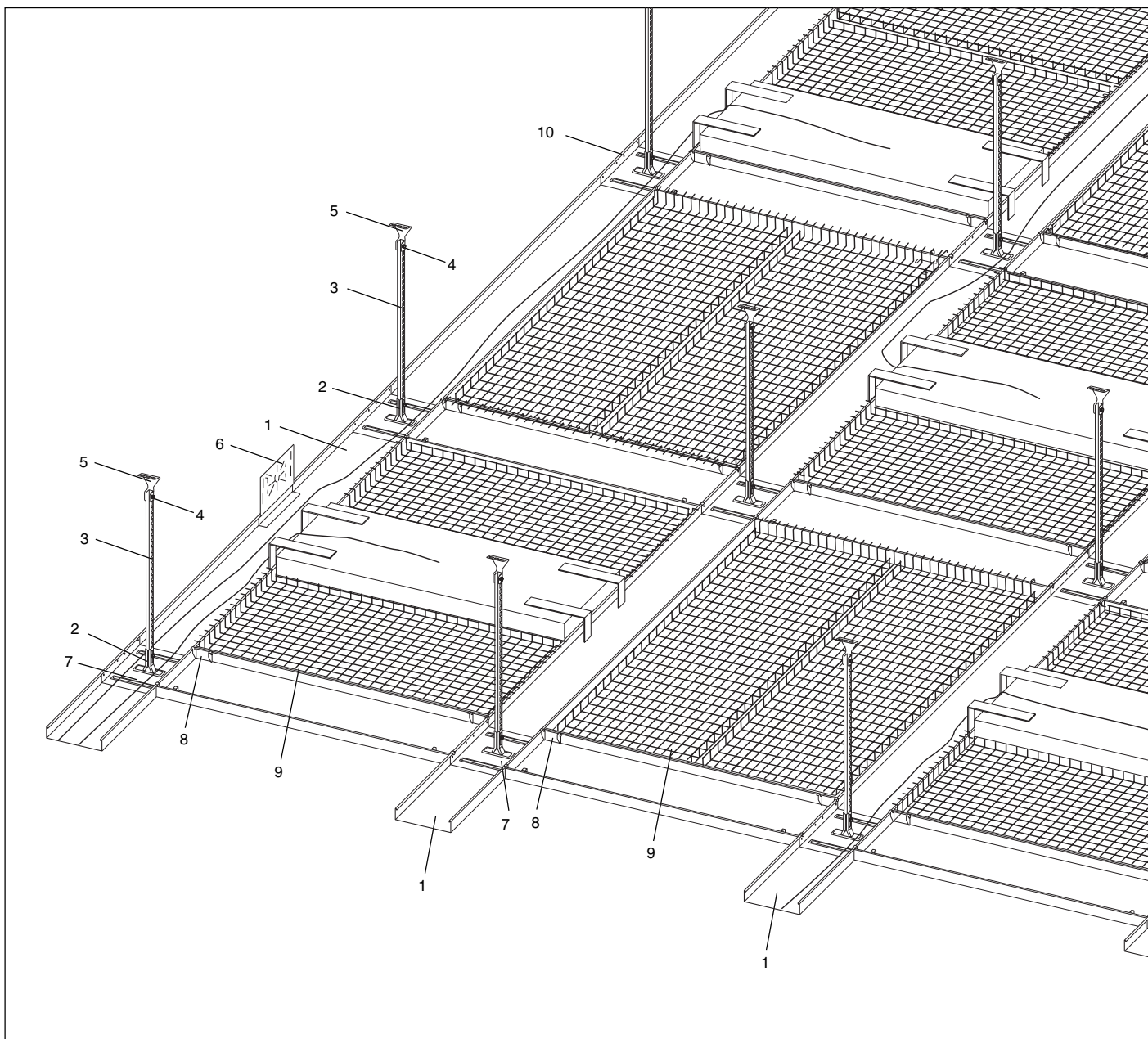
1. Cable tray W1 _____	14
2. Tube pendant attachment W73 _____	32
3. Threaded rod M10 W76 _____	80
4. T-joint W9 (alt. W29) _____	49 (50)
5. Junction box plate W24 _____	61
6. Screw set W36 _____	92
7. Screw set W38P _____	92
8. Support bracket/joint W7 _____	29
9. Pendant strip W33 _____	38

Ceilings with sound baffles – outline of assembly



Components	Page
1. Cable tray W1 _____	14
2. Pendant attachment W21 _____	31
3. Pendant rail W32 _____	37
4. Screw set W37 _____	92
5. Ceiling attachment W31 _____	34
6. Support bracket/joint W7 _____	29
7. T-joint W9 (alt. W29) _____	49 (50)
8. Sound baffles _____	108
9. Screw set W38P _____	92
10. Position retainer W43 _____	112

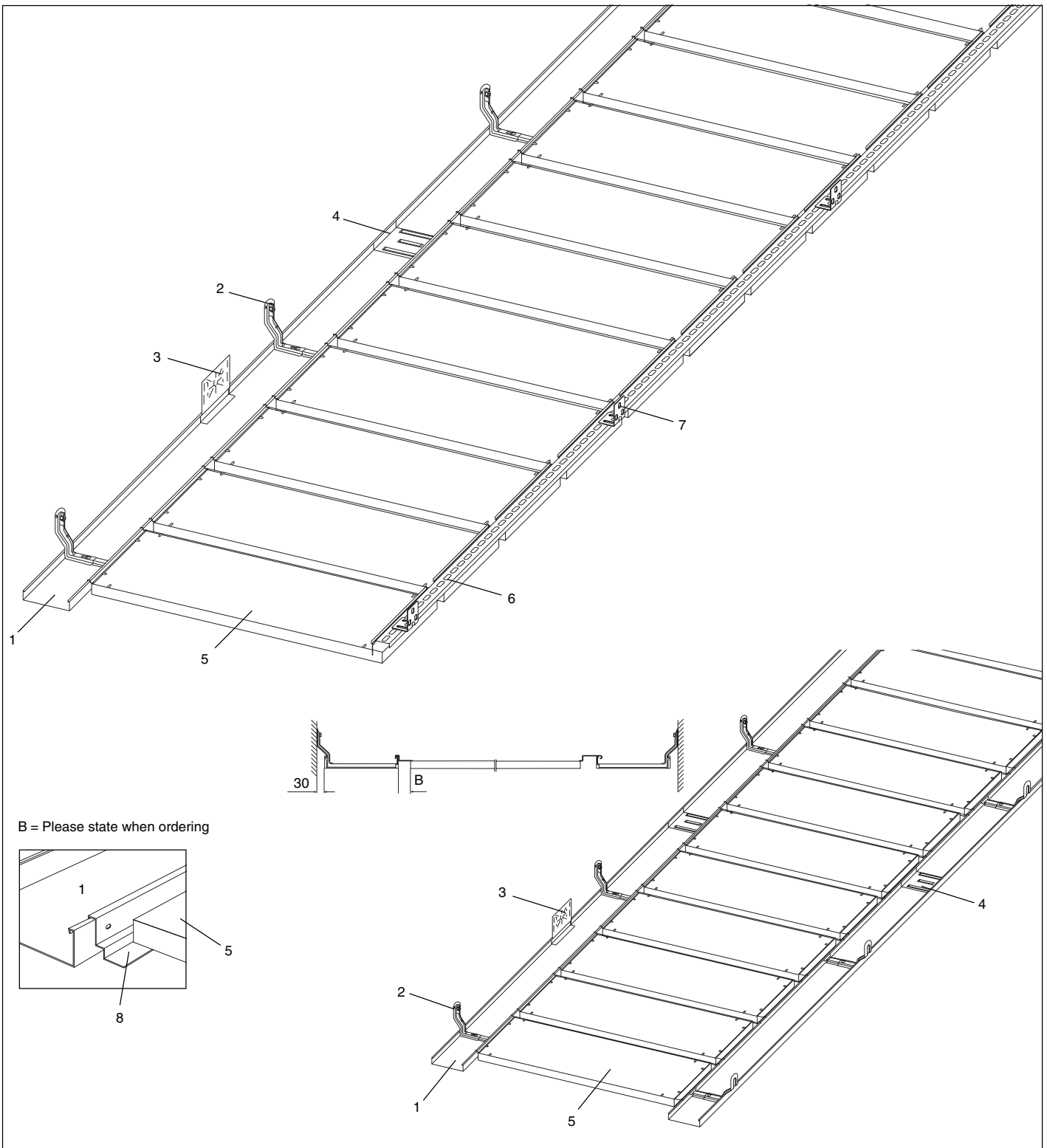
Ceilings with wire baskets – outline of assembly



Components

	Page
1. Cable tray W1 _____	14
2. Pendant attachment W21 _____	31
3. Pendant rail W32 _____	37
4. Screw set W37 _____	92
5. Ceiling attachment W31 _____	34
6. Junction box plate W24 _____	61
7. Support bracket/joint W7 _____	29
8. T-joint W9 (alt. W29) _____	49 (50)
9. Wire baskets _____	109
10. Screw set W38P _____	92

Ceilings in corridor – outline of assembly

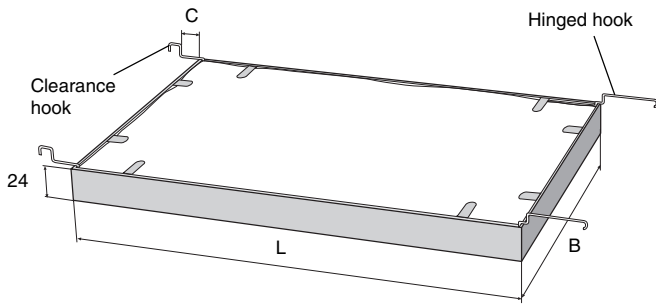


Components

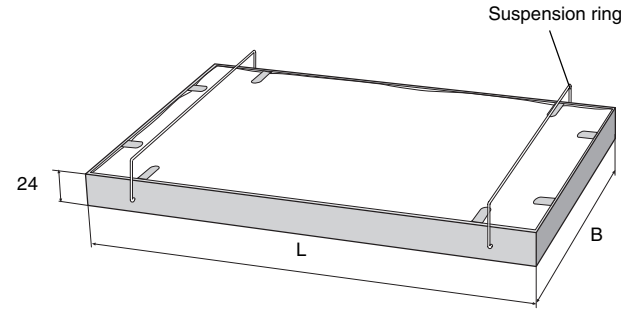
1. Cable trays and Lighting trunking
2. Suspension
3. Junction box plate
4. Support bracket/joint
5. Baffles, basket etc.
6. W-swing profiles
7. W-swing wall bracket
8. Shade ledges, Angle strips, Integrated ceiling support channels and Wall trays

Sound baffles

Baffle frames with hooks



Baffle frames with suspension rings



The baffle frames are constructed of side and gable sections which are cut to measure and mounted in accordance with customer requirements. Suspension hooks come in three designs – hinged hooks, clearance hooks and suspension rings.

Hinged hooks

The hooks allow the baffles to be lowered. However, this necessitates that the space between tray and baffle may not be less than 25 mm.

Clearance hooks

The hooks provide clearance and define the space between tray and baffle.

Suspension rings

The rings are adapted to the W-swing profiles used in corridor installations. For this, the baffle width is 570 mm. The length is determined by the breadth of the corridor.

Mounting

When installing the baffles directly in the trays normally two hinged hooks are fitted to the one end of the baffles and 2 clearance hooks in the other.

For installing the baffles in W-swing profiles 2 suspension rings are used.

Material

Made of pre-galvanized sheet steel + powder coated white.

Absorbents

The baffles are provided with optional acoustic lamina.

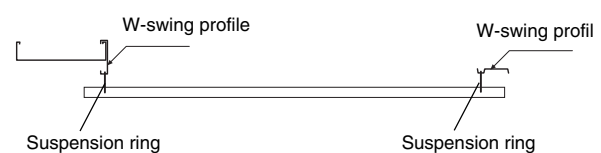
Ordering

When ordering please specify the following measurements:

L = Length of baffle

B = Width of baffle (if suspension rings are used for mounting in W-swing profiles, the B measurement must be 570 mm)

C = Clearance measurement.



Wire baskets

Wire baskets are an alternative to baffles. They provide an open and airy atmosphere. In shops and stores they provide good possibilities for hanging advertisements, bargain offers and decorations.

The grating can be manufactured of wire with different diameters. Note that the shape of the mesh can either be square or rectangular.

Wire dimensions

Standard pattern 50 x 50 x 4 mm

Material

Automatic welding of steel.

Surface treatment

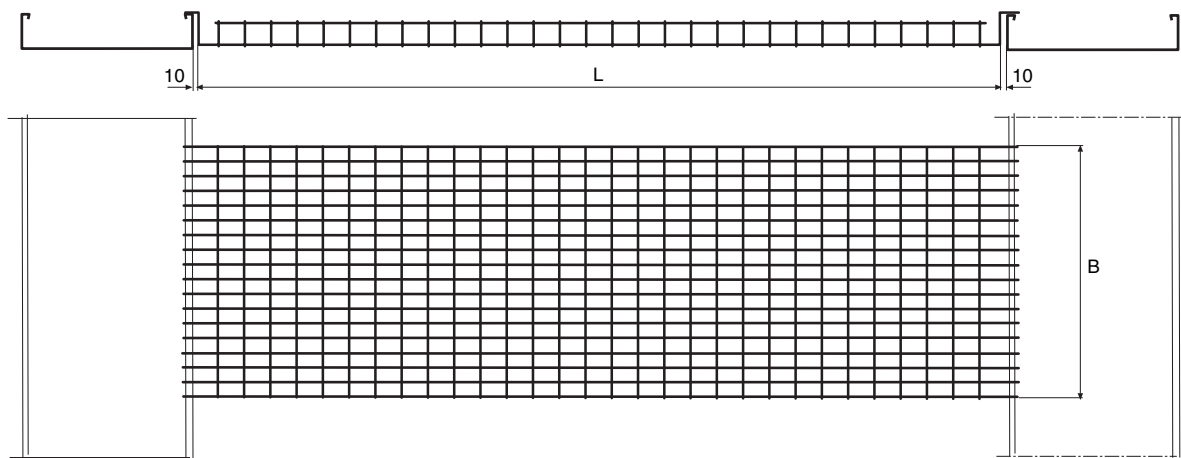
Powder coated.

Ordering

Please state the following:

L = Length of basket

B = Width of basket

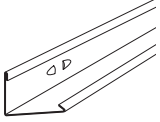


Accessories Sound baffles

The following accessories are included in an unassembled sound baffle:
 4 Corners, 2 Hinged hooks, 2 Clearance hooks, 2 Side profiles, 2 Gable profiles.
 Hinged hooks and clearance hooks can be replaced with suspension rings when necessary
 The baffles are easy to assemble without any tool.

Gable profile

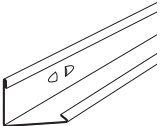
WEF-0001



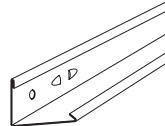
	Length mm	Powder coated white Part. No. C*	Weight kg 100 pcs
Gable profile 570	570	728 802 1	13.6
Gable profile 1170	1170	728 803 8	27.9

Side profile

WEF-0001



Side profile for hook



Side profile for suspension ring

	Length mm	Powder coated white Part. No. C*	Weight kg 100 pcs
Side profile for hook	571–625		
Side profile for hook	626–749		
Side profile for hook	750–999		
Side profile for hook	1000–1170		
Side profile for hook	1171–1249		
Side profile for hook	1250–1400		
Side profile for hook	1401–1750		
Side profile for hook	1751–1990		
Side profile for hook	1991–2400		
Side profile for suspension ring	1500	735 179 4	39
Side profile for suspension ring	2400	735 180 0	62

Clearance hook

WEF-0001



	Distance between baffle and tray mm	Electro-galv. Part. No. C*	Weight kg 100 pcs
Clearance hook 25	25	720 252 2	2.0
Clearance hook 30	30	720 253 9	2.0
Clearance hook 40	40	720 254 6	2.0
Clearance hook 50	50	720 255 3	2.0

Hinged hook

WEF-0001



	Distance between baffle and tray mm	Electro-galv. Part. No. C*	Weight kg 100 pcs
Hinged hook 25-30	25-30	720 260 7	2.0
Hinged hook 40	40	720 261 4	2.0
Hinged hook 50	50	720 262 1	2.0

Suspension ring

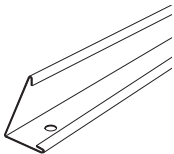
WEF-0001



	Length mm	Electro-galv. Part. No. C*	Weight kg 100 pcs
Suspension ring 575	575	728 804 5	7
Suspension ring 1175	1175	728 805 2	14

Reinforced profile

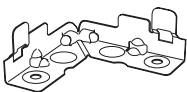
WEF-0001



	Length mm	Powder coated white Part. No. C*	Weight kg 100 pcs
Reinforced profile 570	570	733 995 2	13.6
Reinforced profile 1170	1170	733 996 9	27.9

Corner

WEF-0001



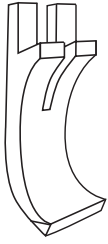
	Pre-galvanized Part. No. C*	Weight kg 100 pcs
Corner	728 859 5	2.5

* EAN-code = 732167 + Part.no + C (control figure)

Position retainer W43 and Support W42

WEF-0017

To be mounted in the cable trays or lighting trunking to hold sound baffles in required position.



Position retainer W43

Two pcs are mounted per baffle.

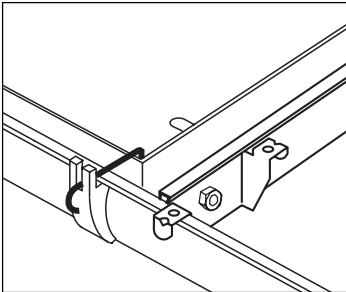


Support W42

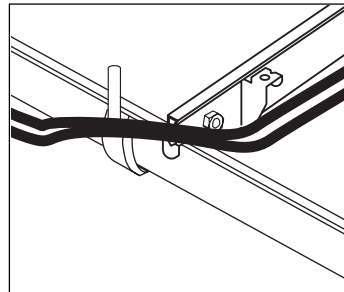
Mounted in T-joint W9 as a support for cables.

	White plastic Part. No. C*	Weight kg 100 pcs
Position retainer W43	718 245 9	0.4
Support W42	718 214 5	0.4

Use and installation



Position retainer W43 holds the sound baffles in the correct position. W43 is snapped tight into the edge of the cable tray or lighting trunking.

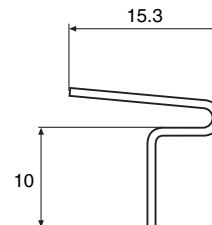
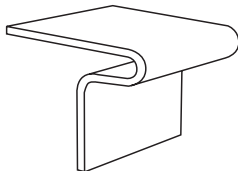


Support W42 is mounted on T-joint W9 to prevent the cables from gliding out over the corner of the cable tray or lighting trunking. W42 is snapped tight into the edge of the tray.

Gypsum clip

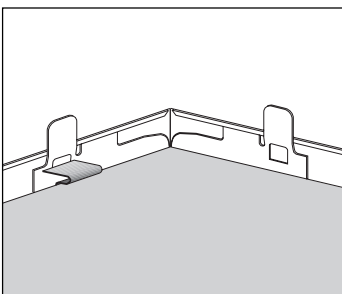
WEF-0001

Used to mount gypsum wallboards in baffle frames.
For Profile W-swing 1-5.

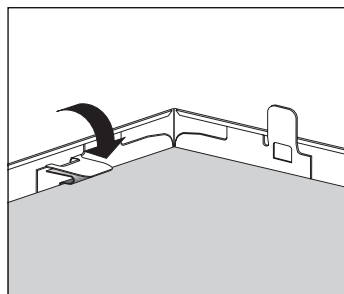


	Steel strip Part. No. C*	Weight kg 100 pcs
Gypsum clip	732 241 1	0.4

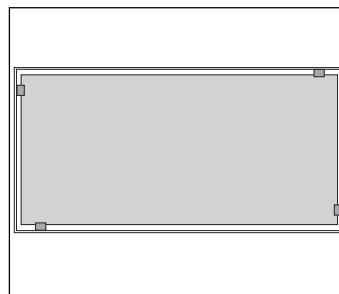
Use and installation



Gypsum boards in Wibe's baffle frames must have dimensions that are 20 mm smaller than the size of the baffle (L - 20, B - 20). The clip will keep the board in place.



Lock the gypsum clip by pressing down the tab. The gypsum clip suits a 9 mm thick board.

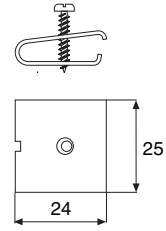
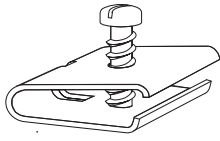


Normally it is enough with 4 gypsum clips pro baffle. The clips must be mounted diagonally.

Frame clip W90

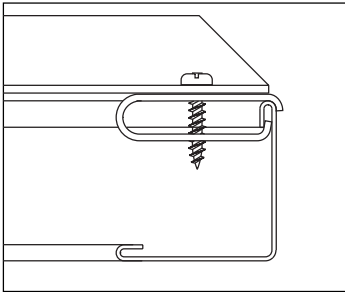
WEF-0001

Enables clip mounting in baffle frame.

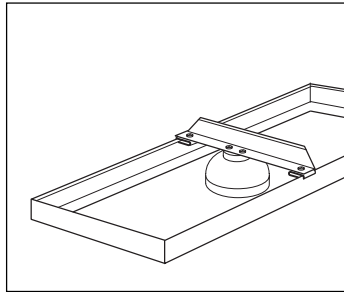


	Pre-galvanized Part. No. C*	Weight kg 100 pcs
Frame clip W90 (screw RXS Combi B6 x 19 fzb)	723 021 1	1.0

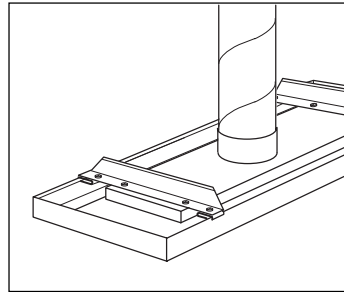
Use and installation



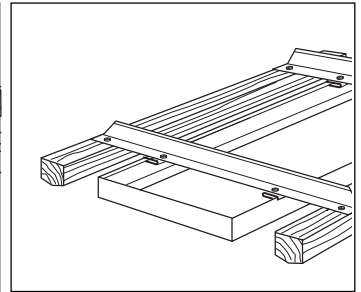
The Frame clip W90 is clamped tight under the edge of the section.



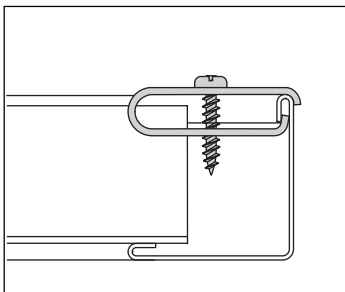
Mounting of light fittings on Angle strip W46 with Frame clips W90.



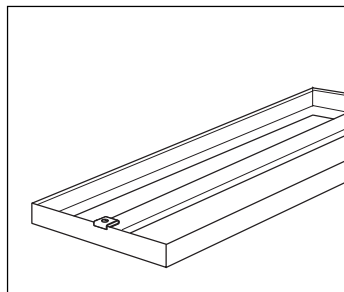
Installation of air component.



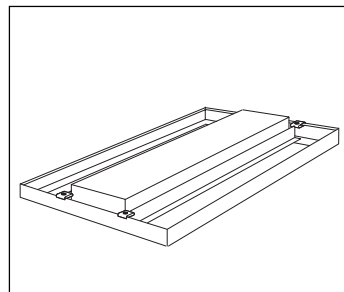
Mounting of decoration strip etc.



T-section is easily mounted with Frame clips W90 in the baffle frames.

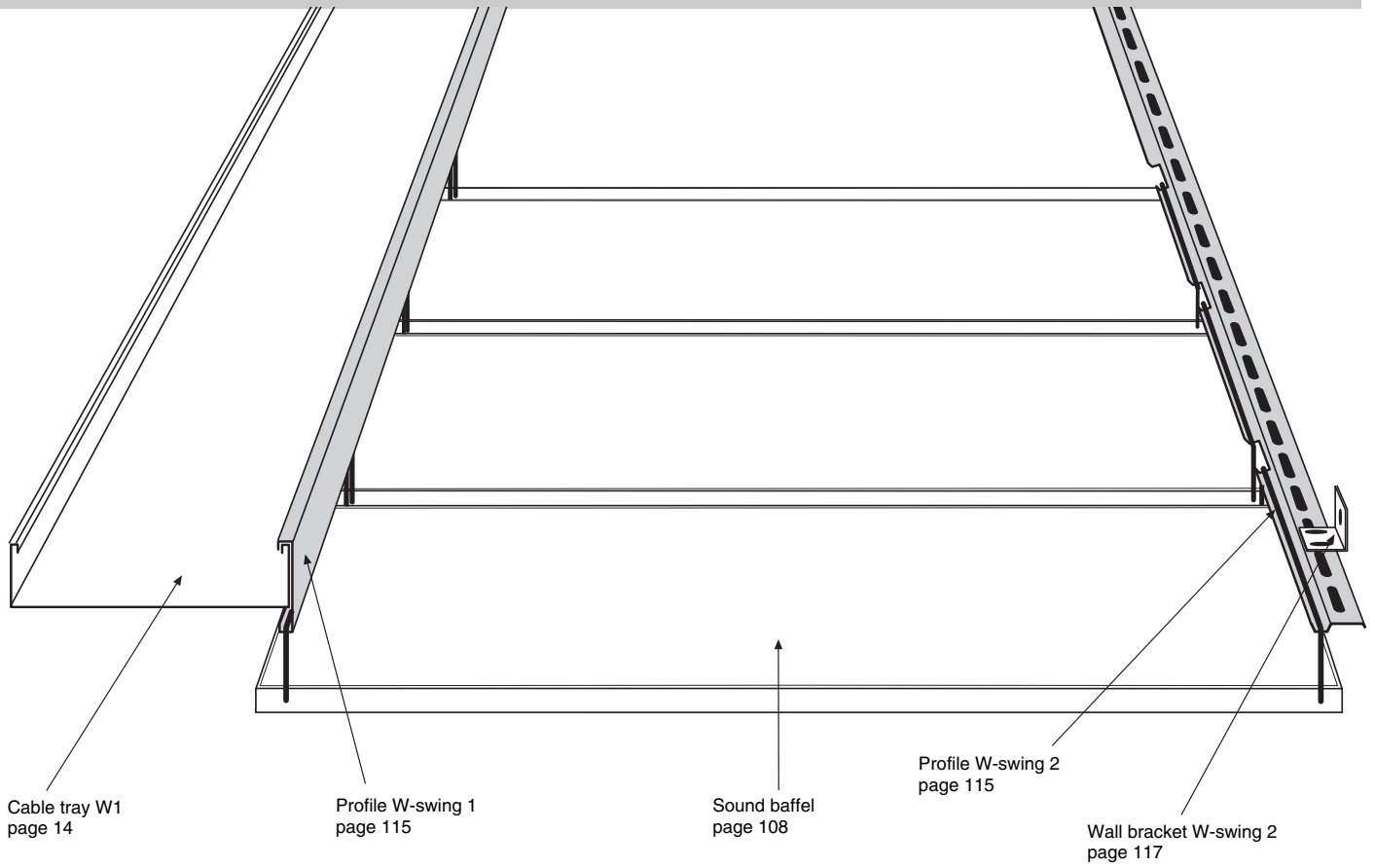


In large frames an extra support for the absorbent lamina can be required. Install a T-section with 2 Frame clips W90.

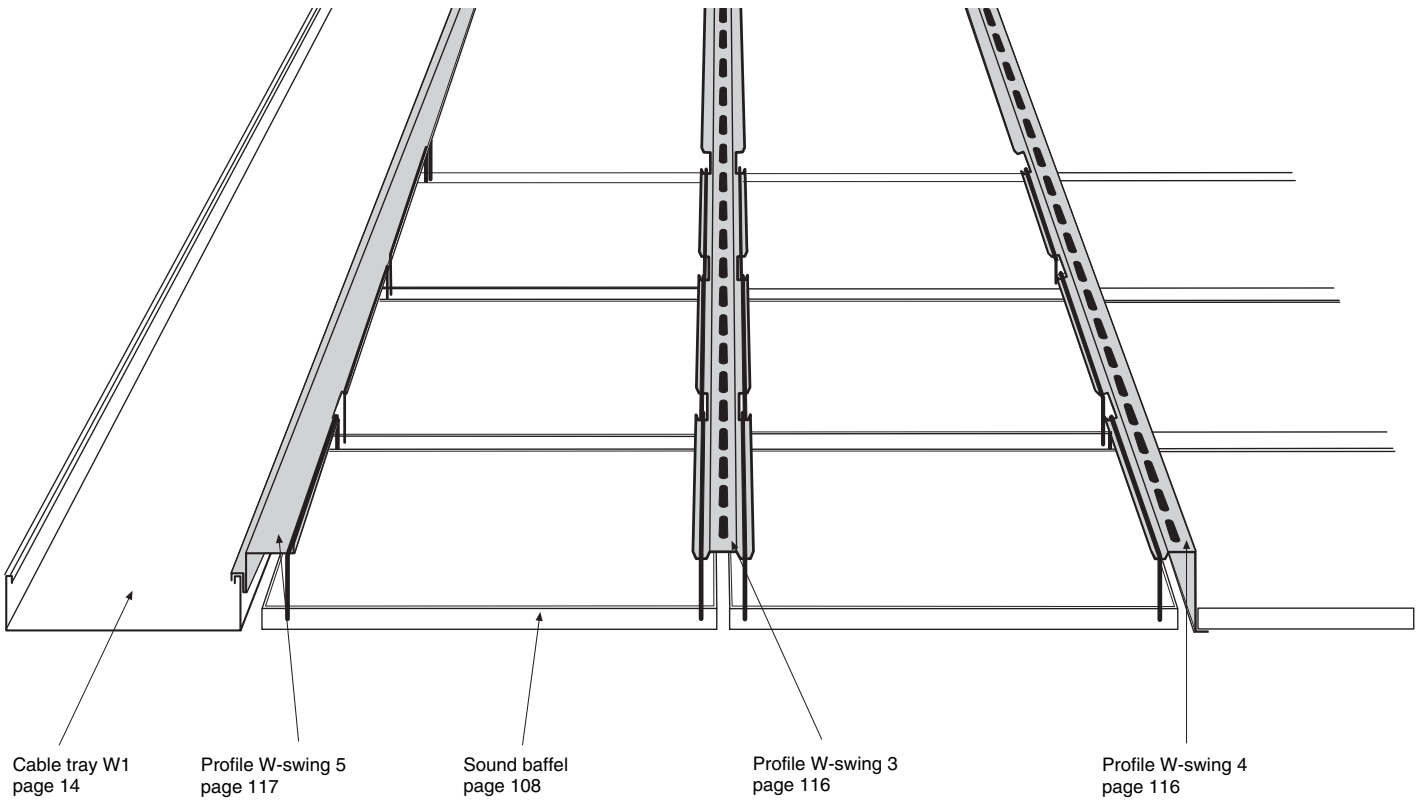


Light fitting mounted in baffle frame. 2 T-profiles mounted with 4 Frame clips W90.

W-swing – Ceilings in corridor



Suspension system – see page 12.

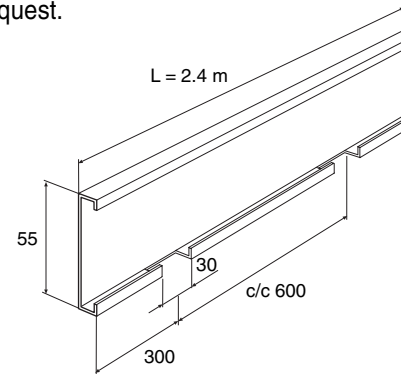
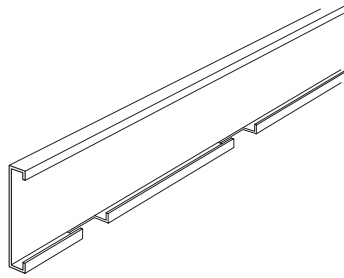


Suspension system – see page 12.

Profile W-swing 1

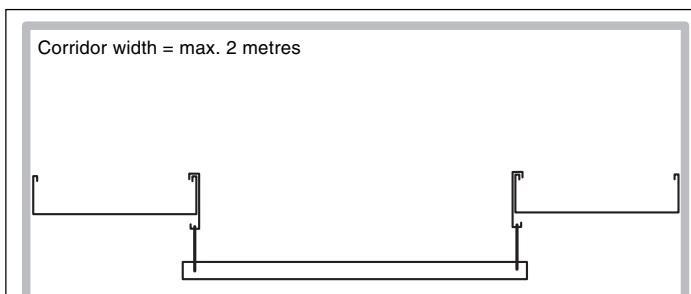
WEF-0001

600 mm c/c is standard. Other c/c measurements can be manufactured on request.

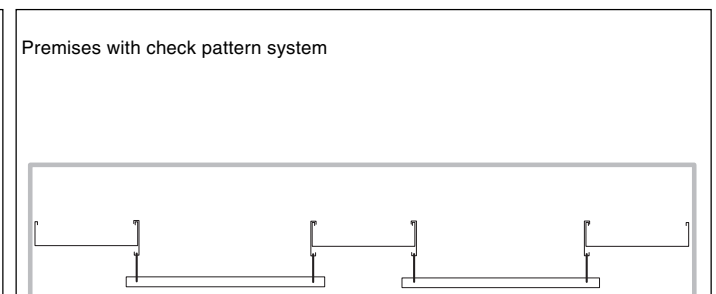


	Powder coated white	Weight kg
Profile W-swing 1	Part. No. C* 721 708 3	100 pcs 210

Use and installation



Installation with tray on both sides and Profile W-swing 1 hanging on tray edge. Hanging baffle, folding in both directions.

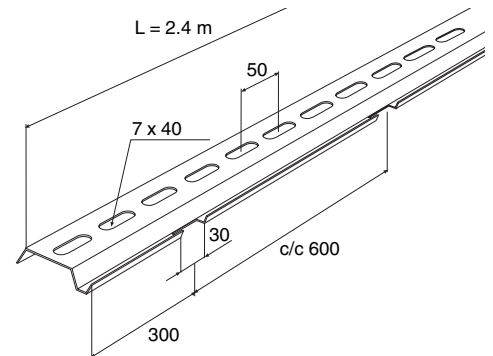
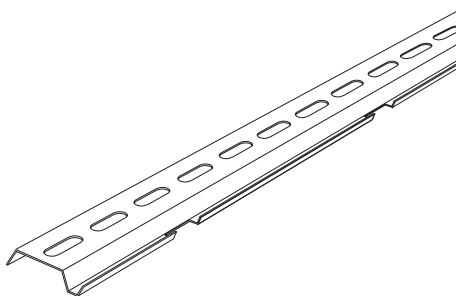


Installation with tray and Profile W-swing 1. Hanging baffles, folding in both directions. The trays have pendular suspension from ceiling.

Profile W-swing 2

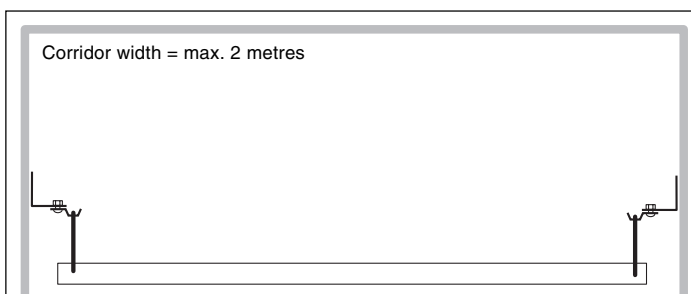
WEF-0001

600 mm c/c is standard. Other c/c measurements can be manufactured on request.

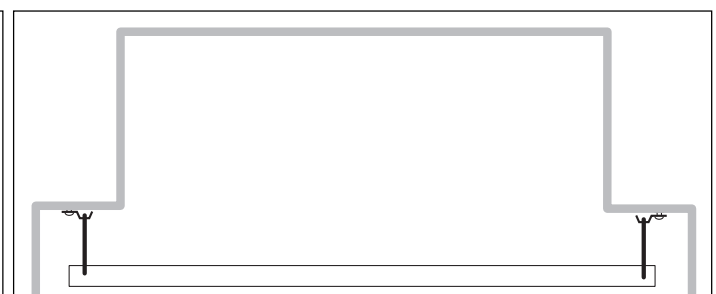


	Pre-galvanized	Pre-galv. + Powder coated white	Weight kg
Profile W-swing 2	Part. No. C* 728 866 3	Part. No. C* 721 709 0	100 pcs 110

Use and installation



Installation with Profile W-swing 2 on Wall bracket W-swing 2. Hanging baffle, folding in both directions.



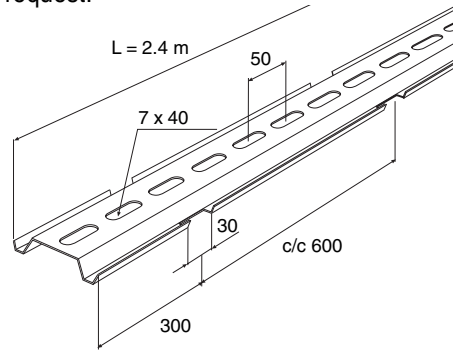
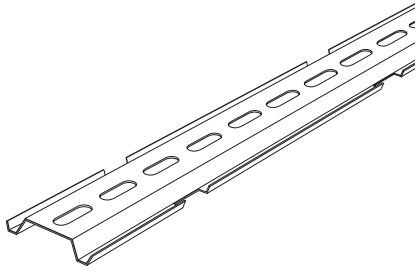
Ceiling installation with Profile W-swing 2. Hanging baffle, folding in both directions.

* EAN-code = 732167 + Part.no + C (control figure)

Profile W-swing 3

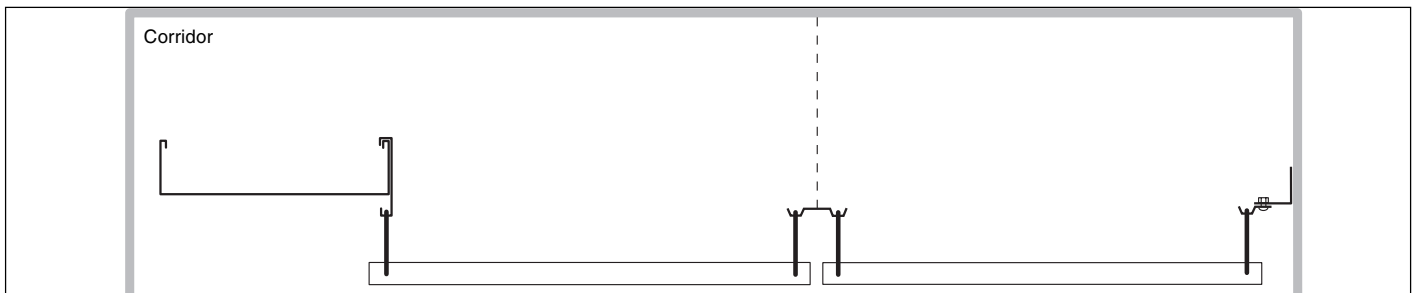
WEF-0001

600 mm c/c is standard. Other c/c measurements can be manufactured on request.



	Powder coated white	Weight kg
Profile W-swing 3	Part. No. C*	100 pcs
	721 710 6	277

Use and installation

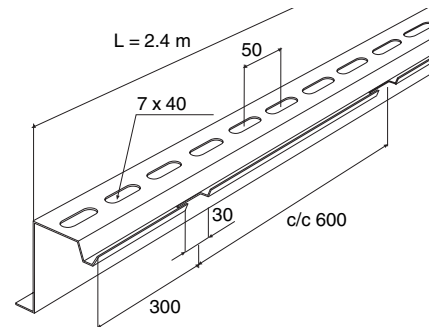
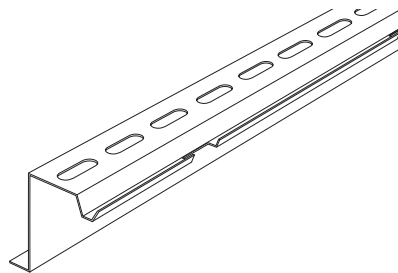


Installation with tray and Profile W-swing 1, Wall bracket W-swing 2 and Profile W-swing 2 with pendant and Profile W-swing 3. Hanging baffles, folding in both directions.

Profile W-swing 4

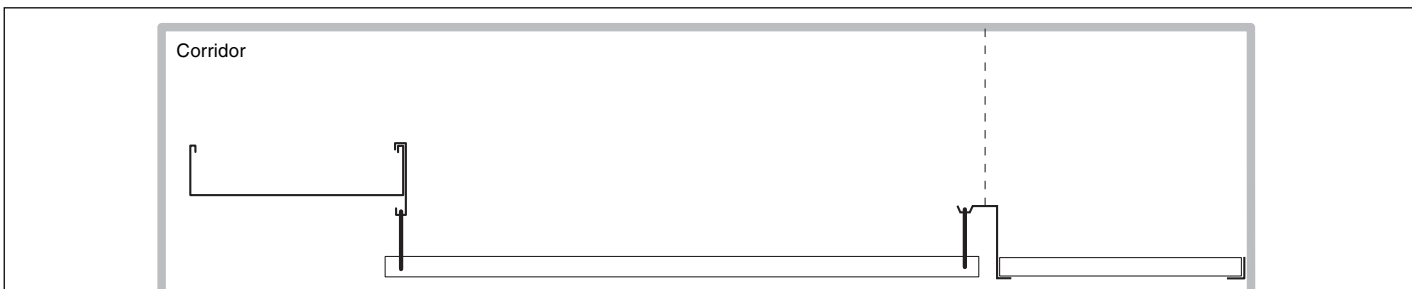
WEF-0001

600 mm c/c is standard. Other c/c measurements can be manufactured on request.



	Powder coated white	Weight kg
Profile W-swing 4	Part. No. C*	100 pcs
	721 711 3	370

Use and installation



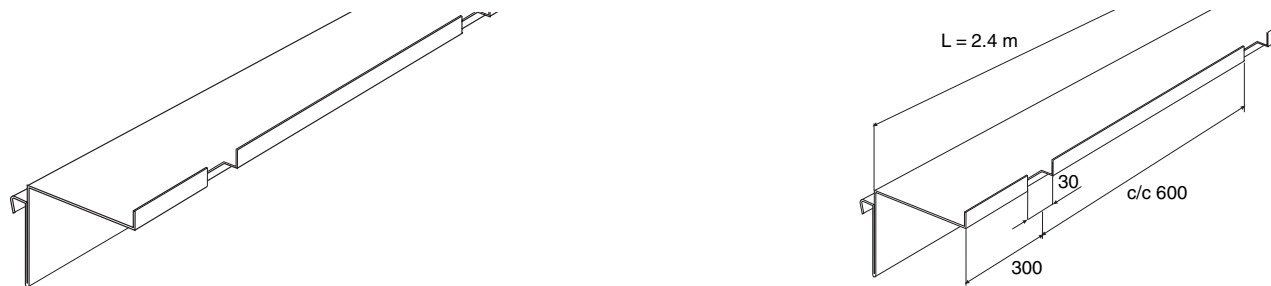
Installation with tray and Profile W-swing 1, Profile W-swing 4 on pendant and wall ledge. Hanging baffle, folding in both directions. Fixed ceiling lamina between Profile W-swing 4 and Wall ledge W46.

* EAN-code = 732167 + Part.no + C (control figure)

Profile W-swing 5

WEF-0001

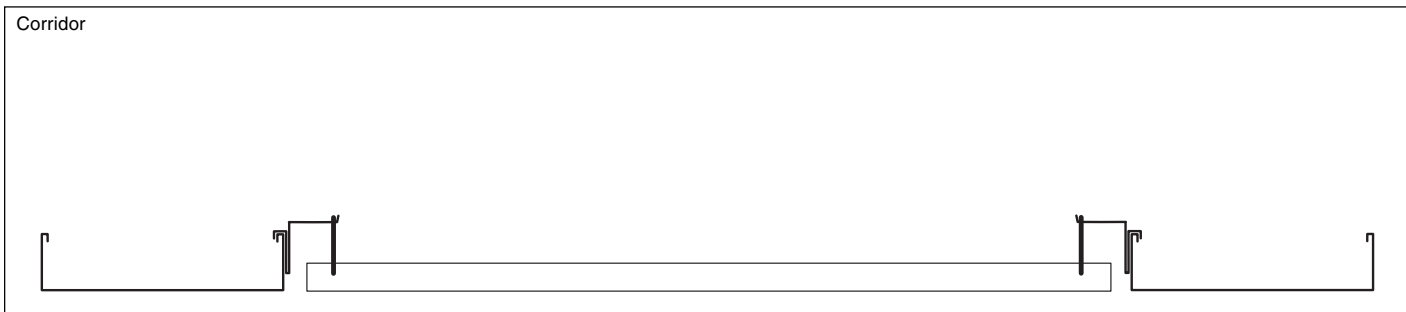
600 mm c/c is standard. Other c/c measurements can be manufactured on request.



Profile W-swing 5	Powder coated white Part. No. C*	Weight kg 100 pcs
	725 452 1	200

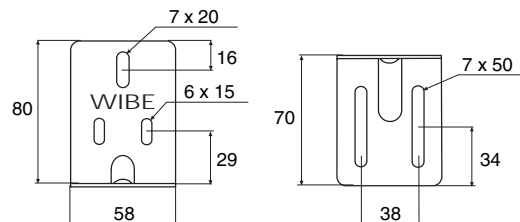
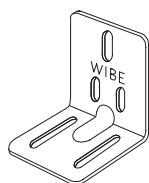
Use and installation

Corridor



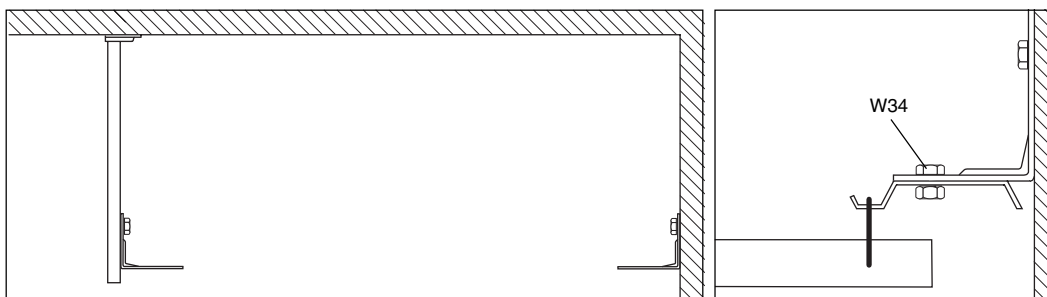
Installation with tray and Profile W-swing 5. Baffle in level with tray and folding in both directions.

Wall bracket W-swing 2



Wall bracket W-swing 2	Pre-galvanized Part. No. C*	Pre-galv. + Powder coated white Part. No. C*	Weight kg 100 pcs
	721 175 3	721 808 0	16

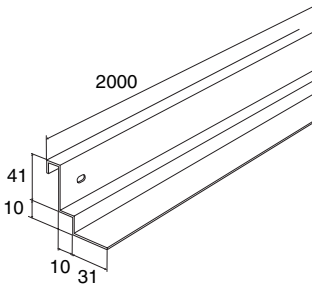
Use and installation



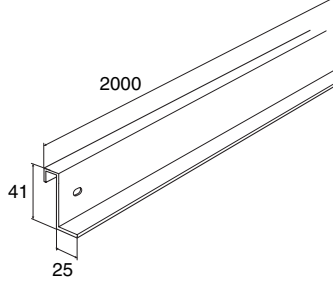
Wall bracket W-swing 2 mounted on pendant or direct on wall.

Profile W-swing 2 mounted on Wall bracket W-swing 2 with Screw set W34. The profile can easily be adjusted in the oval holes of the wall bracket and the profile. Infinitely variable lengthwise and ± 20 mm towards wall.

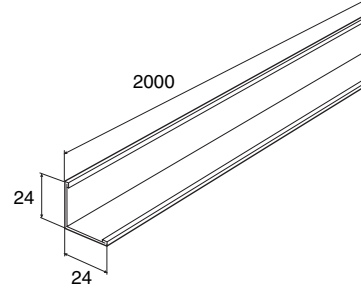
* EAN-code = 732167 + Part.no + C (control figure)



Shade ledge W26



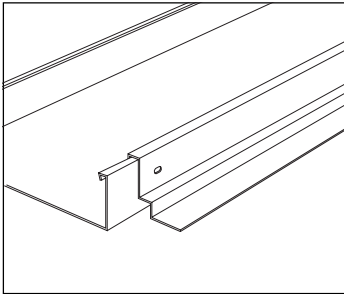
Integrated ceiling support channel W27



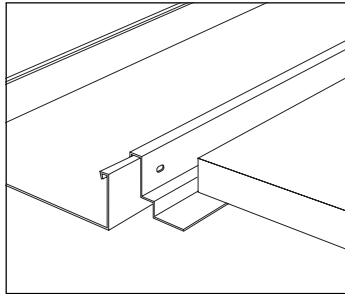
Angle strip W46

	Plate thickness mm	Pre-galvanized		Pre-galv. + Powder coated white		Weight kg 100 pcs
		Part. No.	C*	Part. No.	C*	
Shade ledge W26	1.0	717 990	9	717 991	6	154
Integrated ceiling support channel W27	1.0	714 008	4	714 512	6	130
Angle strip W46	0.6	718 608	2	718 609	9	52

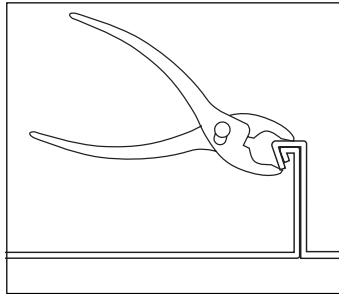
Use and installation



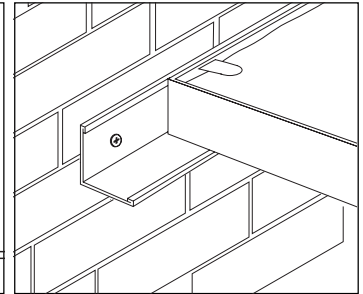
Shade ledge W26 or Integrated ceiling support channel W27 is hung over the side edge of the cable tray.



Shade ledge W26 or Integrated ceiling support channel W27 is used as a support for ceilings mounted between cable trays. Also suitable for Lighting trunking W70/W71. Mounted along the side edges of cable trays or lighting trunking.

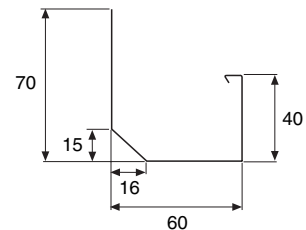
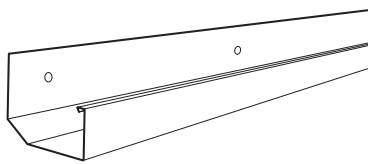


Shade ledge W26 or Integrated ceiling support channel W27 is locked tight in the tray by pinching the ends in under the tray edge with pliers.



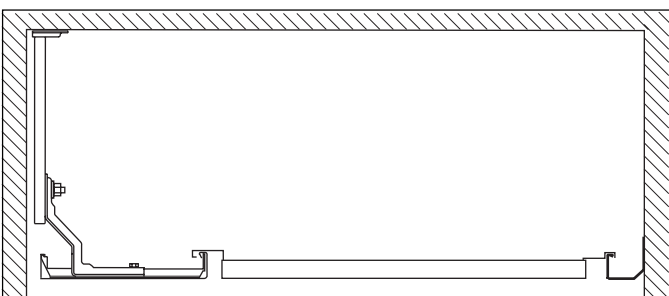
Angle strip W46 is mounted directly onto a wall, column or similar as a support for baffles or ceiling lamina.

Wall tray W60



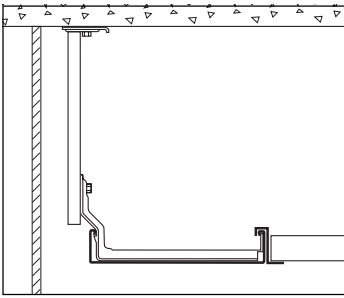
	L mm	Pre-galvanized		Pre-galv. + Powder coated white		Weight kg 100 pcs
		Part. No.	C*	Part. No.	C*	
Wall tray W60-60	2000	718 383	8	720 784	8	135

Use and installation

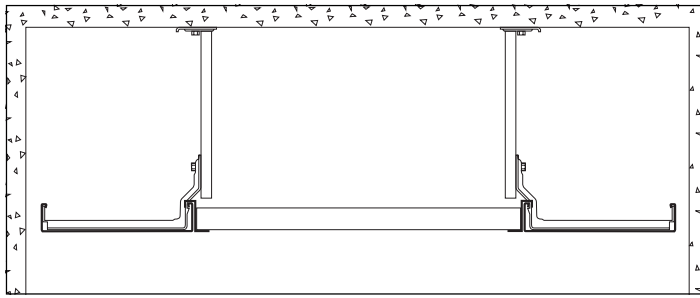


Mounting of ceiling in corridor when canalisation on one side is required but with the same functionality as for cable trays on both sides. Wall trays W60 are mounted directly onto the wall.

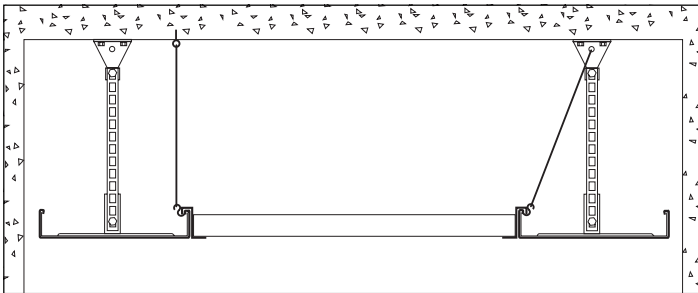
Installation examples



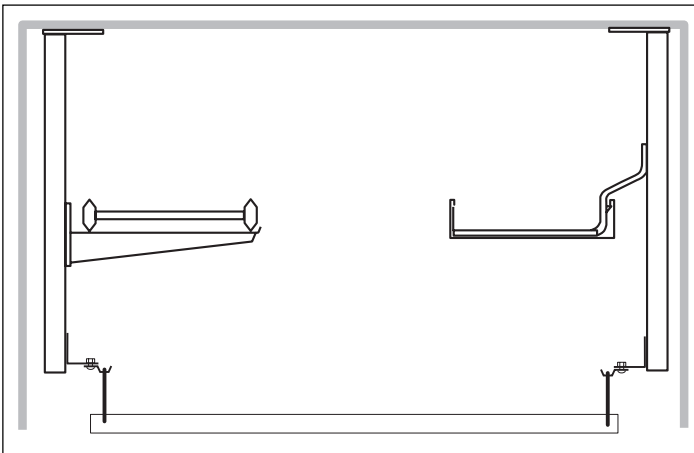
Use Vertical piece 2F at installations in corridors with gypsum walls. The installation can easily be adjusted both vertically and horizontally and will not be effected of vibrations in the walls.



Example of corridor installation. This way of mounting reduce the obliquity of the cable tray.



Example of installation with uneven loadings. The installation has been reinforced with lashing wires. The wire can be fixed to the ceiling or the ceiling bracket.



Installation of Profile W-swing 2 and wall bracket, on the same vertical pieces as the cable ladders/trays. Hanging baffle, folding in both directions.