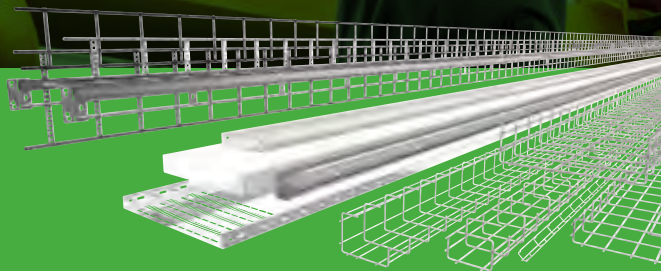


Defem

Mesh Trays & CombiRacks



Cable support solutions for demanding applications
Cable Support Systems



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Cable Support Systems

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Mesh trays & accessories

Use and installation

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Defem Mesh tray system

Electro-galvanized, Pre-galvanized,
Hot-dip galvanized

Mesh tray 53/45 Electro-galv. 1149113
 Mesh tray 75x4/55 Electro-galv. 1149100
 Mesh tray 75x5/55 Electro-galv. 1149110
 Mesh tray 120/60 Electro-galv. 1149101
 Mesh tray 220/60 Electro-galv. 1149102
 Mesh tray 320/60 Electro-galv. 1149103
 Mesh tray 422/60 Electro-galv. 1149114
 Mesh tray 522/60 Electro-galv. 1149115
 Mesh tray 622/60 Electro-galv. 1149116

Ceiling bracket 5 Pre-galv. 721101
 Ceiling bracket 5 Hot-dip galv. 718640
 Screw set 22S Hot-dip galv. 713694
 Pendant/fixing rail 24/48 Pre-galv. 731717
 Pendant/fixing rail 24/48 Hot-dip galv. 705093

Vertical piece 2F-280 Electro-galv. CSU795329
 Vertical piece 2F-505 Electro-galv. CSU795330
 Vertical piece 2F-1000 Electro-galv. CSU795331
 Vertical piece 2F-280 Hot-dip galv. 717196
 Vertical piece 2F-505 Hot-dip galv. 717198
 Vertical piece 2F-1000 Hot-dip galv. 717200
 Screw set 22S Hot-dip galv. 713694
 Support hook D35/120-220 Electro-galv. CSU795344
 Support hook D35/120-220 Hot-dip galv. CSU795347

Vertical piece 2FB-280 Electro-galv. CSU795332
 Vertical piece 2FB-505 Electro-galv. CSU795333
 Vertical piece 2FB-1000 Electro-galv. CSU795334
 Vertical piece 2FB-280 Hot-dip galv. CSU795335
 Vertical piece 2FB-505 Hot-dip galv. CSU795336
 Vertical piece 2FB-1000 Hot-dip galv. CSU795337

T-bolt 26F M8x30 Electro-galv. 734983
 T-bolt 26F M8x30 Hot-dip galv. 734744
 Bolt and nut B13-50 Electro-galv. 1149184
 Bolt and nut B13-50 Hot-dip galv. 1149284
 Fitting B2 Electro-galv. 1149155
 Fitting B2 Hot-dip galv. 1149255

Joining set B52 Electro-galv. 1149153
 Joining set B52 Hot-dip galv. 1149253

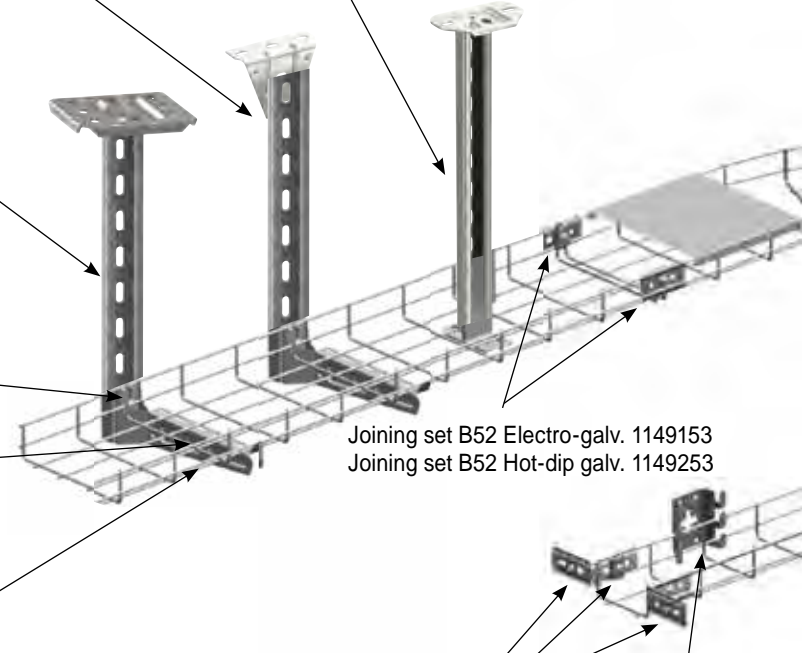
Cantilever arm 50i-100 Pre-galv. 791412
 Cantilever arm 50i-200 Pre-galv. 791413
 Cantilever arm 50i-300 Pre-galv. 791414
 Cantilever arm 50i-400 Pre-galv. 791415
 Cantilever arm 50i-500 Pre-galv. CSU795322
 Cantilever arm 50i-600 Pre-galv. CSU795323
 Cantilever arm 50i-100 Hot-dip galv. CSU795316
 Cantilever arm 50i-200 Hot-dip galv. CSU795317
 Cantilever arm 50i-300 Hot-dip galv. CSU795318
 Cantilever arm 50i-400 Hot-dip galv. CSU795319
 Cantilever arm 50i-500 Hot-dip galv. CSU795320
 Cantilever arm 50i-600 Hot-dip galv. CSU795321

Angled fitting B27 Electro-galv. 1149169
 Angled fitting B27 Hot-dip galv. 1149269

Fitting B2 Electro-galv. 1149155
 Fitting B2 Hot-dip galv. 1149255

Bracket B4 Electro-galv. 1149157
 Bracket B4 Hot-dip galv. 1149257

Bracket B4 mini Electro-galv. 1149198
 Bracket B4 mini Hot-dip galv. 1149298

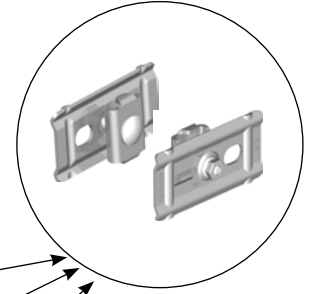


Mesh tray 53/45 Hot-dip galv. 1149213
 Mesh tray 75x4/55 Hot-dip galv. 1149200
 Mesh tray 75x5/55 Hot-dip galv. 1149210
 Mesh tray 120/60 Hot-dip galv. 1149201
 Mesh tray 220/60 Hot-dip galv. 1149202
 Mesh tray 320/60 Hot-dip galv. 1149203
 Mesh tray 422/60 Hot-dip galv. 1149214
 Mesh tray 522/60 Hot-dip galv. 1149215
 Mesh tray 622/60 Hot-dip galv. 1149216

Mesh tray 120/110 Electro-galv. 1149104
 Mesh tray 220/110 Electro-galv. 1149105
 Mesh tray 320/110 Electro-galv. 1149106
 Mesh tray 422/110 Electro-galv. 1149107
 Mesh tray 522/110 Electro-galv. 1149108
 Mesh tray 622/110 Electro-galv. 1149109
 Mesh tray 120/110 Hot-dip galv. 1149204
 Mesh tray 220/110 Hot-dip galv. 1149205
 Mesh tray 320/110 Hot-dip galv. 1149206
 Mesh tray 422/110 Hot-dip galv. 1149207
 Mesh tray 522x110 Hot-dip galv. 1149208
 Mesh tray 622x110 Hot-dip galv. 1149209

Joining set B52 Electro-galv. 1149153
 Joining set B52 Hot-dip galv. 1149253

Support hook D35/320-422 Electro-galv. CSU795345
 Support hook D35/320-422 Hot-dip galv. CSU795348
 Support hook D35/422-622 Electro-galv. CSU795346
 Support hook D35/422-622 Hot-dip galv. CSU795349



Fitting B3 Electro-galv. 1149156
 Fitting B3 Hot-dip galv. 1149256

Fitting B1 Electro-galv. 1149154
 Fitting B1 Hot-dip galv. 1149254

Fitting B2 Electro-galv. 1149155
 Fitting B2 Hot-dip galv. 1149255

Bolt and nut B13-250 Electro-galv. 1149185
 Bolt and nut B13-250 Hot-dip galv. 1149285

Separating plate B36 Pre-galv. 1149276
 Plate holder B38 Electro-galv. 1149289

Bendplate B31/120 Al 1149226
 Bendplate B31/220 Al 1149227
 Bendplate B31/320 Al 1149228
 Bendplate B31/422 Al 1149229

Plate cover B7/75 L=1.25 m Pre-galv. CSU795264
 Plate cover B7/120 L=1.25 m Pre-galv. CSU795265
 Plate cover B7/220 L=1.25 m Pre-galv. CSU795266
 Plate cover B7/320 L=1.25 m Pre-galv. CSU795267
 Plate cover B7/422 L=1.25 m Pre-galv. CSU795268

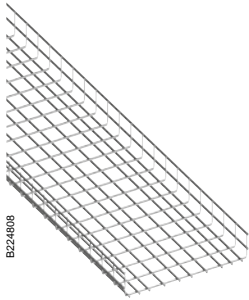
Accessories holder B5 Electro-galv. 1149158
 Accessories holder B5 Hot-dip galv. 1149258

Separating plate B26 Pre-galv. 1149278

Tele-channel B6/50 Pre-galv. 1149247

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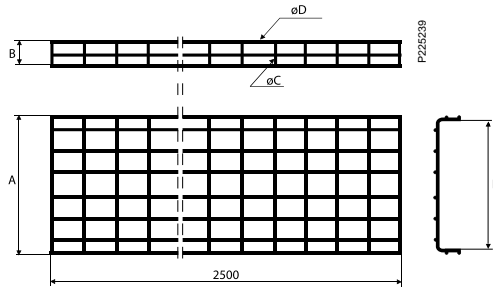


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Safe working-load

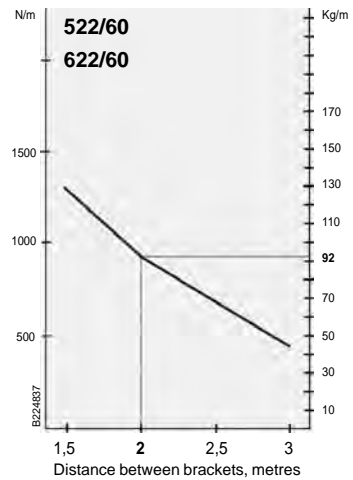
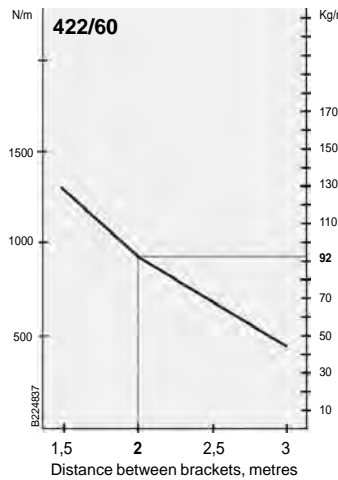
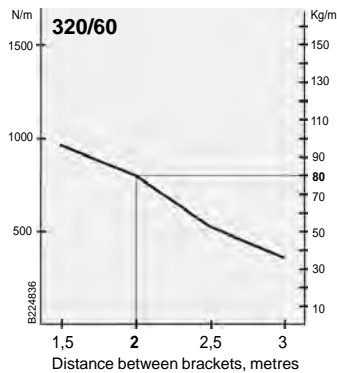
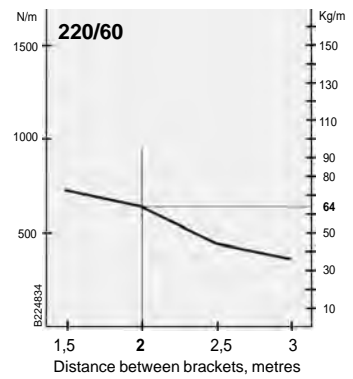
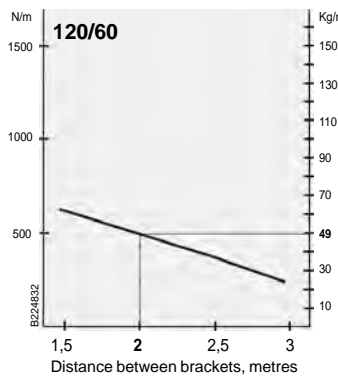
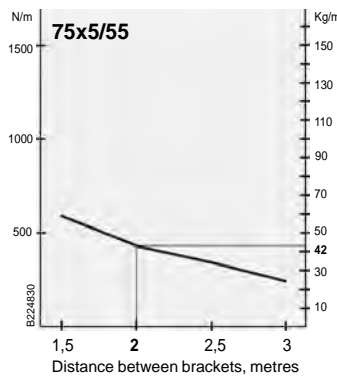
The safe working-load is calculated according to the standard IEC 61537. See diagrams below.

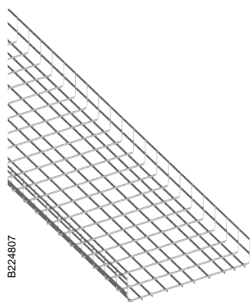
- The load is uniformly distributed along the mesh trays
- Free location of joints between supports
- The safety working-load value is given when: – the longitudinal deflection is $\leq 1\%$ of the span between brackets – the transversal deflection is $\leq 5\%$ of the width of the mesh tray.



P225238

Type	A mm	B mm	C mm	D mm	E mm
Mesh tray 53/45	53	45	4	4	37
Mesh tray 75/55	75	55	4	4	59
Mesh tray 75/55	75	55	5	5	55
Mesh tray 120/60	120	60	5	5	100
Mesh tray 220/60	220	60	5	5	200
Mesh tray 320/60	320	60	5	5	300
Mesh tray 422/60	422	60	5	6	400
Mesh tray 522/60	522	60	5	6	500
Mesh tray 622/60	622	60	5	6	600



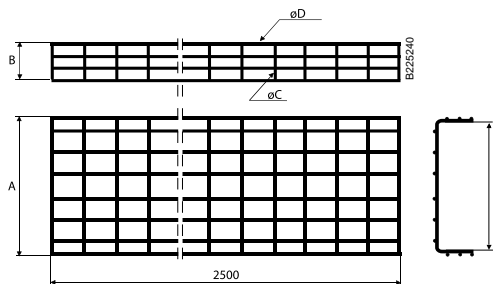


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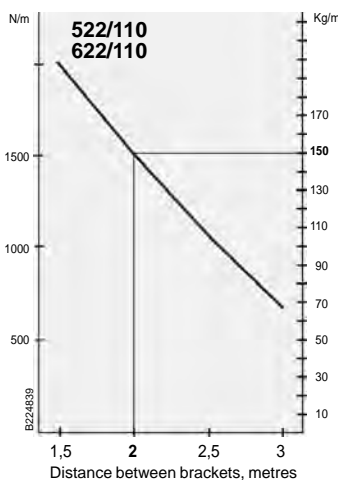
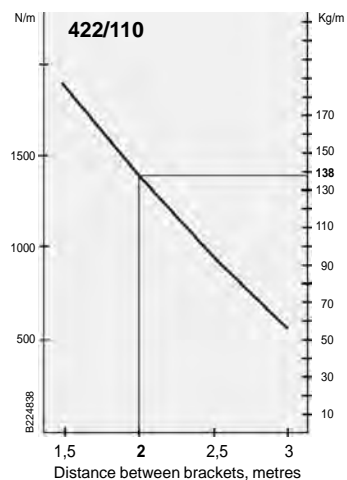
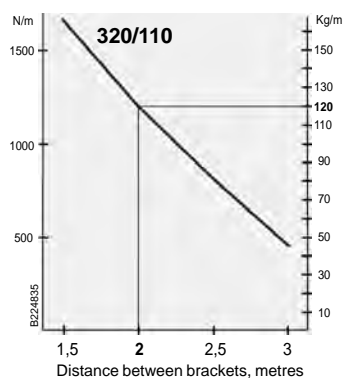
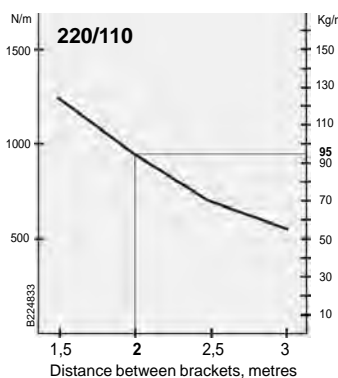
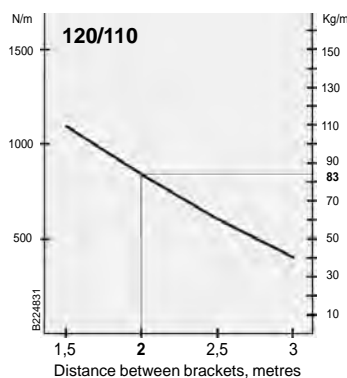
Safe working-load

The safe working-load is calculated according to the standard IEC 61537. See diagrams below.

- The load is uniformly distributed along the mesh trays
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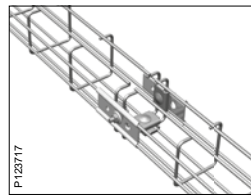
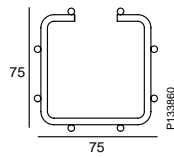
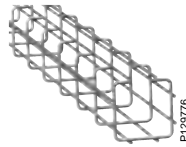
Type	A mm	B mm	C mm	D mm	E mm
Mesh tray 120/110	120	110	5	5	100
Mesh tray 220/110	220	110	5	5	200
Mesh tray 320/110	320	110	5	5	300
Mesh tray 422/110	422	110	5	6	400
Mesh tray 522/110	522	110	5	6	500
Mesh tray 622/110	622	110	5	6	600



C-Mesh tray

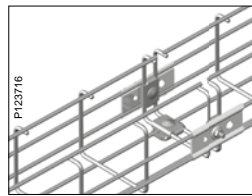
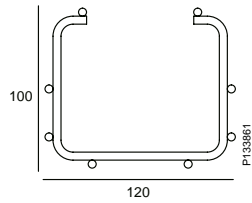
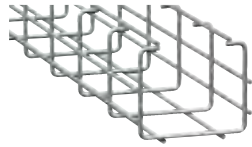
For use where mounting with long support distances (up to 4 metres) are needed.

C-Mesh tray 75x75



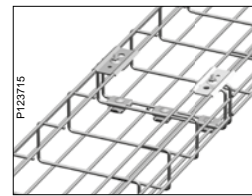
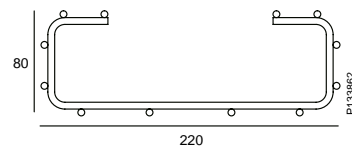
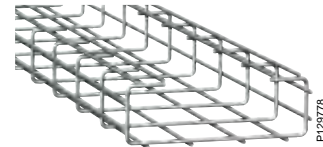
Joining of two C-Mesh trays 75x75.

C-Mesh tray 120x100



Joining of two C-Mesh trays 120x100.

C-Mesh tray 220x80

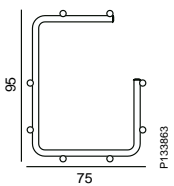
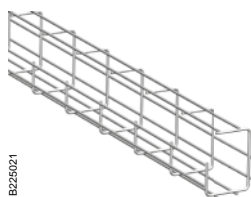


Joining of two C-Mesh trays 220x80.

G-Mesh tray

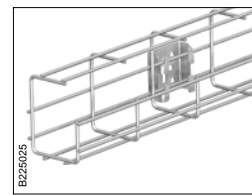
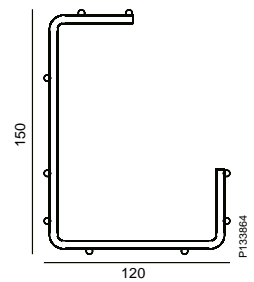
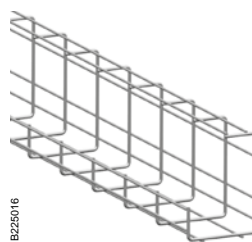
For installation in ceilings, onto walls, under desks and mounting on cable ladders.

G-Mesh tray 75x95

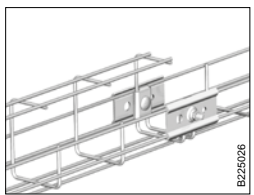


For mounting in ceilings, under desks etc. Fitting B1 is used.

G-Mesh tray 120x150



Bracket B4 can also be used for mounting onto floor, wall or ceiling.

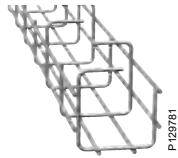


Fittings B1 and B2 are used for joining the mesh trays. Example of jointing G-mesh tray with standard mesh tray

Z-Mesh tray

For environments where regular and thorough cleaning is required.

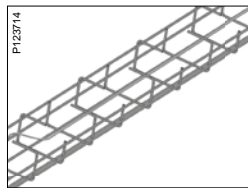
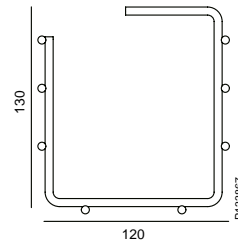
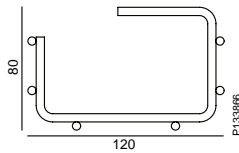
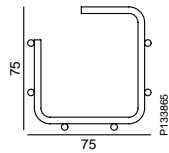
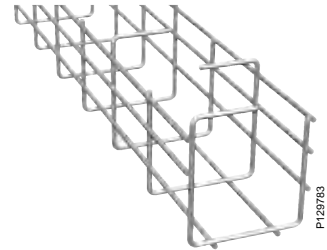
Z-Mesh tray 75x75



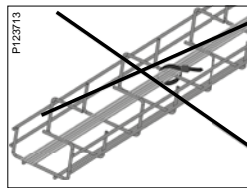
Z-Mesh tray 120x80



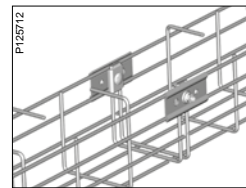
Z-Mesh tray 120x130



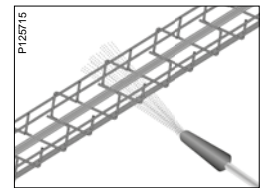
The cable is routed in a zigzag pattern inside the Z-Mesh tray.



No cable ties are needed, not even in vertically mounted trays.

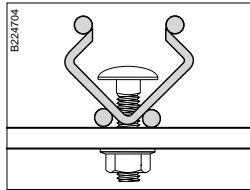
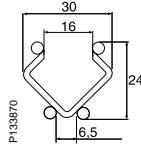
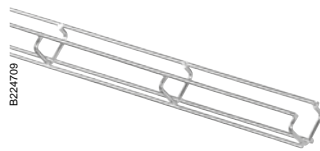


Fittings B1 and B2 are used for joining of Z-Mesh trays.

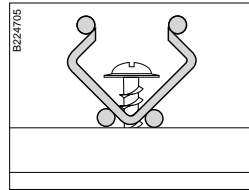


The non-bundled cables will stay in place during cleaning.

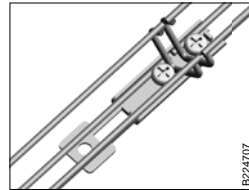
Mini Mesh B30-D



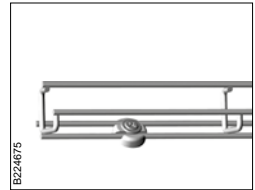
Can be mounted with Bolt and Nut B13.



Can be mounted with suitable screw for wood, concrete etc.

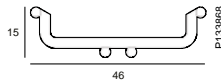


Two Mini Mesh B30-D joined with Mounting coupler B20.

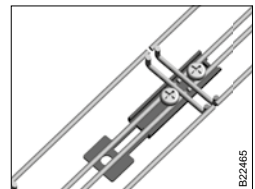


B30-D mounted onto Mounting spacer B22.

Mini Mesh B30-U

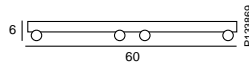


B30-U mounted onto Mounting spacer B22.



Two Mini Mesh B30-U joined with Mounting coupler B20.

Mini Mesh B30-I



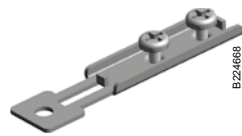
B30-I mounted onto Mounting spacer B22.



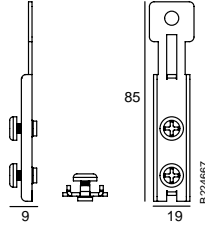
B30-I mounted onto cable ladder.

Mounting coupler B20

Used for joining and mounting of Mini Mesh Mesh trays.



B224668

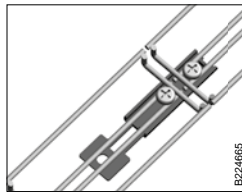


9

8.5

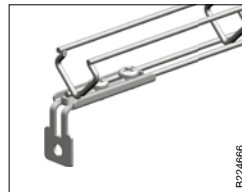
19

B224667



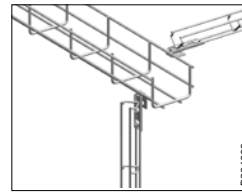
B224665

Used for joining of Mini Mesh Trays.



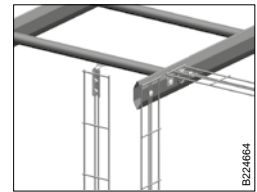
B224666

Can be used for mounting of Mini Mesh trays to ceiling, floor and onto wall.



B224663

The mounting coupler can be used for vertical and horizontal mounting of Mini Mesh trays onto mesh trays and cable ladders.



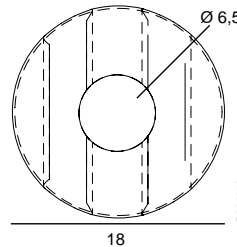
B224664

Mounting spacer B22

Plastic Spacer that fits all Mini Mesh dimensions. Easy to mount, just snap the spacer onto the bottom wires.



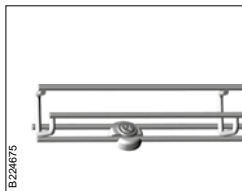
B224680



18

Ø 6,5

B224679



B224675

Front view of Mounting Spacer B22 attached to Mini Mesh.



B224676

Side view of Mounting Spacer. B22 attached to Mini Mesh-D.



B224677

Side view of Mounting Spacer. B22 attached to Mini Mesh-U.



B224678

Side view of Mounting Spacer. B22 attached to Mini Mesh-I.

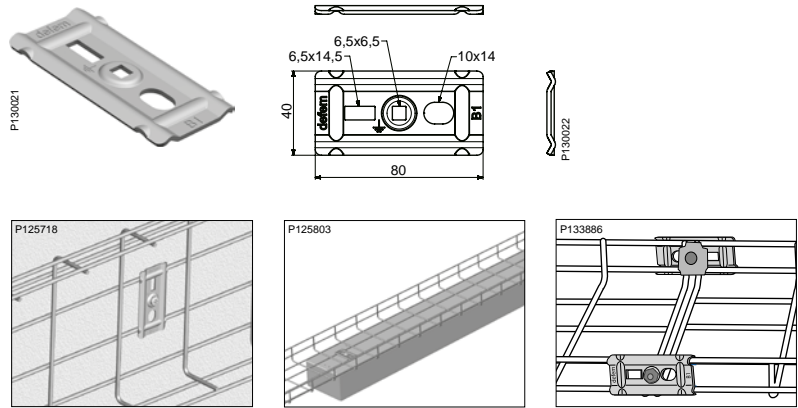
Recommended couplers

For joining Mesh trays

Mesh tray size	Side joining	Central joining
53 - 220	2xB1 + 2xB2 + 2xB13 or 2xB52	Not required
320	2xB1 + 2xB2 + 2xB13 or 2xB52	2xB2 + 1xB13
422	2xB1 + 2xB2 + 2xB13 or 2xB52	4xB2 + 2xB13
522 - 622	2xB1 + 2xB2 + 2xB13 or 2xB52	6xB2 + 3xB13

Fitting B1

Delivered without bolt and nut.



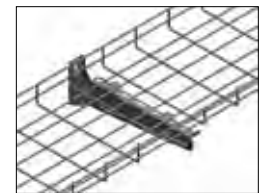
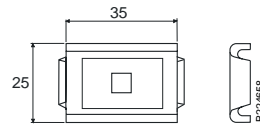
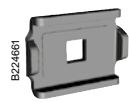
Fitting B1 can be used as a wall bracket.

Fitting B1 can be mounted over the centre wires as carrier of lighting fittings.

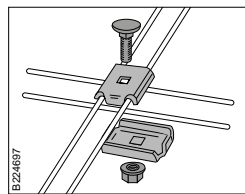
Mesh tray 53 to 220 is joined with:
2 pcs of Fitting B1
2 pcs of Fitting B2
2 pcs of Bolt and Nut B13

Fitting B2

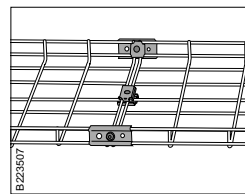
Delivered without bolt and nut.



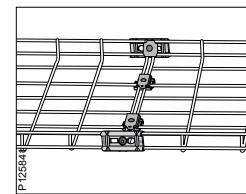
Mesh Tray mounted on Cantilever arm 50i with 2 pcs of Fitting B2 and 2 pcs of Bolt and Nut B13.



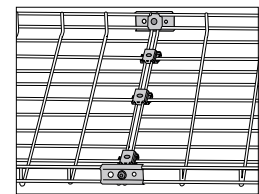
For joining in bottom of tray:
2 pcs of Fitting B2
1 pc of Bolt and Nut B13.



Mesh tray 320 is joined with
2 pcs of Fitting B1
4 pcs of Fitting B2
3 pcs of Bolt and Nut B13.

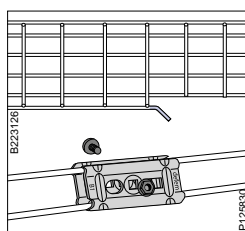


Mesh tray 422 is joined with
2 pcs of Fitting B1
6 pcs of Fitting B2
4 pcs of Bolt and Nut B13

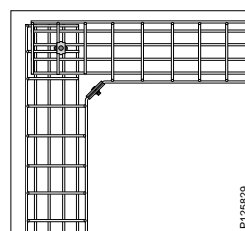


Mesh tray 522 and 622 is joined with
2 pcs of Fitting B1
8 pcs of Fitting B2
5 pcs of Bolt and Nut B13.

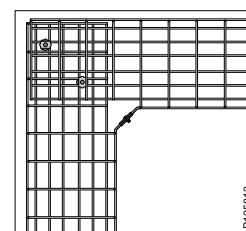
90° angling with Fitting B1 och B2



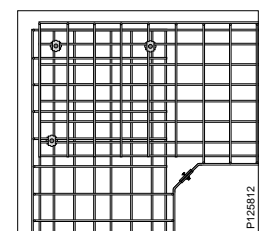
To obtain a softer inner angle, 2 Fittings B1 can be mounted with Bolt and Nut B13.



Mesh tray 53 to 220 are joined with:
2 pcs of Fitting B1
2 pcs of Fitting B2
2 pcs of Bolt and Nut B13



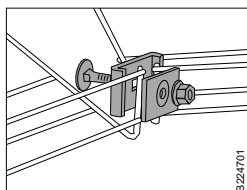
Mesh tray 320 and 422 are joined with:
2 pcs of Fitting B1
4 pcs of Fitting B2
3 pcs of Bolt and Nut B13



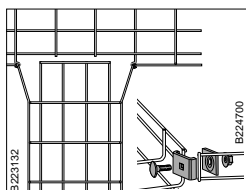
Mesh tray 522 and 622 are joined with:
2 pcs of Fitting B1
6 pcs of Fitting B2
4 pcs of Bolt and Nut B13

Fitting B3

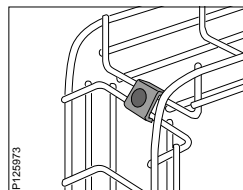
Delivered with bolt and nut.



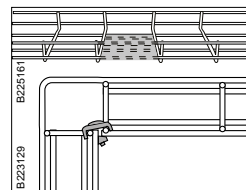
Horizontal bends are joined with Fitting B3.



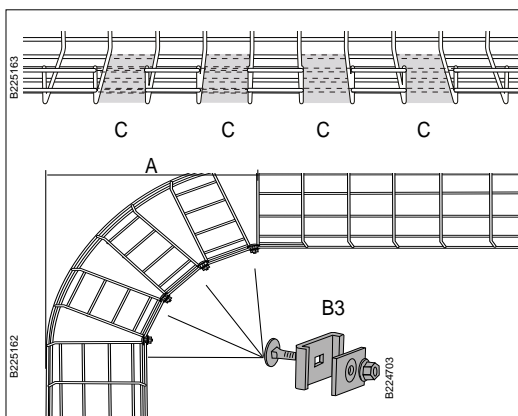
Four way and tees are joined with Fitting B3.



Vertical bends are joined with one or more Fitting B3, depending on mesh tray width.

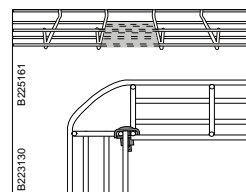


Mesh tray 53 is shaped to straight 90° angle by cutting out marked wires and joined with Fitting B3.



Mesh tray 120-622 is shaped to straight 90° angle by cutting out every other marked mesh tray section and joined with Fitting B3 according to table below.

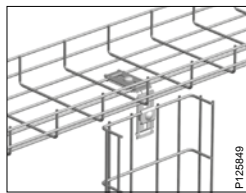
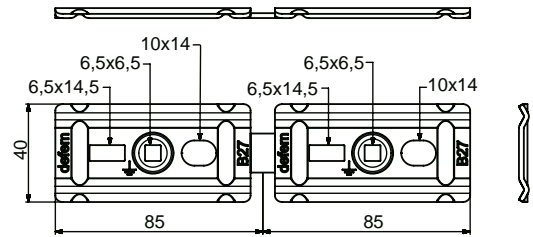
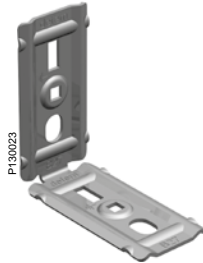
Mesh tray	A mm	C No. of cut-out sections	Fitting B3 No.
120	300	2	2
220	550	4	4
320	820	6	6
422	1080	8	8
522	1320	10	10
622	1590	12	12



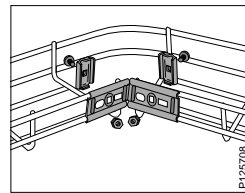
Mesh tray 53 is shaped to straight 90° angle by cutting out marked wires and joined with Fitting B3.

Angled fitting B27

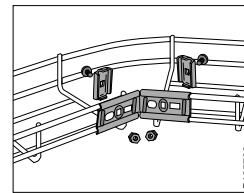
For tees and mountings to wall, ceiling and floor etc.



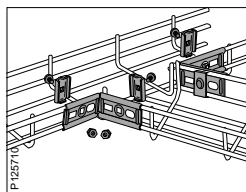
For vertical branching under mesh trays, all widths:
 1 pce of Angled fitting B27
 1 pce of Fitting B1
 1 pce of Fitting B2
 2 pcs of Bolt and Nut B13



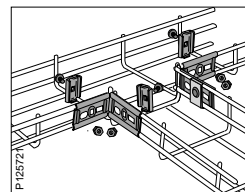
To join the bend:
 1 pce of Angled fitting B27
 2 pcs of Fitting B2
 2 pcs of Bolt and Nut B13.



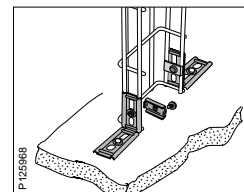
The bend can be adjusted by shaping the Angled fitting B27 to the required angle.



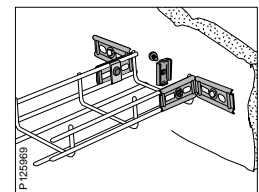
Tee with required angle is created with:
 2 pcs of Angled fitting B27
 4 pcs of Fitting B2
 4 pcs of Bolt and Nut B13.



90° tee is created with:
 2 pcs of Angled fitting B27
 4 pcs of Fitting B2
 4 pcs of Bolt and Nut B13.



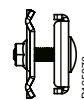
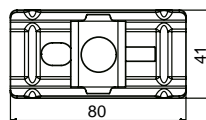
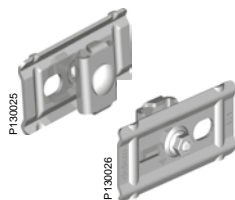
Mounting to floor/ceiling is created with:
 2 pcs of Angled fitting B27
 2 pcs of Fitting B2
 2 pcs of Bolt and Nut B13.



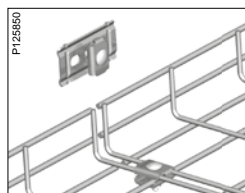
Mounting to wall is created with:
 2 pcs of Angled fitting B27
 2 pcs of Fitting B2
 2 pcs of Bolt and Nut B13.

Joining set B52

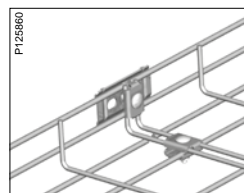
Pre-assembled joining fitting (Fittings B1, B2, Bolt and Nut B13).
 Used for joining of the side sections.



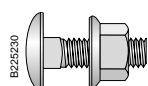
Note! For joining of 320 mm trays and wider, extra Fittings B2 need to be mounted with Bolt and Nut B13 in the bottom of the trays.



Mount Joining set B52 on the side section.



Tighten the bolt and the joining is finished.

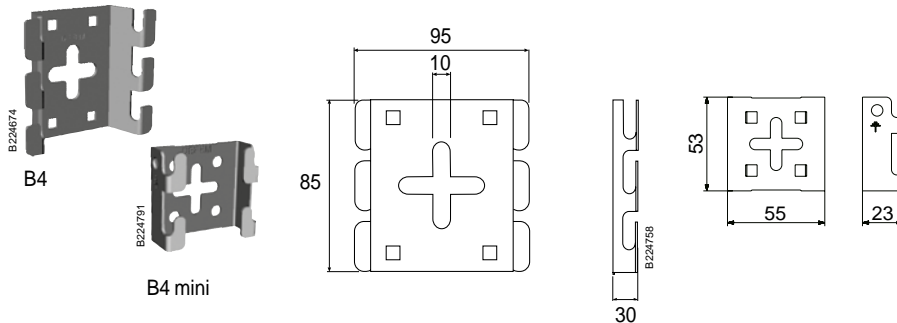


Bolt and nut B13

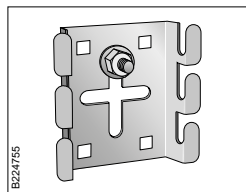
M6x25. Tensi-Lock and Flange Nut M6. Used for mesh tray installations with support hooks and fittings intended for joining, fixation etc.

Bracket B4/B4 mini

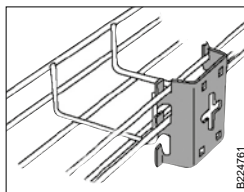
For mounting of Mesh trays 53-622 onto wall and floor.



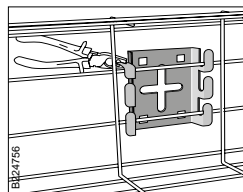
B4



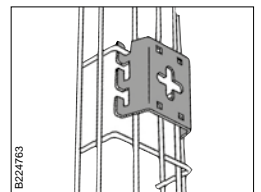
Mounted to wall/ceiling/floor with Expansion bolt in middle hole or screws in corner holes.



The side wires of the tray are easily hooked onto the grips of the bracket.

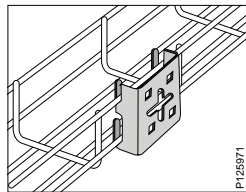


For increased stability, the B4 grips can be closed around the wires.

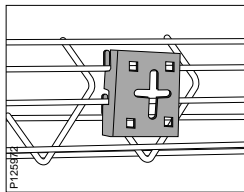


The mesh tray can also be mounted vertically.

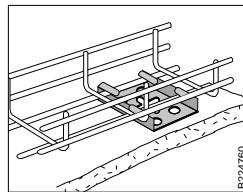
B4 Mini



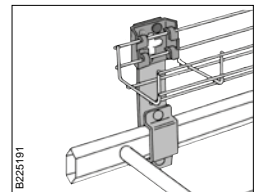
For horizontal mounting with bottom or side of tray onto the bracket grips.



The mesh tray can also be mounted with 45° angle.



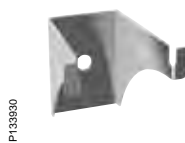
The Mesh tray can also be mounted to floor.



Mesh trays are mounted onto Combi Fitting B21 with Bracket B4 or B4 Mini.

Bracket B4 100/2, B4 100/4, B4 Mini 100

Brackets to be used for stable and secure mounting of mesh trays on walls and pendants. Intended for extended vertical or horizontal installation in hygienic areas where a distance is needed for cleaning purposes. Distance to the supporting surface 100 mm. Material: Stainless steel AISI316L.



B4 100/2 is used for Mesh tray 422-622 mm



B4 100/4 is used for Mesh tray 220-320 mm

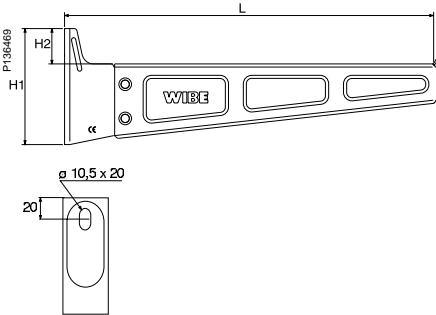


B4 Mini 100 is used for Mesh tray 53-120 mm

Bracket B4 100/2, used for the mounting of mesh tray widths 422-622 mm, are to be installed in pairs in two lines for heavy mesh tray loadings.

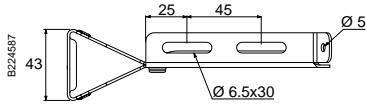
Cantilever arm 50i

Cantilever arm to be used for lighter mountings on walls, vertical pieces or pendant/ fixing rails.

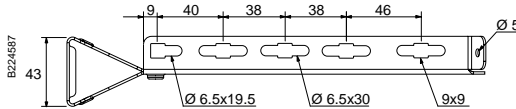


Cantilever arm type	Size		
	L mm	H1 mm	H2 mm
50i-100	150	80	32.0
50i-200	250	85	28.5
50i-300	350	110	33.5
50i-400	450	115	31.0
50i-500	550	150	31.0
50i-600	650	150	31.0

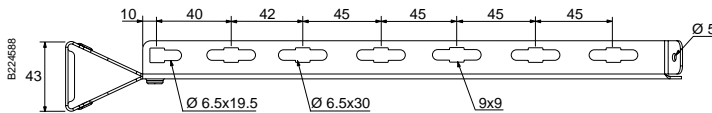
Widths = 100



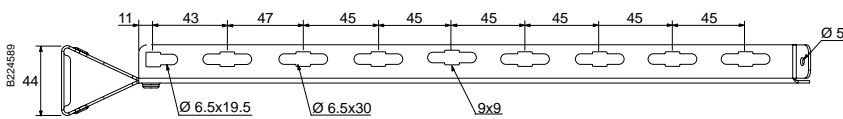
Widths = 200



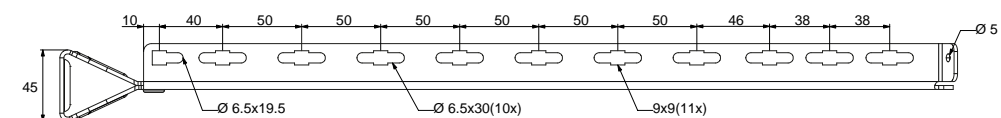
Widths = 300



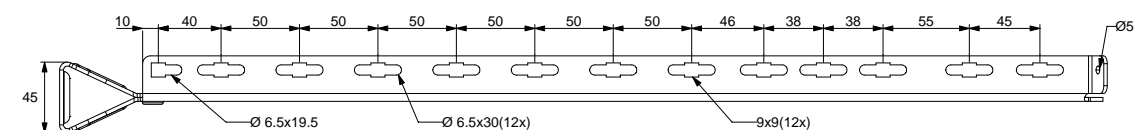
Widths = 400



Widths = 500



Widths = 600

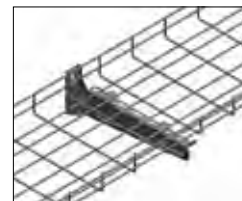




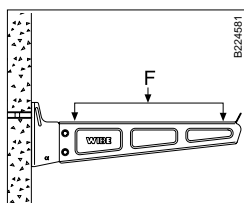
Cantilever arm 50i is mounted on Vertical piece 2F/2FB or Pendant/fixing rail 24/48 with T-bolt 26F M8. Check breaking load of the vertical piece.



Double sided mounting of Cantilever arm 50i on Vertical piece 2F/2FB or Pendant/fixing rail 24/48. Screw set 20S is used.



Mesh tray mounted on Cantilever arm 50i with 2 pcs of Fitting B2 and 2 pcs of Bolt and Nut B13 on longitudinal wire



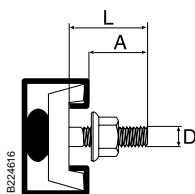
Installation of cantilever arm mounted to wall using Expansion bolt M8. Breaking load - see table to the right.

Breaking load F - Mounted on wall		
Type of cantilever arm	kN	kg
50i-100	2.30	230
50i-200	2.15	215
50i-300	2.20	220
50i-400	2.35	235
50i-500	3.00	300
50i-600	3.00	300

T-bolt 26F



To be used for the mounting of Cantilever arm 50i and 50 on Vertical piece 2F, 2FB and Pendant/Fixing rail 24/48.



Type	L mm	A mm
M8	30	24

Screw set 20S

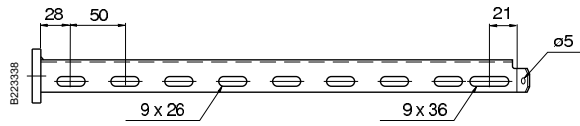
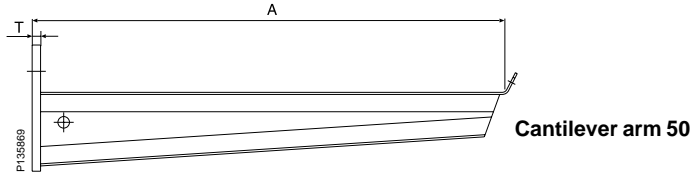


Screw set to be used for double sided mounting of Cantilever arms on Vertical piece 2F/2FB or Pendant/fixing rail 24/48. Set including screw MVBF 8x60 and nut M6MF8. Part no. 715736

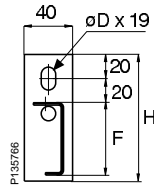
Safe working load according to IEC 61537 is breaking load divided by 1,7.

Cantilever arm 50

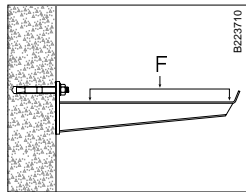
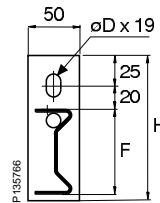
Cantilever arm for heavier mounting on walls, pendant/fixing rails or vertical pieces.



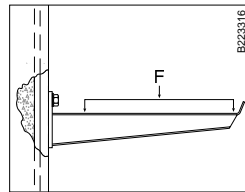
50/100-300



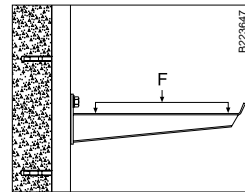
50/400-600



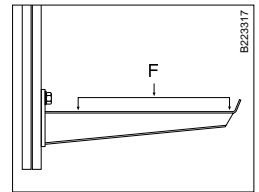
Installation of a cantilever arm to a wall using an Expansion bolt. Breaking load – see below table.



Installation of a cantilever arm using a T-bolt on a Fixing rail 24/26x53 for casting-in or Pendant/ Fixing rails mounted on the wall. Breaking load – see below table



Mounting a cantilever arm using a T-bolt on a Pendant/ Fixing rail mounted on a wall.



Installation of cantilever arm using T-bolt with vertical pieces. Breaking load – see below table. Also check breaking load of the vertical piece.

Size and Breaking load F

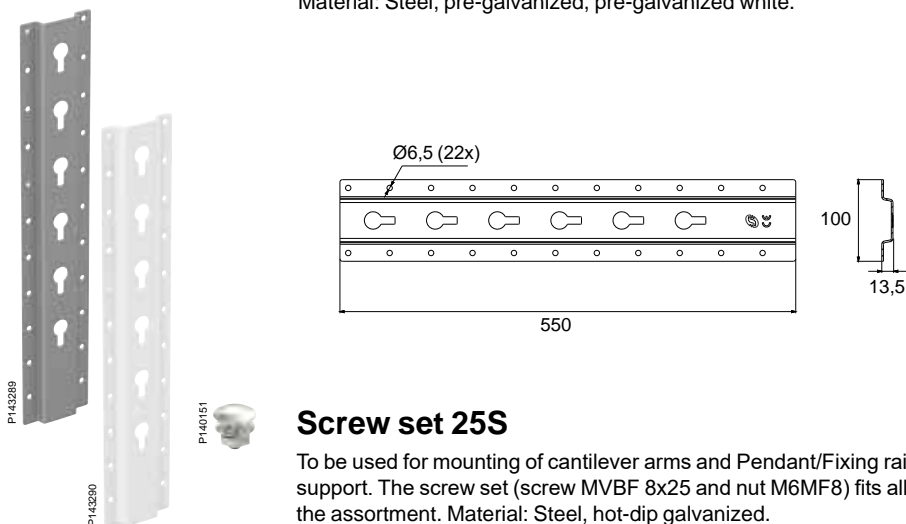
Type	A mm	D mm	F mm	H mm	T mm	Mounted on wall		Mounted on P/F rail 24/48 with T-bolt 26F	
						kN	kg	kN	kg
50/150	200	12	36	85	4	3.0	300	3.0	300
50/250	300	12	56	105	6*	4.0	400	4.0	400
50/300	350	12	60	105	6*	4.0	400	4.0	400
50/400	450	12	70	120	8*	6.5	650	6.5	650
50/500	550	12	77	140	8*	7.0	700	7.0	700
50/600	650	12	84	150	10*	7.0	700	7.0	700

* Stainless steel: 50/250-300 T=4mm, 50/400-600 T=5mm.

Safe working load according to IEC 61537 is breaking load divided by 1,7.

Wall support

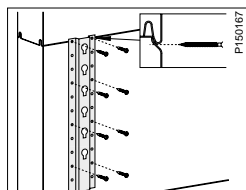
Used for mounting of cantilever arms on porous walls, sandwich construction wall blocks or other wall types in order to reduce the surface pressure. The support is mounted directly onto wall by using suitable screws. It has six keyholes for easy fixation of cantilever arms at the desired height. Screw set 25S is used for mounting of cantilever arm on the wall support. Material: Steel, pre-galvanized, pre-galvanized white.



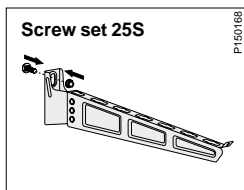
Screw set 25S

To be used for mounting of cantilever arms and Pendant/Fixing rail 24/48 on wall support. The screw set (screw MVBF 8x25 and nut M6MF8) fits all cantilever arms in the assortment. Material: Steel, hot-dip galvanized.

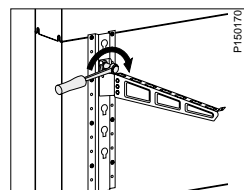
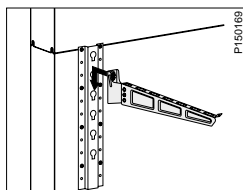
Mounting and fixation of cantilever arm on wall support.



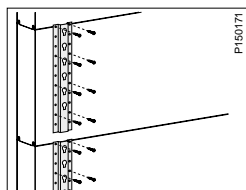
Wall supports reduce the surface stress on porous walls. The support is mounted directly onto the wall by using suitable screws.



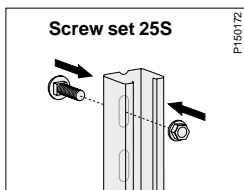
Screw set 25S is to be used for mounting of cantilever arm on the wall support. For fixation of the cantilever arm a suitable spanner is used as shown above.



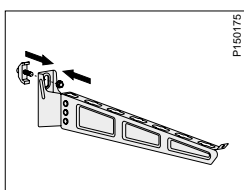
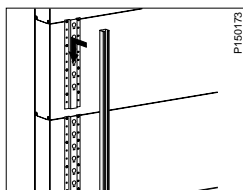
Extended mounting of cantilever arm on wall support.



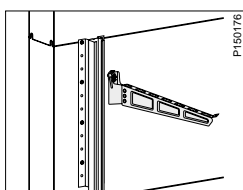
To achieve an extended mounting of cantilever arms two or more wall supports can be combined with Pendant/ Fixing rail 24/48. The supports are mounted directly onto the wall by using suitable screws.



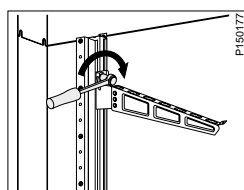
Screw set 25S is to be used for mounting of Pendant/Fixing rail 24/48 on the wall supports. For fixation of the P/F rail a suitable spanner is used as shown above.



The cantilever arm is mounted by using T-bolt, which permits height adjustment.

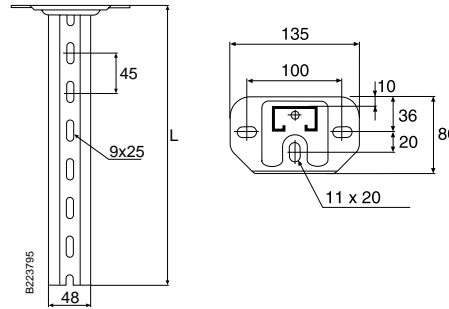


The cantilever arm is tightened to the P/F rail at the desired angle by using a suitable spanner, see above.

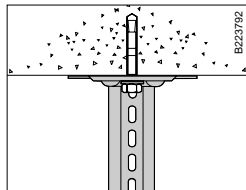


Vertical piece 2F

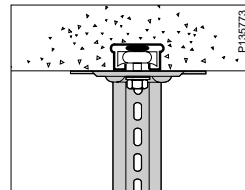
Vertical piece to be used for installation of Cantilever arm 50/50i. Can be joined to Pendant/fixing rail 24/48 with Pendant joint 2FJ. Can be mounted from the ceiling or on the floor. Can also be mounted as a cantilever arm on a wall.



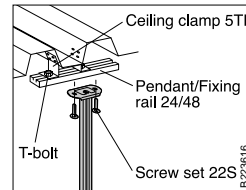
Type	L mm
Vertical piece 2F/280	280
Vertical piece 2F/505	505
Vertical piece 2F/1000	1000



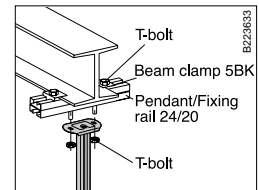
Mount Vertical piece 2F using Expansion bolt alt. Concrete screw.



On Fixing rail for casting-in, mount Vertical piece 2F using T-bolt.



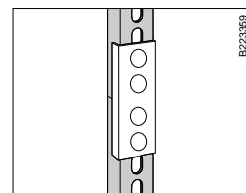
In ceilings with trapezoidal sheeting, mount Vertical piece 2F as shown above.



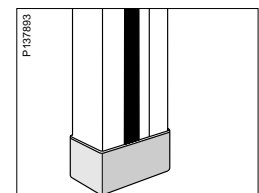
On beams in ceilings, mount Vertical piece 2F as shown in the figure above. When the beam flange thickness does not exceed 13 mm, use Beam clamp 5BK-10 and T-bolt 26F/40. For flange thicknesses not exceeding 30 mm use Beam clamp 5BK-30 and T-bolt 26F/50.



Cantilever arm 50i is mounted on Vertical piece 2F with T-bolt 26F.

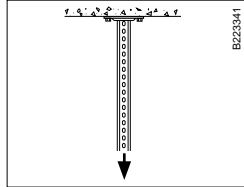


Vertical piece 2F can be joined to achieve the required length using Pendant/fixing rail 24/48 and Pendant joint 2FJ.



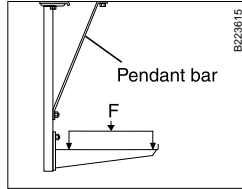
High visibility end plug for enhanced safety and to provide protection against personal injury.

Breaking load VP 2F symmetrical loading*



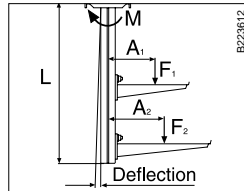
Breaking load for Vertical piece 2F (VP) = 2300 kg (23 kN) at symmetrical loading.

VP + Pendant bar for reduction of deflection

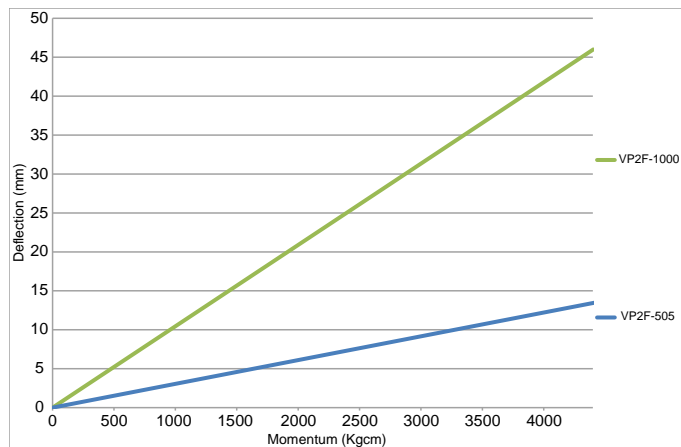


Deflection of Vertical piece 2F is reduced by installing Pendant bar 1. Loadings in accordance with chart below.

Breaking load asymmetrical loading



$M = \sum F \times A$
See also max loading for Cantilever arm 50i.



For values outside diagram please contact Schneider electric.

Example

- Conditions:
- 2 m support distance.
 - 10 kg/m ladder
 - Two Cantilever arm 50i, 200 and 300 mm
 - One-side loading
 - VP 2F/505
 - Bending?

$$M = \sum F \times A \text{ (kgcm)}$$

$$M = 10 \times 2 \times \frac{25}{2} + 10 \times 2 \times \frac{35}{2} + 2.6$$

$(F_1) \quad (A_1) \quad (F_2) \quad (A_2)$

M = 704 kgcm - bending as per diagram, about 2 mm.

- Bending torque M is total sum of $F \times A$ (kgcm).
 F = Cantilever arm 50i loading (kg)
 F = Loading (kg/m) x support distance (m).
 A = Distance between loading and VP external side (cm)
 $A = \frac{\text{Cantilever arm 50i width} + 2.6 \text{ cm}}{2}$
 L = VP length
 Break load torque 6 000 (kgcm)

Loading table for Vertical piece 2F installed as a cantilever arm

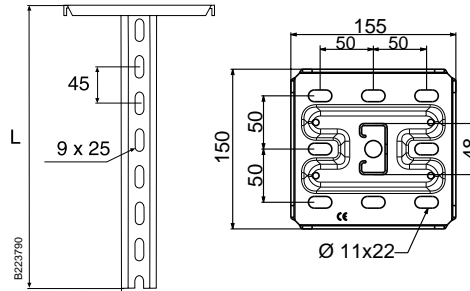
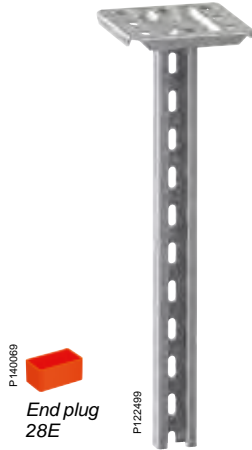
Vertical piece 2F with Pendant bar 1/500

Pendant type	2F/1000
Mesh tray width	Breaking load
120	75
220	80
320	90
422	100
622	120

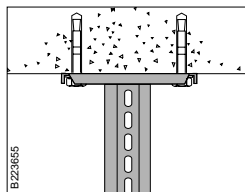
*Safe working load according to IEC 61537 is breaking load divided by 1,7.

Vertical piece 2FB

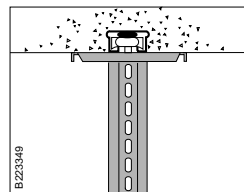
Vertical piece to be used for installation of cantilever arm 50/50i. Can be joined to Pendant/fixing rail 24/48 with Pendant joint 2FJ. Can be mounted from the ceiling or on the floor. Can also be mounted as a cantilever arm on a wall.



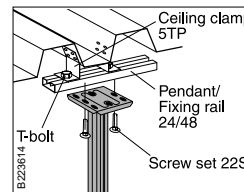
Type	L mm
Vertical piece 2FB/280	280
Vertical piece 2FB/505	505
Vertical piece 2FB/1000	1000



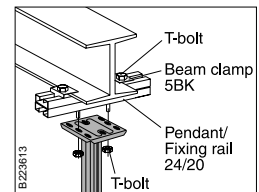
Mount Vertical piece 2FB using Expansion bolt.



On fixing rail for casting-in, mount Vertical piece 2FB using T-bolts.



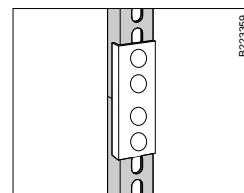
In ceilings with trapezoidal profile sheeting, mount Vertical piece 2FB as shown above.



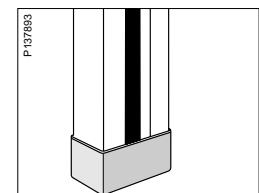
On beams in ceilings, mount Vertical piece 2FB as shown in the figure above. When the beam flange thickness does not exceed 13 mm, use Beam clamp 5BK-10 and T-bolt 26F/40. For flange thicknesses not exceeding 30 mm use Beam clamp 5BK-30 and T-bolt 26F/50.



Cantilever arm 50i is mounted on Vertical piece 2FB with T-bolt 26F.

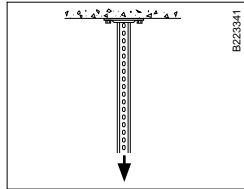


Vertical piece 2FB can be joined to achieve the required length using Pendant/ Fixing rail 24/48 and Pendant joint 2FJ.



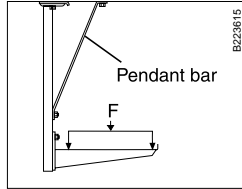
High visibility end plug for enhanced safety and to provide protection against personal injury.

Breaking load VP 2FB symmetrical loading*



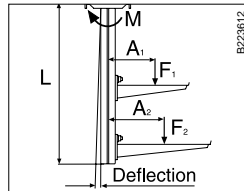
Breaking load for Vertical piece 2FB (VP) = 3000 kg (30 kN) at symmetrical loading.

VP + Pendant bar for reduction of deflection

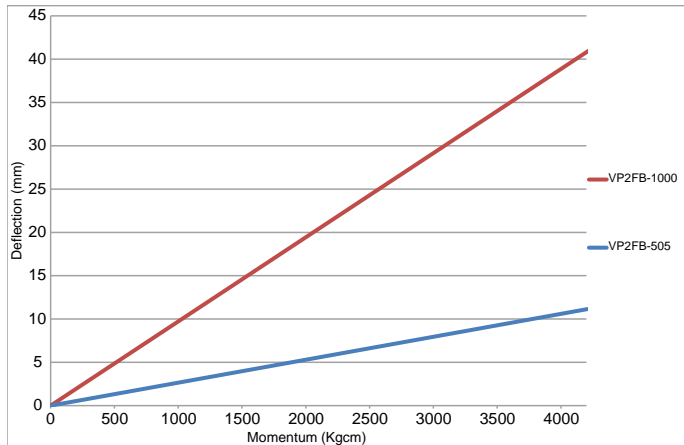


Deflection of Vertical piece 2FB is reduced by installing Pendant bar 1. Loadings in accordance with chart below.

Breaking load asymmetrical loading



$M = \sum F \times A$
See also max loading for Cantilever arm 50i.



For values outside diagram please contact Schneider electric.

Example

- Conditions:
- 2 m support distance.
 - 10 kg/m ladder
 - Two Cantilever arm 50i, 200 and 300 mm
 - One-side loading
 - VP 2FB/505
 - Bending?

$M = \sum F \times A$ (kgcm)

$$M = 10 \times 2 \times \frac{(25 + 2.6)}{2} + 10 \times 2 \times \frac{(35 + 2.6)}{2}$$

(F₁) (A₁) (F₂) (A₂)

M = 704 kgcm - bending as per diagram, about 2 mm.

Bending torque M is total sum of F x A (kgcm).

F = Cantilever arm 50i loading (kg)

F = Loading (kg/m) x support distance (m).

A = Distance between loading and VP external side (cm)

A = $\frac{\text{Cantilever arm 50i width} + 2.6 \text{ cm}}{2}$

L = VP length

Break load torque 7 000 (kgcm)

Loading table for Vertical piece 2FB installed as a cantilever arm

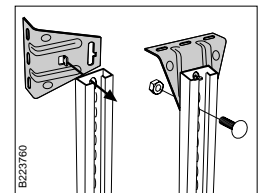
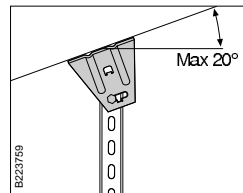
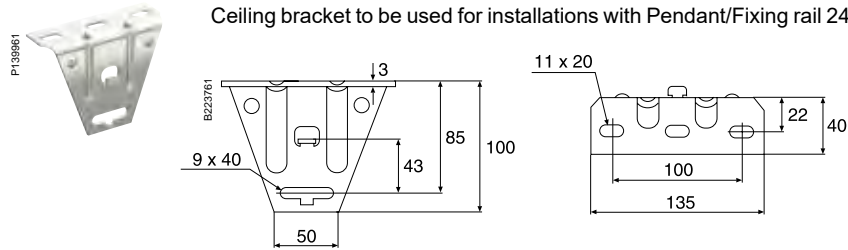
Vertical piece 2FB with Pendant bar 1/500

Pendant type	2FB/1000
Mesh tray width	Breaking load
120	75
220	80
320	90
422	100
622	120

*Safe working load according to IEC 61537 is breaking load divided by 1,7.

Ceiling bracket 5

Ceiling bracket to be used for installations with Pendant/Fixing rail 24/48.

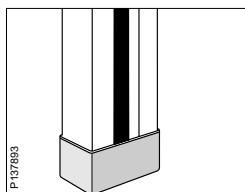
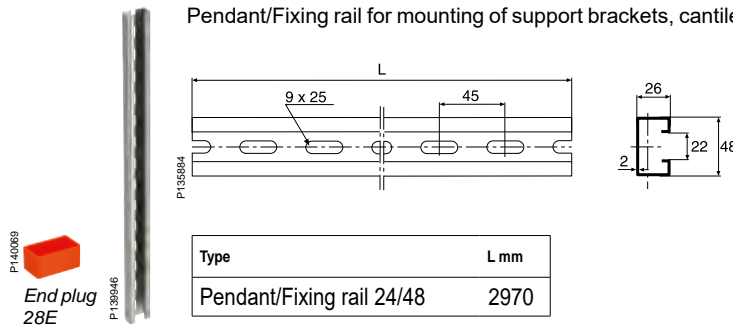


Using Pendant/Fixing rail 24/48, 1 Ceiling bracket 5 and 1 Screw set 22S it is possible to make a vertical piece that can be installed at an angle of up to 20°. Breaking load for rail 48 = 1200 kg (12 kN).

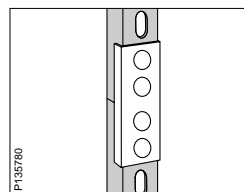
Mount Ceiling bracket 5 to the back of the pendant/fixing rail by turning the ceiling bracket 90° and inserting the tab into the hole in the rail. Then turn the ceiling bracket back and lock it in the required position using 1 Screw set 22S. When mounting it at a horizontal ceiling, lock the screw in the slot recess for better lateral stability. Ceiling bracket 5 can be tilted max. 20°.

Pendant/Fixing rail 24/48

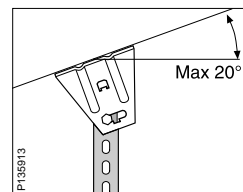
Pendant/Fixing rail for mounting of support brackets, cantilever arms, etc.



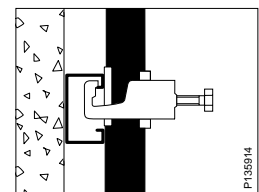
High visibility end plug for enhanced safety and to provide protection against personal injury.



Vertical piece 2F/2FB may be joined using Pendant/Fixing rail 24/48 and Pendant joint 2FJ to achieve the required length.



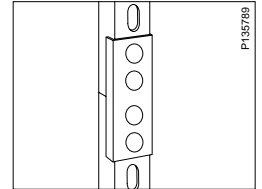
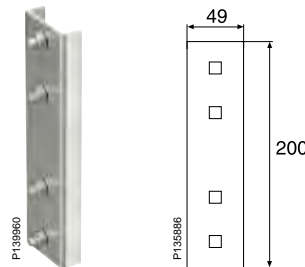
Ceiling bracket 5 and 1 Screw set 22S together provide a vertical piece that can be mounted with up to 20° slope. Only for mounting support brackets.



Cables are mounted on a Pendant/Fixing rail 24/48 using cable clamps of type A.

Pendant joint 2FJ

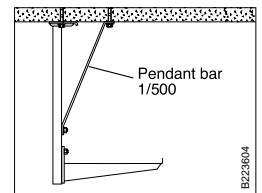
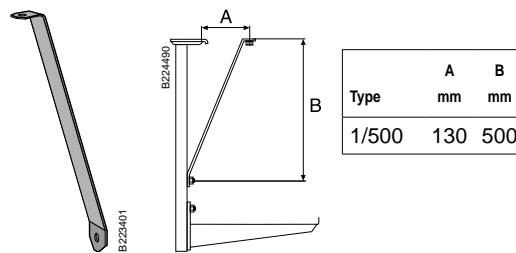
Pendant joint to be used for joining pendant/fixing rails and vertical pieces.



Pendant joint 2FJ, used for joining of Vertical piece 2F/2FB and Pendant/Fixing rail 24/48.

Pendant bar 1-500

Pendant bar to be installed in order to reduce the deflection of heavily loaded vertical pieces. Installed with T-bolt and Expansion bolt.



To reduce deflection of Vertical piece 2F/2FB at heavy loads on cantilever arms the Pendant bar 1 can be used. Install with T-bolt and Expansion bolt.

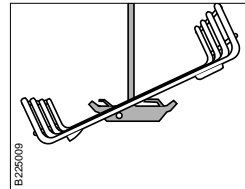
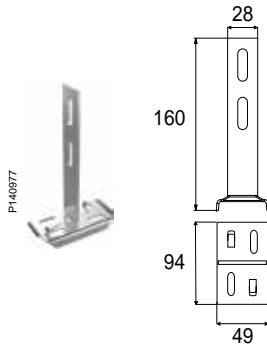


Screw set 22S

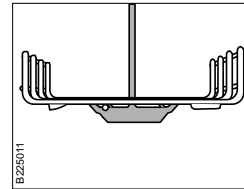
Screw set to be used for installation of Support hook D35 on Vertical piece 2F/2FB and Support hook D35 and Ceiling bracket 5 on Pendant/fixing rail 24/48. Set including screw MVBF 8x16 and nut M6MF8.

Support Hook D35/120-220

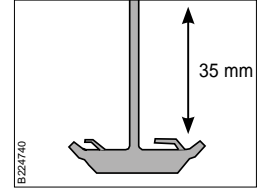
Support hook for 120-220 mm Mesh tray.



Mounted from below with angled movement.



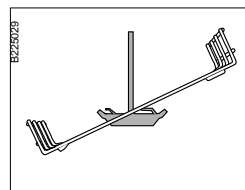
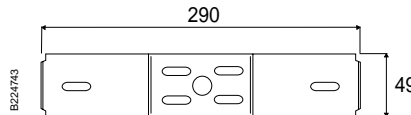
Mesh tray is mounted by closing the D35 grips.



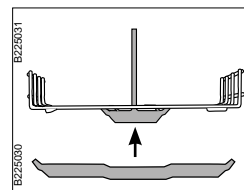
Adjustable 35 mm with Pendant 2, 2F, 2FB and Fixing rail 24/34 and 24/48.

Support Hook D35/320-422

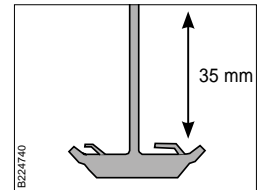
Support hook for 320-422 mm Mesh tray.



Mounted from below with angled movement and with closing of the D35 grips around the wires.



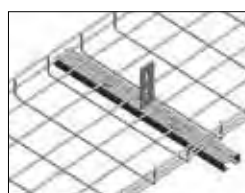
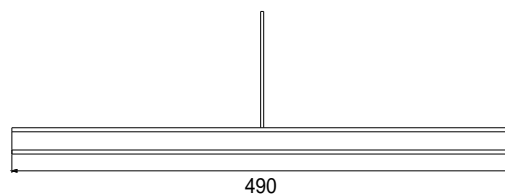
Mount the lower part of the support hook with 2 Bolt and Nut B13



Adjustable 35 mm with Pendant 2, 2F, 2FB and Fixing rail 24/34 and 24/48.

Support Hook D35/522-622

Reinforced support hook for 522-622 mm Mesh tray.



Mount the lower part of the Support Hook with 2 Fitting B2 and 2 Bolt and Nut B13. Screw set 22S is used for installation of Support hook D35 on Vertical piece 2, 2F/2FB and Pendant/fixing rail 24/34 and 24/48.

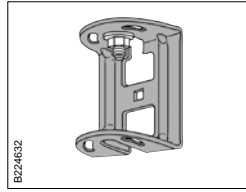
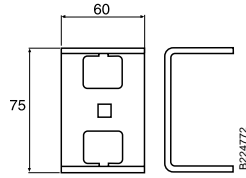
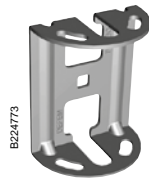
Breaking load

Type of D35	kN	kg
D35/120-220	1.7	170
D35/320-422	2.5	170
D35/422-622	3.4	340

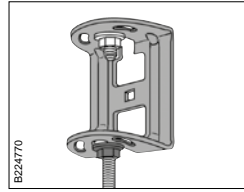
*Safe working load according to IEC 61537 is breaking load divided by 1,7.

Ceiling Fitting Universal B46

For mounting of Threaded Rod B41 onto ceiling.



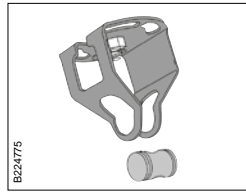
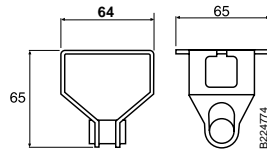
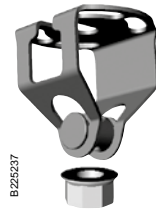
Mount the Ceiling Fitting B46 with Expansion bolt or bolt onto horizontal ceiling.



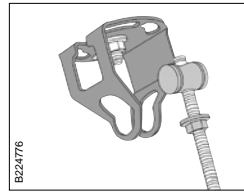
Threaded Rod B41 M8 or M10 is mounted as pendant with 2 Flange Nut B43.

Ceiling Fitting Flexible B47

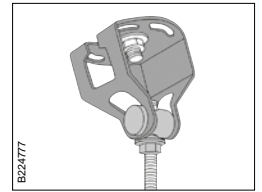
Adjusts to inclination of ceiling. Delivered complete with Tensi-lock Flange Nut.



Mount the Ceiling Fitting B47 with Expansion bolt or bolt onto level or sloping ceiling.



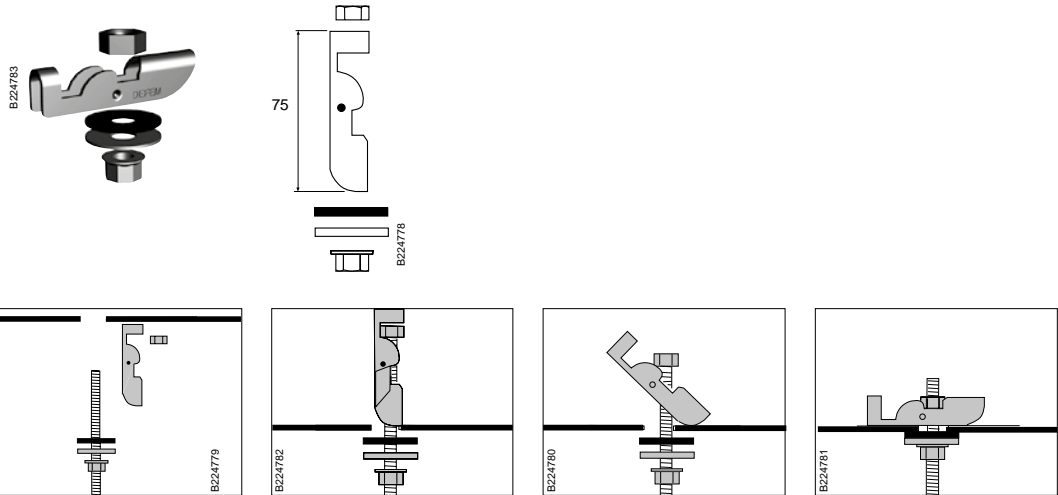
Screw in the yoke and the Tensi-lock nut onto the Threaded Rod B41.



Hook the Threaded Rod onto the B47 and tighten the Nut.

Ceiling Clamp B48

For hole Ø 22 mm. Delivered complete with Tensi-lock Nut and washers.



Drill a Ø 22 mm hole in the ceiling metal.

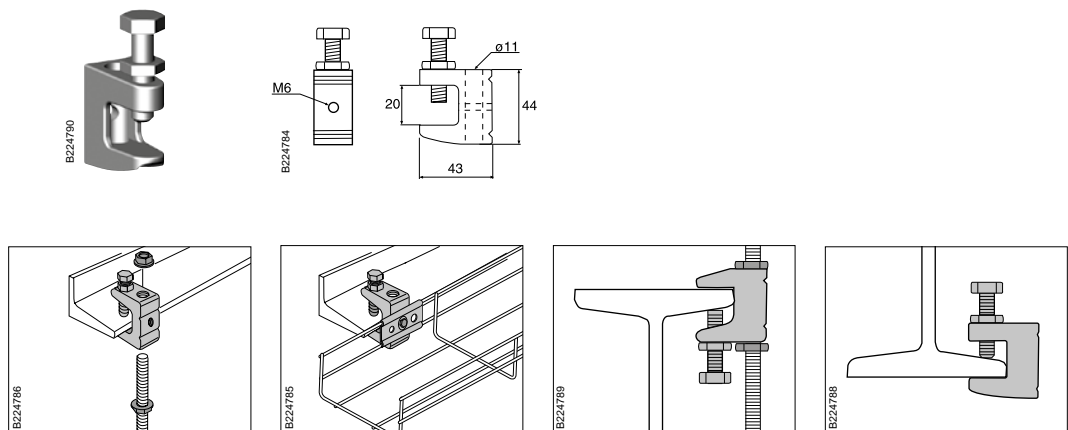
Assemble and mount the Ceiling clamp.

Pull down.

Close with the rod nut.

Beam Clamp B49

For mounting onto beam.



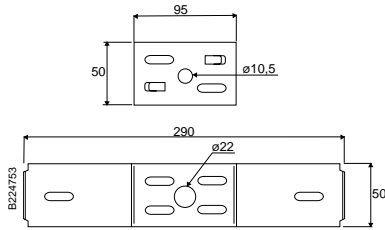
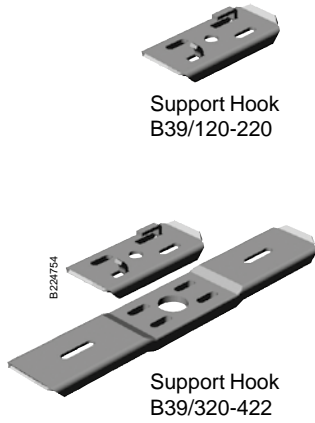
For mounting of Threaded Rod B41 with Flange Nut B43/ M8 – M10.

Mesh tray 53 – 120 mm can be mounted directly onto Beam Clamp B49 with Fitting B1 and M6 bolt.

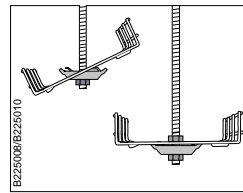
Mount the Beam Clamp with the locking bolt against the sloping side of the beam.

Support Hook B39 120-220 and 320-422

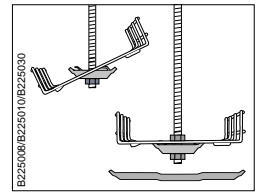
Support Hook for mounting onto Threaded Rod.



Support Hook B39 is used together with Threaded Rod B41 as pendant. Mounted with 2 Flange Nut B43.



Support Hook B39/120-220. Mesh tray is mounted from below angled movement and by closing the grips of the B39 around the wires.

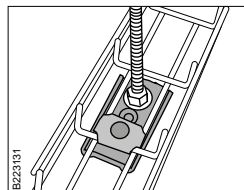


Mount the lower part of B39/320-422, after mounting the Mesh tray, with 2 Bolt and Nut B13.

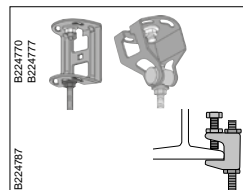
Threaded Rod B41 and Thread Lock B50



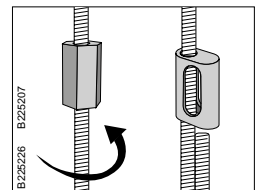
Threaded Rod B41 is mounted onto Support Hook B39 with 2 pcs Flange Nut B43.



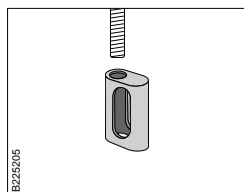
For Mesh tray 53 and 75, the Fitting B1 can be used as support hook Mounting with 1 Fitting B1, 1 Fitting B2, 1 Bolt and Nut B13 and two Flange Nut B43.



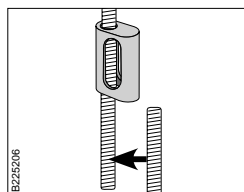
For ceiling mounting, use Ceiling Fittings B46, B47, B48 or B49.



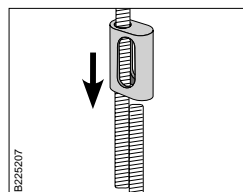
The Threaded Rod is extended by using Distance Nut B42 or Thread Lock B50 as joining fitting.



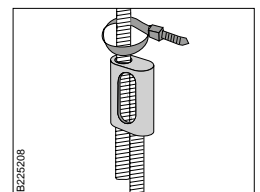
Put the Thread Lock B50 in the desired position onto the upper Rod.



Put the lower Rod in contact with the upper Rod.

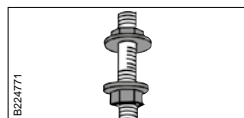
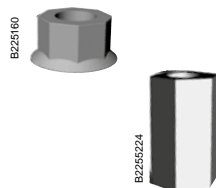


Lower the Thread Lock B50 onto both rods, now in locked position.

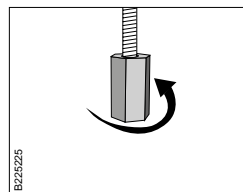


Put a cable stripe above the upper Thread Lock as safety lock.

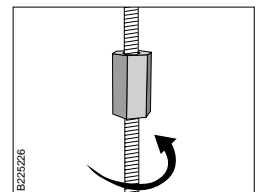
Flange Nut B43, M8/M10 and Distance Nut B42



Flange Nut B43 is mounted onto Threaded Rod B41 in order to lock it to the Support Hook and the Ceiling Fittings.



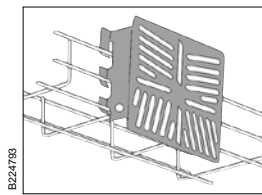
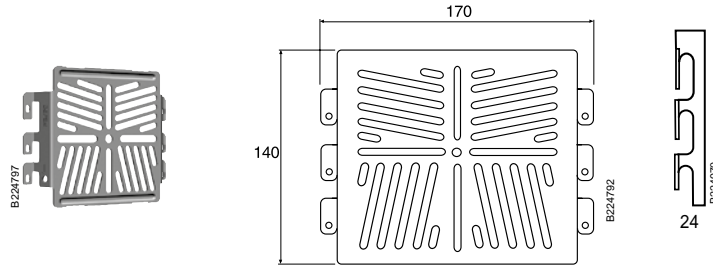
Screw in the Distance Nut on the upper Threaded Rod to the middle.



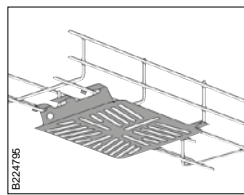
Screw in the lower Threaded Rod into the Distance Nut and tighten.

Accessories Holder B5 Mini

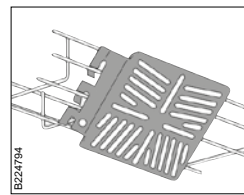
Fits to all Mesh trays.



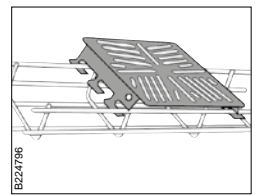
Accessories Holder B5 Mini is easily mounted directly on the side of the mesh tray.



Accessories Holder B5 Mini is mounted equally easy to the bottom of the mesh tray.



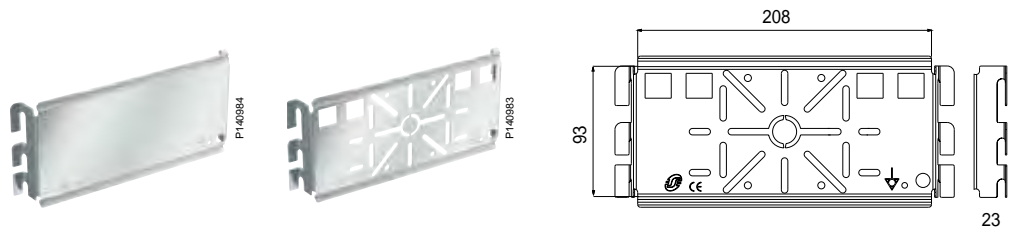
Accessories Holder B5 Mini is also mounted in 45° angle onto the mesh tray.



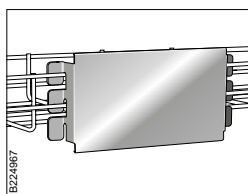
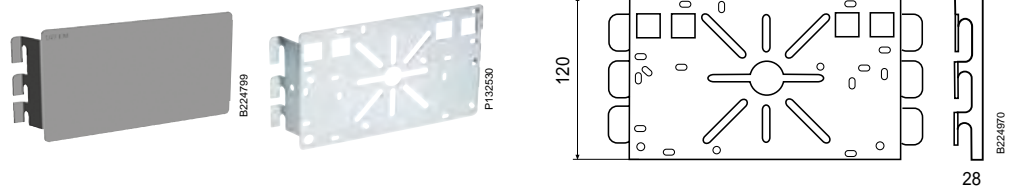
Accessories Holder B5 Mini can also be mounted on top of the 53 and 73 mesh trays.

Accessories Holder B5

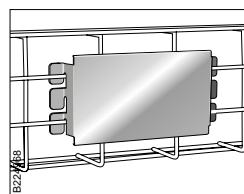
For Electro-galvanized and Hot-dip galvanized



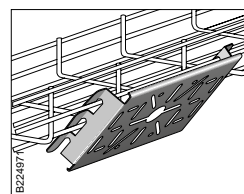
For AISI 316L



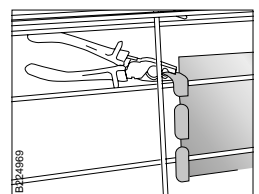
Accessories Holder B5 is easily mounted directly on the side of the mesh tray.



Accessories Holder B5 is mounted equally easy to the bottom of the mesh tray.

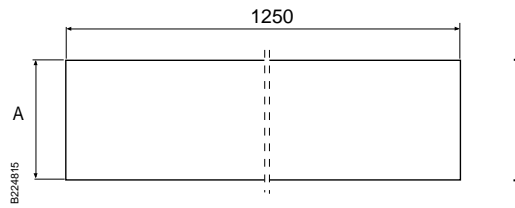


Accessories Holder B5 is also mounted in 45° angle onto the mesh tray.



Accessories Holder B5 is tightened to the mesh tray by closing the grips around the wires.

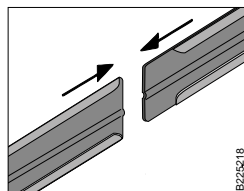
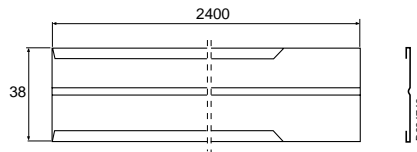
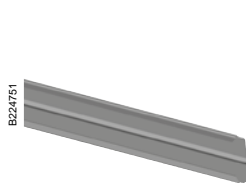
Plate Cover B7



	For tray width mm	A mm
Plate Cover B7/75	75	80
Plate Cover B7/120	120	125
Plate Cover B7/220	220	226
Plate Cover B7/320	320	326
Plate Cover B7/422	422	426

Plate Cover B7 has a built-in clip function for quicker mounting. No cover clips are needed when installing the covers.

Separating Plate B36



Simple joining by gliding Plates into each other.

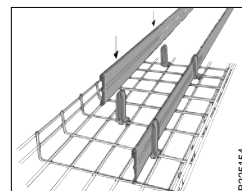
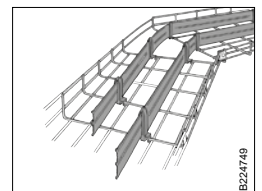


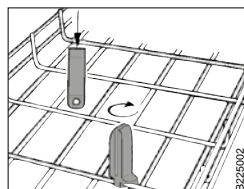
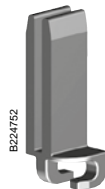
Plate Holder B38 is used for mounting of Separating Plate B36 onto Mesh tray.



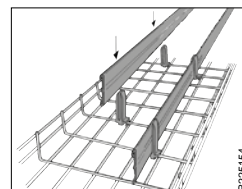
The Separating Plate B36 can be shaped to follow the horizontal bends of the mesh tray.

Plate Holder B38

Used for mounting of Separating Plate B36, 5 pcs/Separating Plate.

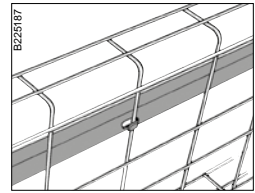
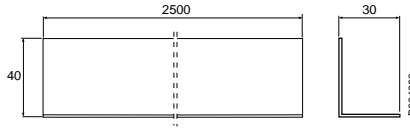
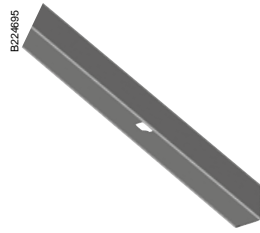


The Plate Holder is easily turned into fixed position on the mesh tray.



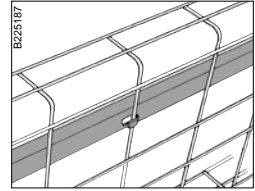
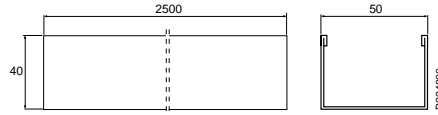
Separating Plate B36 is snapped into the Plate Holder.

Separating Plate B26



Use the grips of the Separating Plate B26 to attach to the cross wires of the Mesh tray.

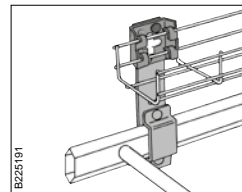
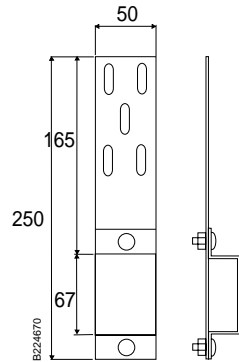
Tele-Channel B6



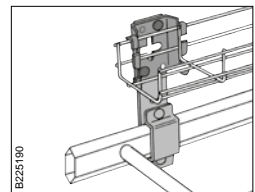
Use the grips of the B6 Tele-channel to attach to the cross wires of the Mesh tray.

Combi Fitting B21

For mounting onto Wibe Cable Ladders.



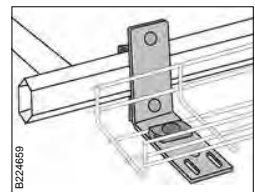
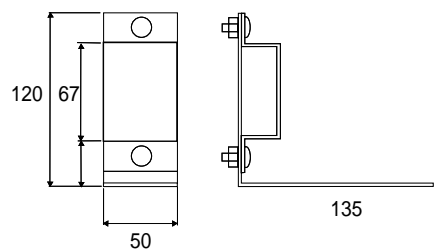
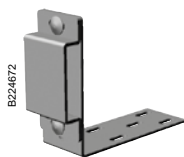
Mesh tray 53 and 75 is mounted onto Combi Fitting B21 with Bracket B4 mini Bolt and Nut B13.



Mesh tray 120 is mounted onto Combi Fitting B21 with Bracket B4 Bolt and Nut B13.

Combi Fitting B21 90 degree

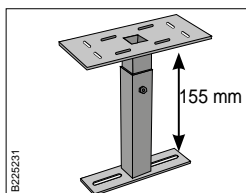
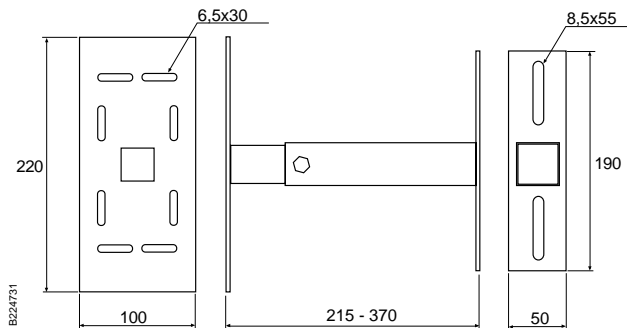
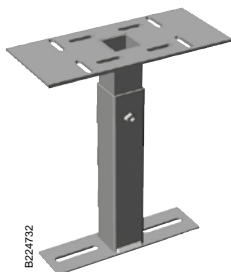
For mounting onto Wibe Cable Ladders.



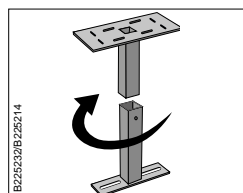
Mesh tray 53, 75 and 120 is mounted onto Combi Fitting B21 90° with 1 Fitting B2,1 Bolt and Nut B13.

Support B33

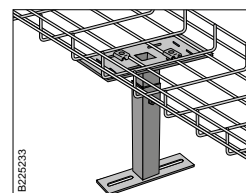
For mounting of all Mesh trays on floor, for example under raised floor.



B33 Support is adjustable in height from 215 to 370 mm.



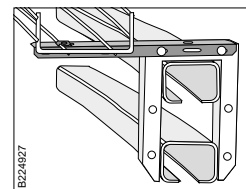
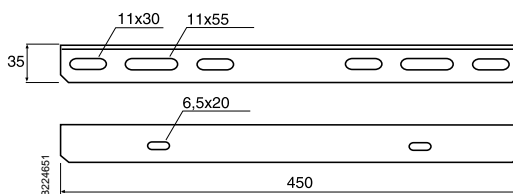
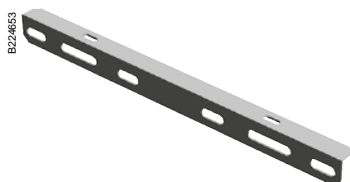
Upper or lower part can be adjusted in 90° angle.



Mesh tray is mounted with suitable number of Fitting B2, Bolt and Nut B13.

Conveyor Bracket B17

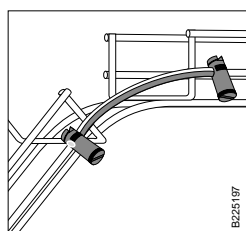
Universal fitting for mounting of mesh trays along conveyor system.



The Mesh tray is mounted onto the Conveyor Bracket with 1 Fitting B2, 1 Bolt and Nut B13.

Earth Connection Clamp B18

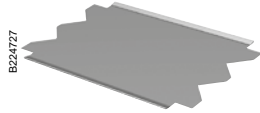
For mounting of earth cable onto chosen wire in the Mesh tray.



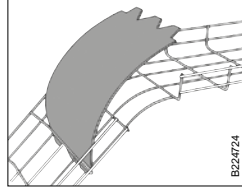
Earth connection clamp B18 is mounted to connect earth cable to mesh tray.

Bend Plate B31

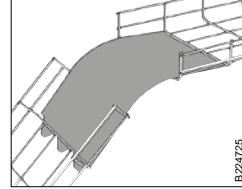
For smooth cable bend at change of level.



B224727



B224724



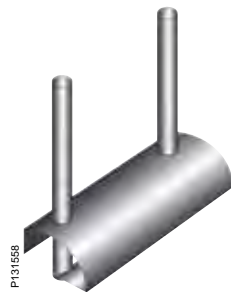
B224725

Attach the Bend Plate ends into the lower part of the Mesh tray.

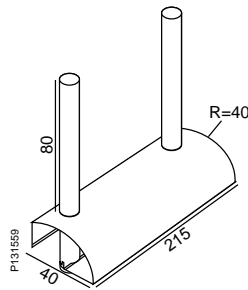
Attach the Bend Plate into the upper part of the Mesh tray.

Side Radius Limiter B11

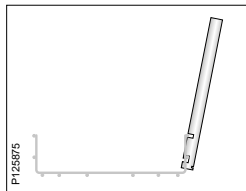
Used for limiting side bend radius of any cable type.



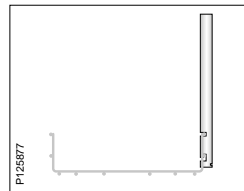
P191568



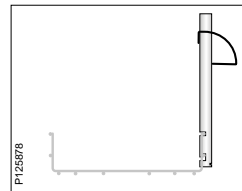
P191569



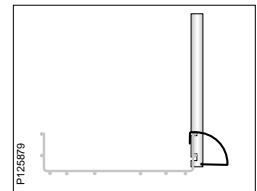
P125875



P125877



P125878



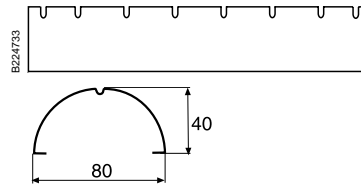
P125879

Radius Limiter B34

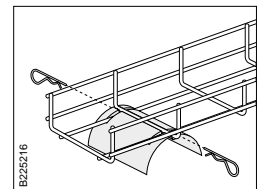
Limits the bend radius for sensitive cables.



B224734



B224733



B225216

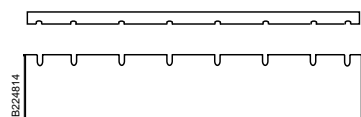
The radius limiter is mounted from below with the locking pins.

Radius Limiter B67 and Cover B68

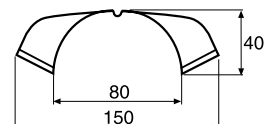
Limits the bend radius and gives protection at side position. Cover B68 is used for protection of cables < 2 mm.



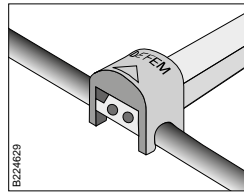
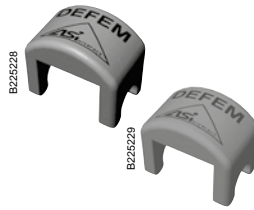
B225417



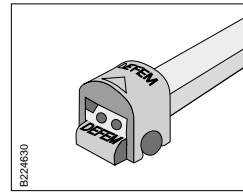
B224814



AS-I Clips B14

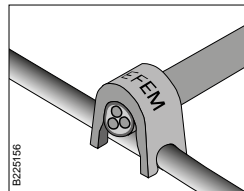


For fixing of AS-I cable.
Blue for 4 mm wire, grey for 5 mm wire.

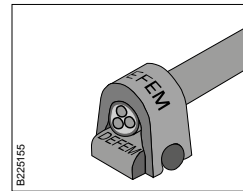


Grey clips are also used for mounting onto Fixing Plate B15.

Cable Clips B16

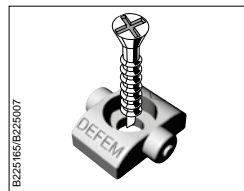


For mounting of cable or hose, Ø 6, 8 or 10 mm, onto 5 mm tray wire.

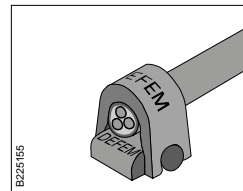


Also used for mounting of cable or hose onto Fixing Plate B15.

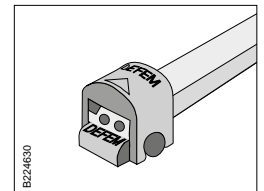
Fixing Plate B15



For mounting of cable or hose onto, for example, machines. Mounted with suitable screw.

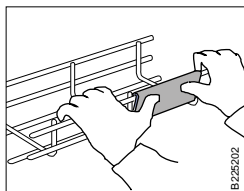


The cable is mounted with Cable Clips B16 onto Fixing Plate B15.



The AS-I cable is mounted with B14 AS-I Clip onto Fixing Plate B15.

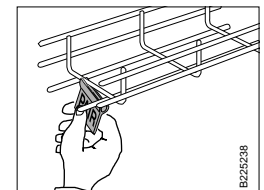
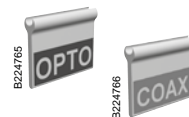
Marking Clip B44



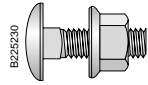
The Marking Clip is snapped onto the two side wires.

Identification Tag B40

Fits to wire Ø 5mm.



The Identification Tag is snapped onto the mesh tray.



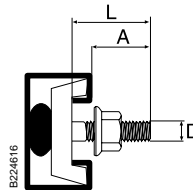
Bolt and nut B13

M6x25. Tensi-Lock and Flange Nut M6. Used for mesh tray installations with support hooks and fittings intended for joining, fixation etc.



T-bolt 26F

To be used for the mounting of Cantilever arm 50i and 50 on Vertical piece 2F, 2FB and Pendant/Fixing rail 24/48.



Type	L mm	A mm
M8	30	24



Screw set 20S

Screw set to be used for double sided mounting of Cantilever arms on Vertical piece 2F/2FB or Pendant/fixing rail 24/48. Set including screw MVBF 8x60 and nut M6MF8. Part no. 715736



Screw set 22S

Screw set to be used for installation of Support hook D35 on Vertical piece 2F/2FB and Support hook D35 and Ceiling bracket 5 on Pendant/fixing rail 24/48. Set including screw MVBF 8x16 and nut M6MF8.

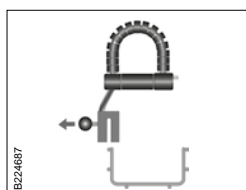
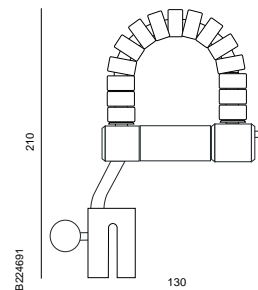


Screw set 25S

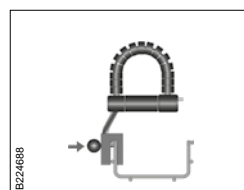
To be used for mounting of cantilever arms and Pendant/Fixing rail 24/48 on wall support. The screw set (screw MVBF 8x25 and nut M6MF8) fits all cantilever arms in the assortment. Material: Steel, hot-dip galvanized.

Cable Roller B25

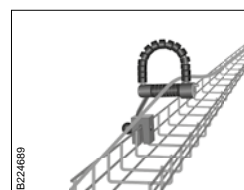
Facilitates the pulling of cables into the mesh trays.



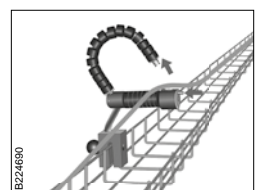
Pull the black knob outwards, place the cable roller onto the mesh tray.



Release the black knob and the cable roller is securely mounted on the mesh tray.



Simply pull the cable through the cable roller to the desired distance.



Push the small metal button to open the cable roller and place the cable in the tray.

Installation ties

Rapstrap range



P140262

Description

Rapstrap is a smooth and flexible installation tie that can loop and weave into a multitude of configurations.

All parts of Rapstrap can be used, just tie, cut off the remaining front part and use again. The unique design also allows Rapstrap to be easily released and re-used somewhere else. For longer lengths, Rapstrap can be joined together.

Rapstrap is made of flexible polymer and can stretch up to 50%. Yet it ties securely without harming any sensitive surfaces.

Benefits

- Re-usable - reduces waste
- Releasable - thousands of uses
- Soft and flexible - perfect for securing bundles
- Controlled tension - semi-elasticated
- Different bundles - same strip
- No sharp edges - safer use
- Halogen free



P138975

Material data

Material	Custom polyurethane elastomer
Colours	<ul style="list-style-type: none"> • Neutral • Black

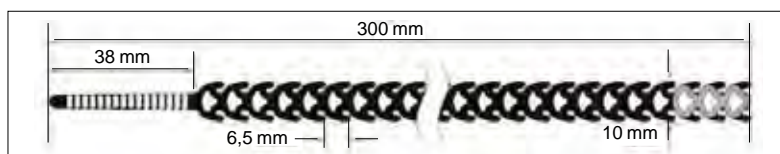
Operative data

Properties	Maximum bundle size	>80 mm
	Minimum bundle size	<5 mm
	Recommended max. loading looped	10 kg

Thermal properties	Low temperature brittle point	-68°C
	Tested to -6°C with no loss of flexibility	
	Operating temp. with no load	-20°C till +60°C

Flame properties	UL94 class HB
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UV-stabilization The black installation tie is UV resistant. Concerning the neutral installation tie, some loss of physical properties and discoloration may occur with prolonged exposure.

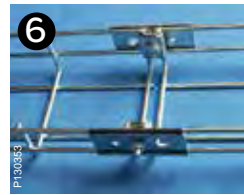


P140261

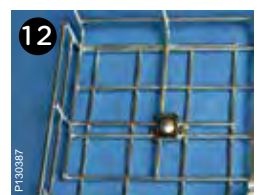
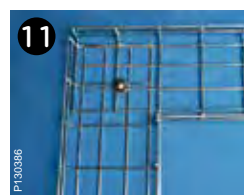
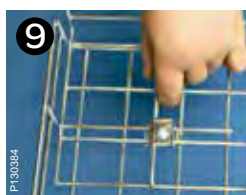
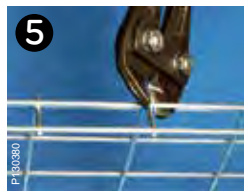


P138903

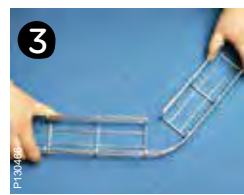
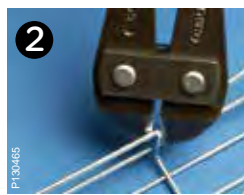
Connection of two trays / B1, B2, B13 alt B52



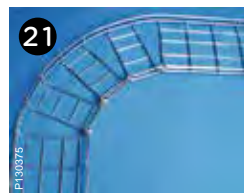
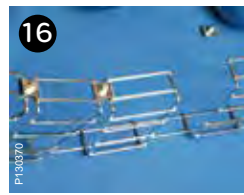
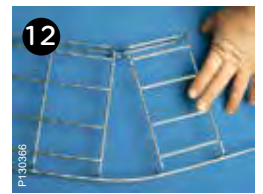
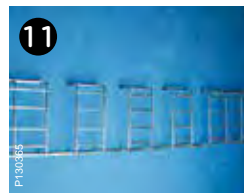
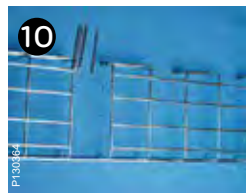
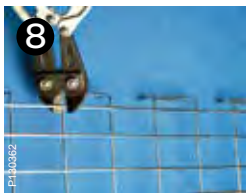
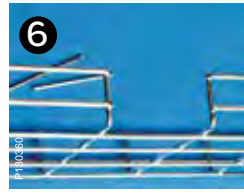
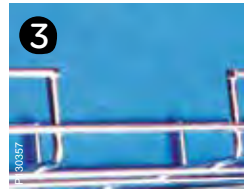
90 degree flat bends / B2



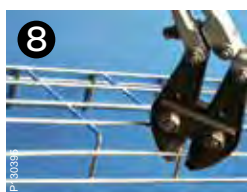
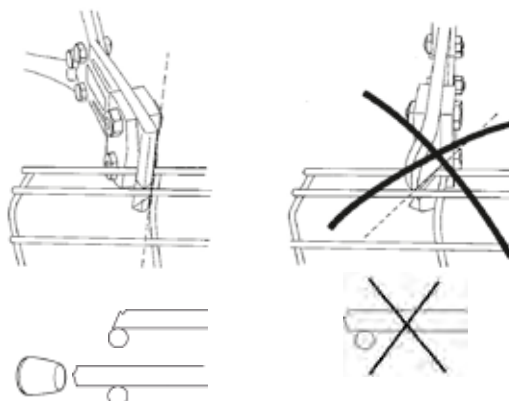
Angled flat bends / B27, B2, B13



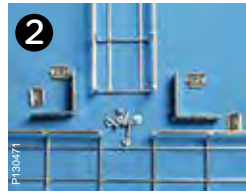
Large radius flat bends / B3



T-junction 90 degree / B3



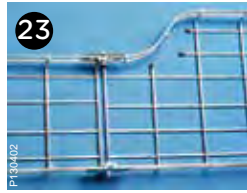
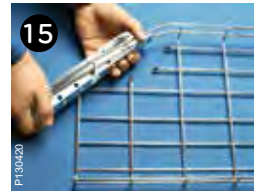
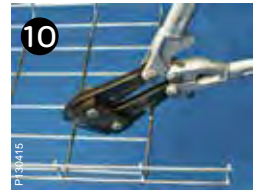
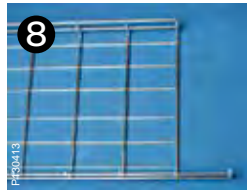
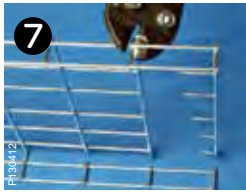
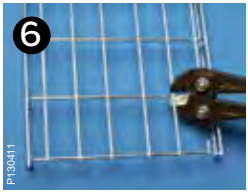
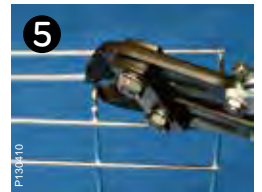
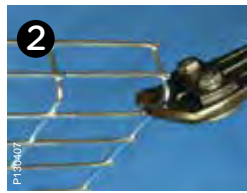
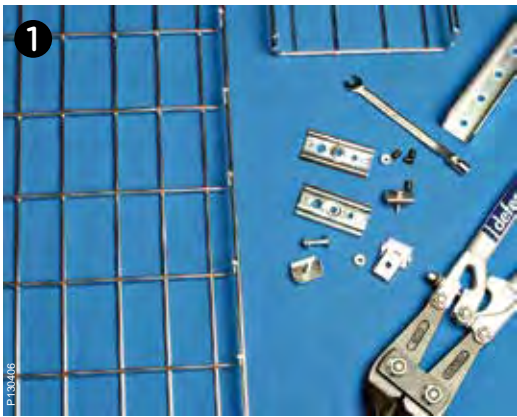
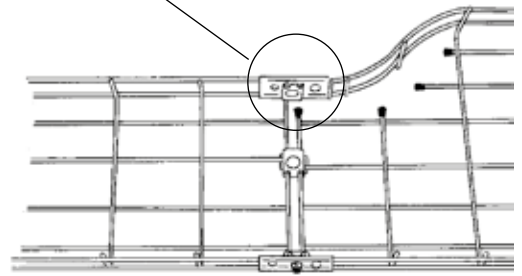
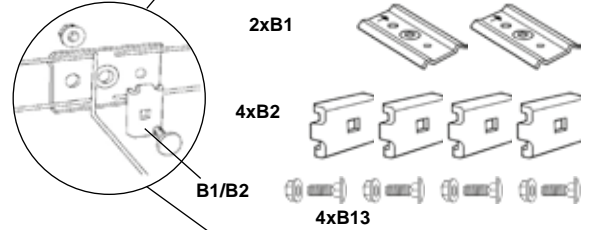
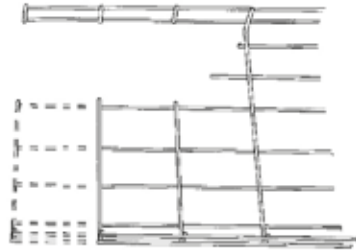
T-junction 90 degree / B27, B2, B13



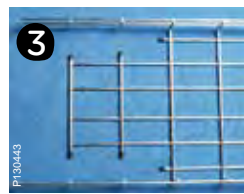
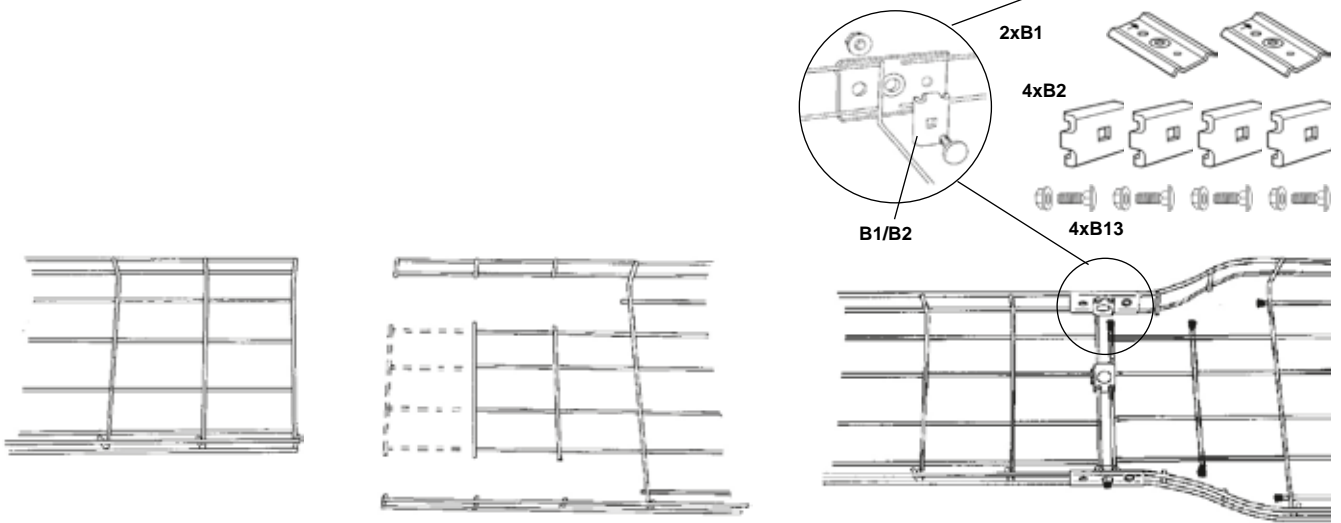
T-junction various angles / B27, B2, B13



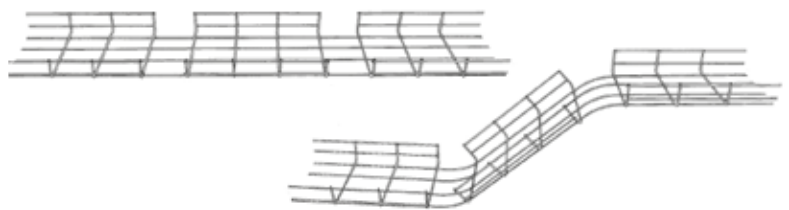
Reducer / B1, B2, B13 alt B52



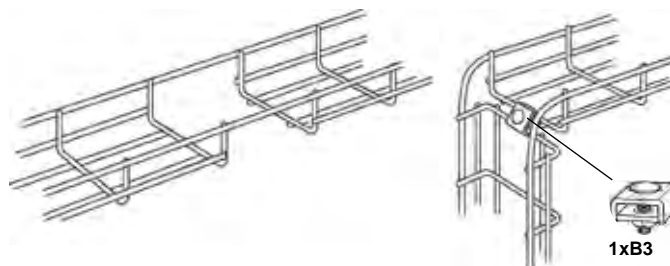
Symmetric reducer / B1, B2, B13 alt B52



Raisers

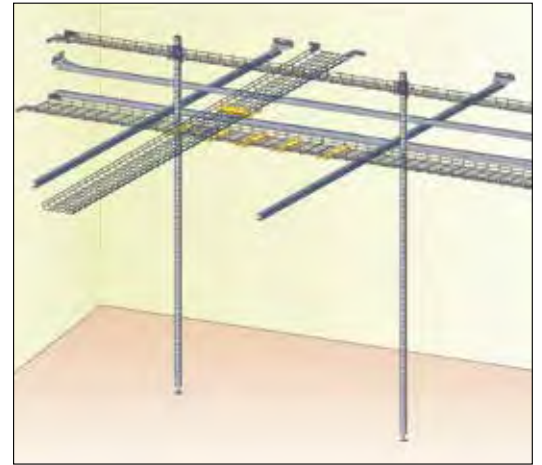
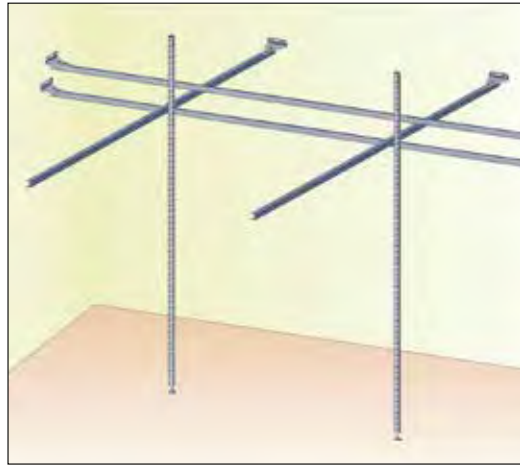


Making an external corner / B3



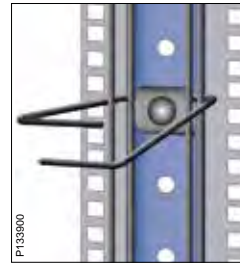
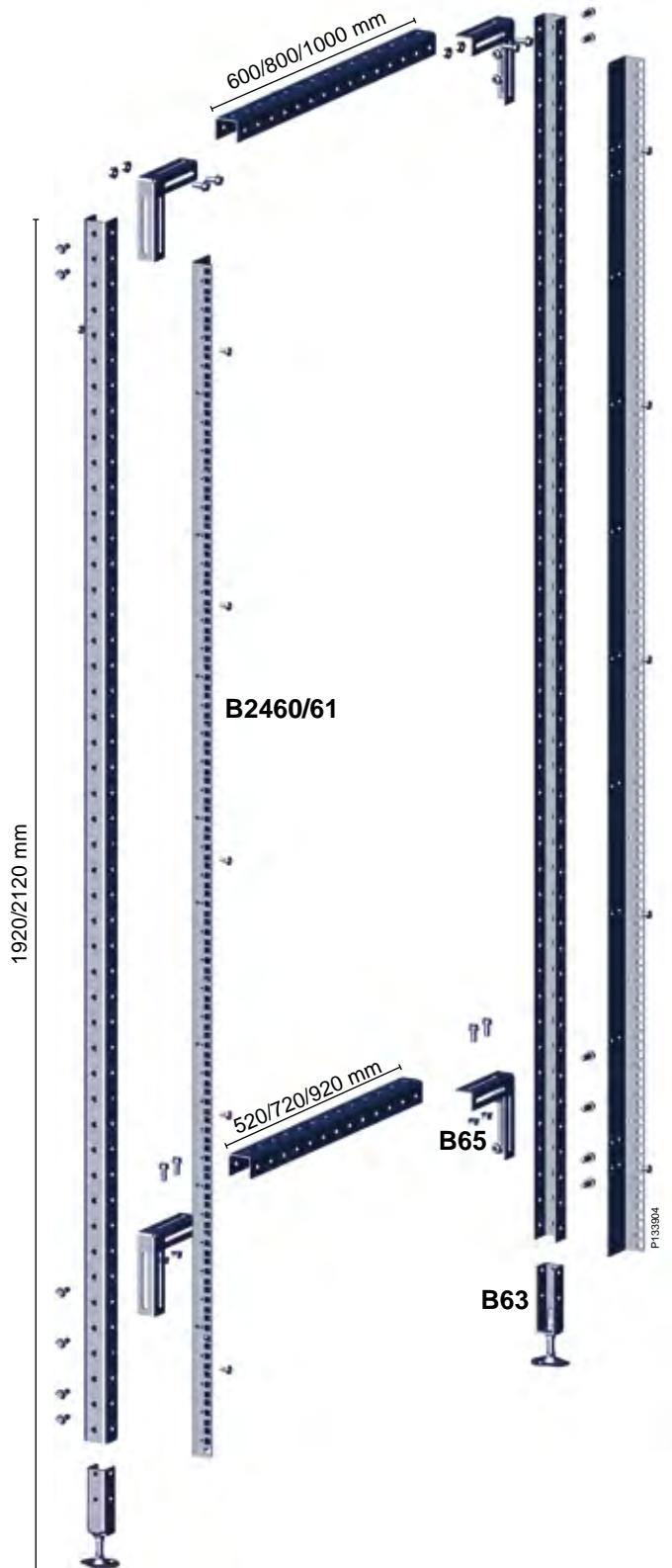


- Simple installation
- Simple maintenance
- Full visibility and access
- Continuous Bonding



With the Level 1 U-bar at 2120 mm, this allows for multiple choices of cabinets or open CombiRack frames.

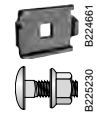
The use of U-profile



B2468

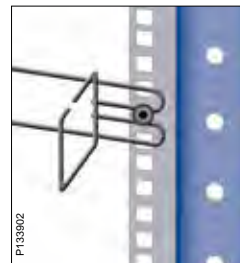
+ 2xB2

+ 2xB13



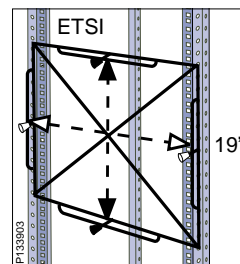
B2580

+ 8xB2490



B2469

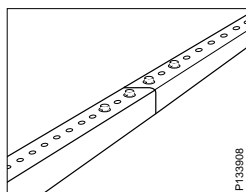
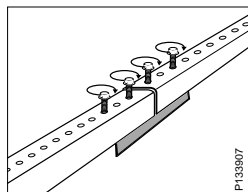
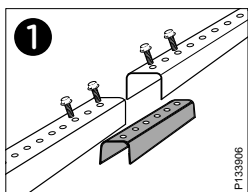
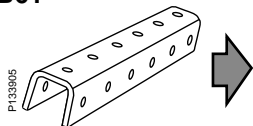
+ 2xB2490



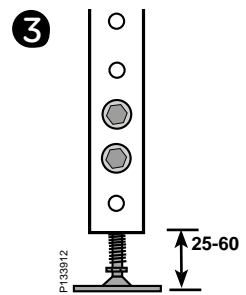
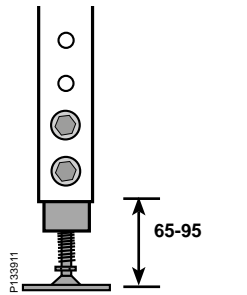
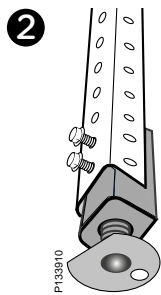
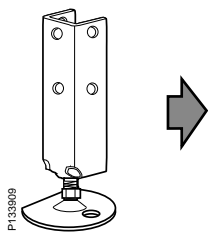
B2590

The use of U-profile

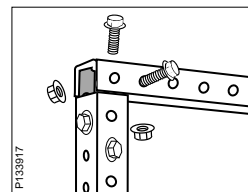
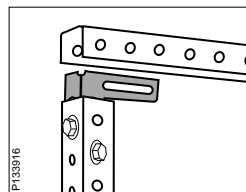
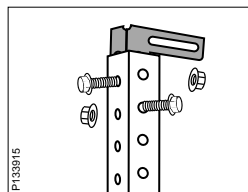
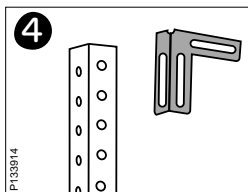
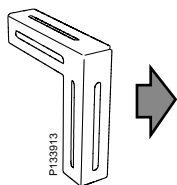
B61



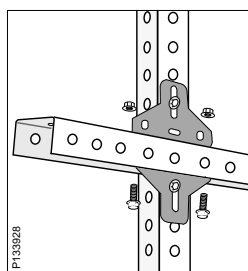
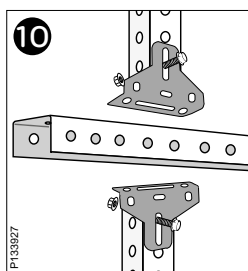
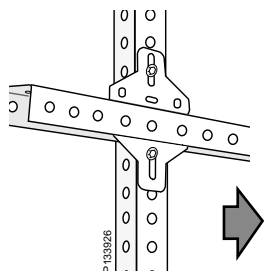
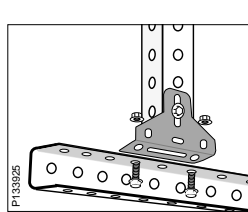
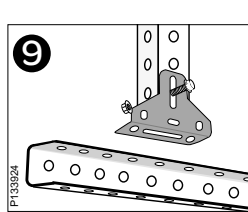
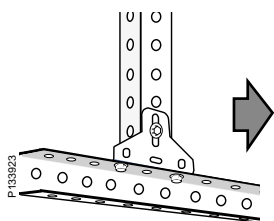
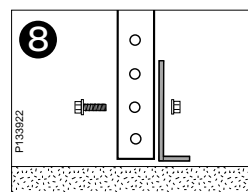
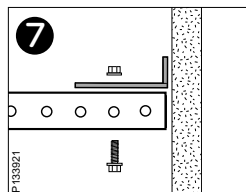
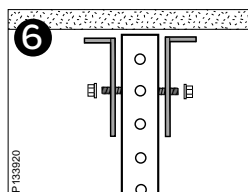
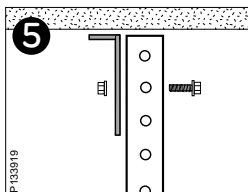
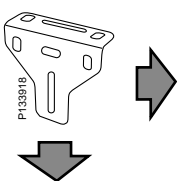
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