

# List of Contents

## Cable ladders

are universally useful on horizontal and vertical axes. They are designed and optimised for cable routing where particular attention has been paid to the following characteristics:

- quick and easy installation
- high bearing strength
- few accessories
- the contact surface on rungs is designed for cables
- maximum protection depth for cables.

MP-cable ladders are available in three models.

### MP-S in 3 and 6 m lengths.

The 3 metre ladder offers easy handling, especially in confined spaces, for example, offices, shops, schools etc. The 6 metre ladder is ideal where the length can be utilised for faster installation.

**MP-LS in 3 and 6 m lengths.** is made of 0.7 mm material which is perfect for indoors.

The weight is approx 30% lower than traditional ladder, which gives advantages both during assembling as well for the environment, when the consumption of material is lower.

Corrosivity class max C2

**MP-TS, PZ, Z, Z4, PZ4** heavy ladders are manufactured in 6 m lengths, which ensure straightforward installation in e.g. industrial halls, large warehouses and the like.

**MP-FZ** is the sturdiest among MP-cable ladders. A reinforced heavy ladder in 6 m length for long cantilever arm spacing, but also a ladder that can withstand tough treatment.

Accessories are mainly common with other sub-systems such as ceiling pendants, angle brackets and fastening screws.

Selection of surface finish

Equipotential bonding

## Cable ladders



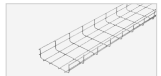
Cable ladders RF/SF



Cable trays/  
luminaire rails



Wire mesh trays



Profiles



MP-19" racks



Potential connection



Cable clamps



Ceiling brackets  
concrete screws



Service poles/posts



Floor boxes



Wall trunkings

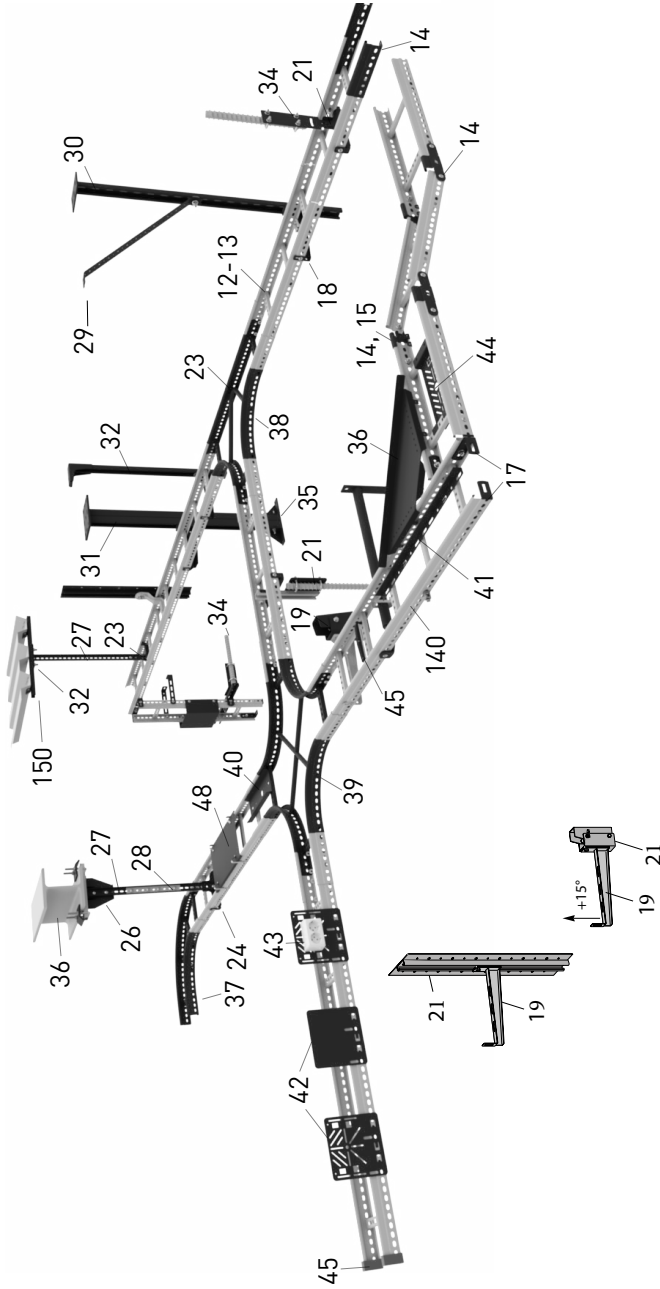


E-number, weight, package

# Cable ladders

## Ladder type MP-S, LS, TS, Z, PZ, Z4, PZ4

Numbers denote page number



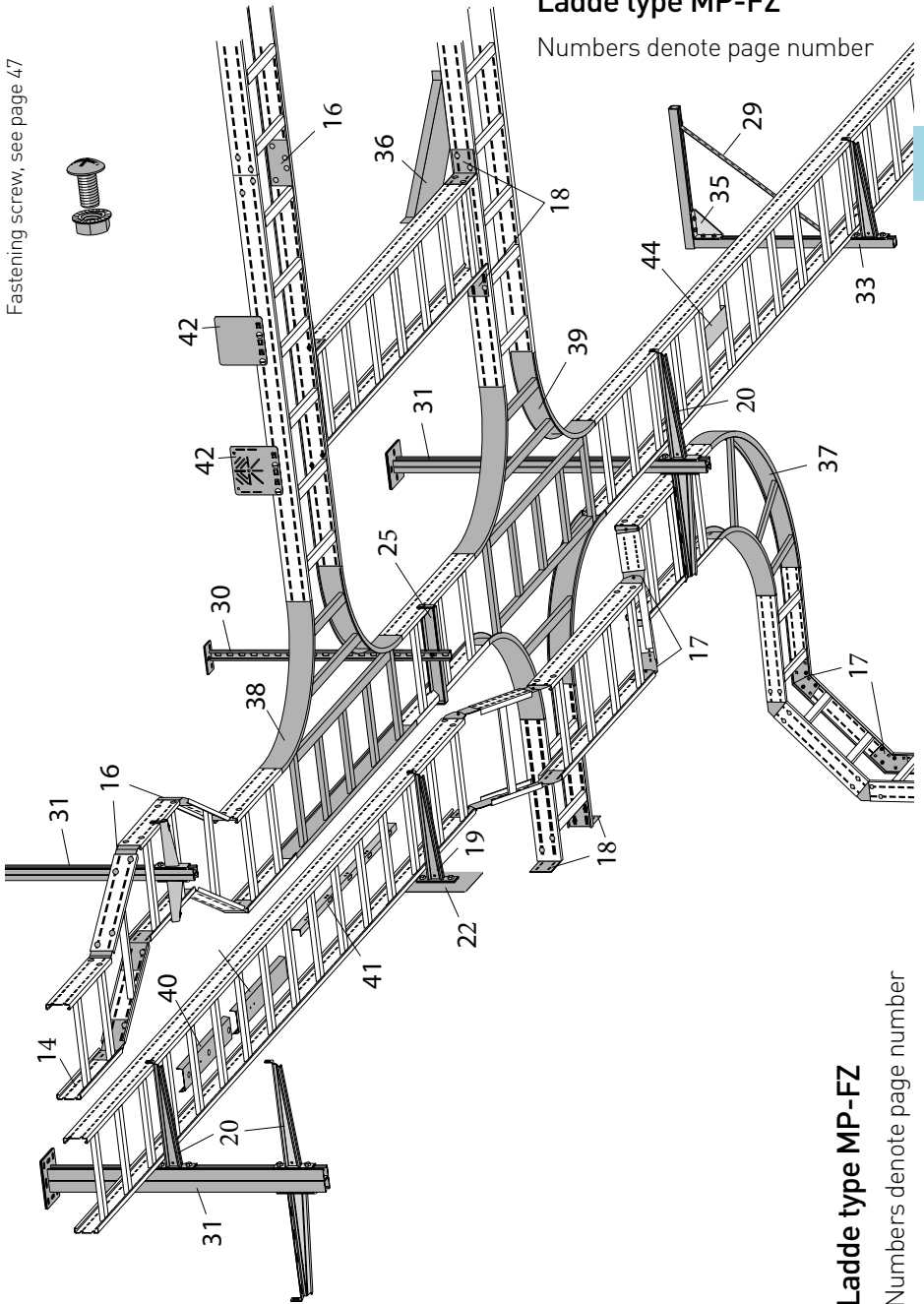
## Ladder type MP-S, LS, TS, Z, PZ, Z4, PZ4

Numbers denote page number

# Cable ladders

## Ladde type MP-FZ

Numbers denote page number



Fastening screw, see page 47

## Ladde type MP-FZ

Numbers denote page number

Cable ladder

# Cable ladders

## Cable ladders MP-S – 3 m and 6 m

Cable ladder with perforated rungs for environmental class maximum C2.

The second rung at each end is closed.

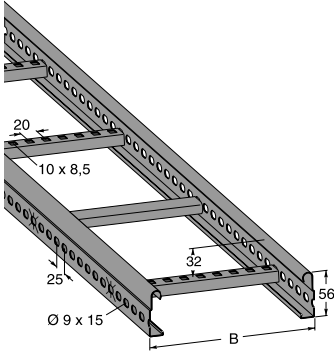
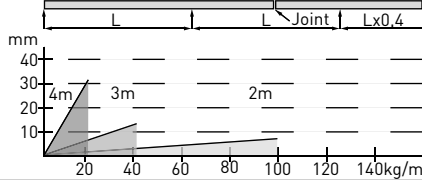
For information about surface finish, see page 4.

MP-art no ending with 6 means a 6-meter ladder.

Rung spacing: c-c 250 mm.

Ultimate failure load:  $\geq 1.7$  times the max. load.

Deflection in mm according to SS-EN 61537 test type II



B	Zinc 20 µm	E-no	Zinc 20 µm	E-no	White	E-no
200	MP-102 S	11 150 23	MP-102 S6	11 150 24	MP-102 V	11 150 25
300	MP-103 S	11 150 26	MP-103 S6	11 150 27	MP-103 V	11 150 28
400	MP-104 S	11 150 29	MP-104 S6	11 150 30	MP-104 V	11 150 31
500	MP-105 S	11 150 32	MP-105 S6	11 150 33	MP-105 V	11 150 34
600	MP-106 S	11 150 35	MP-106 S6	11 150 36	MP-106 V	11 150 42

## Cable ladder MP-LS – 3 m and 6 m

Cable ladder with perforated rungs for environmental class maximum C2

The second rung at each end is closed.

For information about surface finish, see page 4.

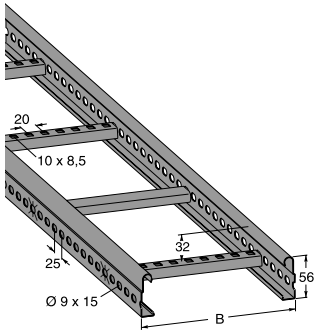
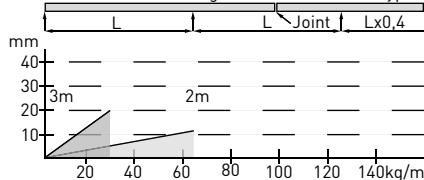
MP-art no ending with 6 means a 6-meter ladder.

Ladder length: 6 m.

Rung spacing: c-c 250 mm.

Ultimate failure load:  $\geq 1.7$  times the max. load.

Deflection in mm according to SS-EN 61537 test type II



B	Zinc 20 µm	E-no	Zinc 20 µm	E-no
200	MP-102 LS	11 151 22	MP-102 LS6	11 151 17
300	MP-103 LS	11 151 23	MP-103 LS6	11 151 18
400	MP-104 LS	11 151 24	MP-104 LS6	11 151 19
500	MP-105 LS	11 151 25	MP-105 LS6	11 151 20
600	MP-106 LS	11 151 26	MP-106 LS6	11 151 21

The letter in the MP No. denotes the surface finish according to: (also see page 4)

E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

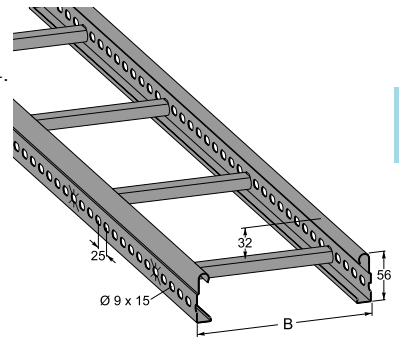
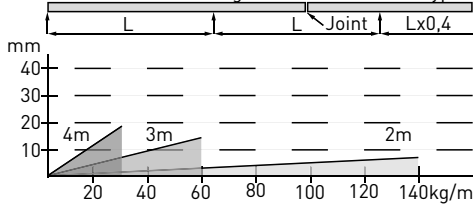
A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Cable ladder MP-TS, Z, Z4 – 6 m

Cable ladder with closed flat oval rungs for environmental class max C2 (S)/C4 (Z and Z4).  
For information about surface finish, see page 4.

Ladder length: 6 m.  
Rung spacing: c-c 250 mm.  
Ultimate failure load:  $\geq 1.7$  times the max. load.

Deflection in mm according to SS-EN 61537 test type II



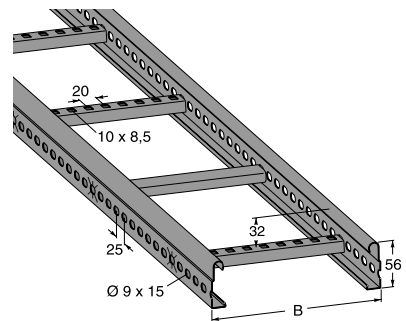
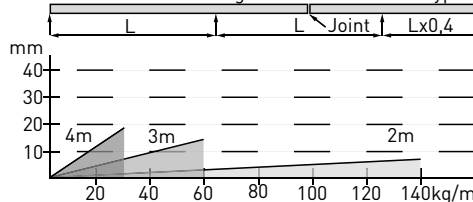
B	Zinc 20 $\mu$ m	E-no	Zinc 60 $\mu$ m	E-no	Z4	E-no
200	MP-152 S	11 150 43	MP-152 Z	11 150 63	MP-152 Z4	11 151 02
300	MP-153 S	11 150 46	MP-153 Z	11 150 66	MP-153 Z4	11 151 03
400	MP-154 S	11 150 49	MP-154 Z	11 150 69	MP-154 Z4	11 151 04
500	MP-155 S	11 150 52	MP-155 Z	11 150 72	MP-155 Z4	11 151 05
600	MP-156 S	11 150 55	MP-156 Z	11 150 75	MP-156 Z4	11 151 06

## Cable ladder MP-PZ, PZ4 – 6 m

Cable ladder with perforated rungs for environmental class maximum C4

The second rung at each end is closed.  
For information about surface finish, see page 4.  
Rung spacing: c-c 250 mm.  
Ultimate failure load:  $\geq 1.7$  times the max. load.

Deflection in mm according to SS-EN 61537 test type II



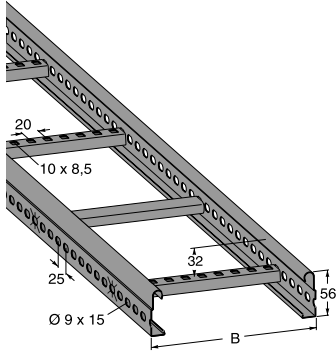
B	Zinc 60 $\mu$ m	E-no	Z4	E-no
200	MP-152 PZ	11 150 77	MP-152 PZ4	11 151 07
300	MP-153 PZ	11 150 78	MP-153 PZ4	11 151 08
400	MP-154 PZ	11 150 79	MP-154 PZ4	11 151 09
500	MP-155 PZ	11 150 80	MP-155 PZ4	11 151 10
600	MP-156 PZ	11 150 81	MP-156 PZ4	11 151 11

The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black  
NCS 2502-Y  
RAL 9005

# Cable ladders

## Cable ladder MP-Z4 – 3 m



Cable ladder with perforated rungs for environmental class maximum C4

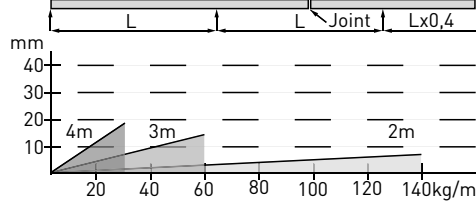
The second rung at each end is closed.

For information about surface finish, see page 4.

Rung spacing: c-c 250 mm.

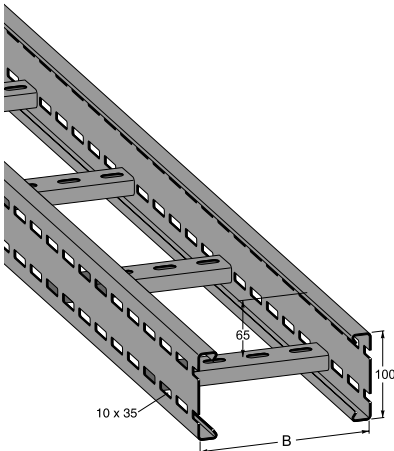
Ultimate failure load:  $\geq 1.7$  times the max. load.

Deflection in mm according to SS-EN 61537 test type II



B	Zinc 60 µm	E-no
200	MP-102 Z4	11 151 12
300	MP-103 Z4	11 151 13
400	MP-104 Z4	11 151 14
500	MP-105 Z4	11 151 15
600	MP-106 Z4	11 151 16

## Self-supporting cable ladder MP-FZ – 6 m

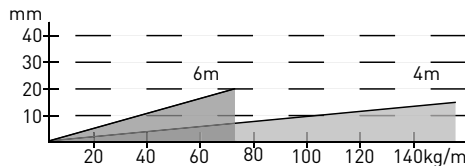


Designed for long cantilever spacing, but also in environments where great demands are made on mechanical strength. For environmental class maximum C4

Ladder length: 6 m.

Rung spacing: c-c 300 mm.

Ultimate failure load:  $\geq 1.7$  times the max. load.



B	Zink 60 µm	E-no
200	MP-192 Z	11 150 85
300	MP-193 Z	11 150 88
400	MP-194 Z	11 150 91
500	MP-195 Z	11 150 94
600	MP-196 Z	11 150 97

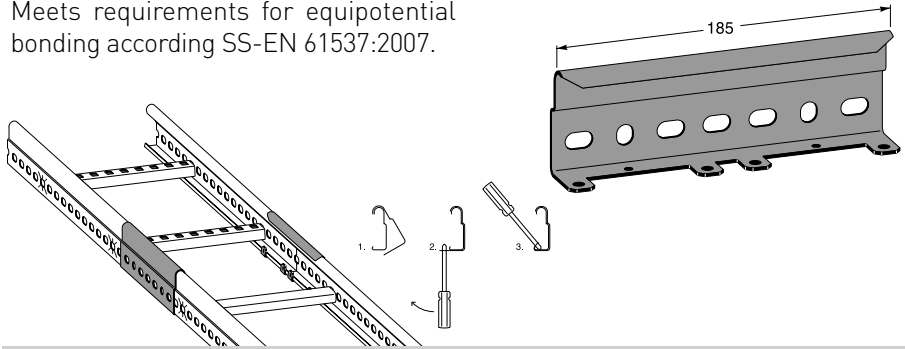
The letter in the MP No.denotes the surface finish according to: (also see page 4)

E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Splice for MP-S, LS, TS, Z, PZ, Z4, PZ4

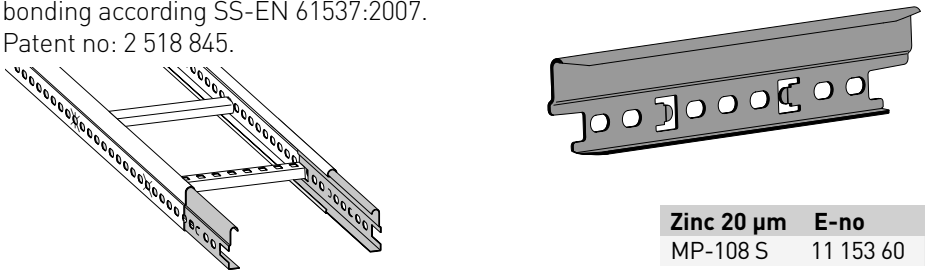
Meets requirements for equipotential bonding according SS-EN 61537:2007.



Zinc 20 µm	E-no	Zinc 60 µm	E-no	Z4	E-no	White	E-no
MP-107 S	11 153 63	MP-107 Z	11 153 65	MP-107 Z4	11 153 61	MP-107 V	11 153 64

## Internal ladder splice for MP-S, LS

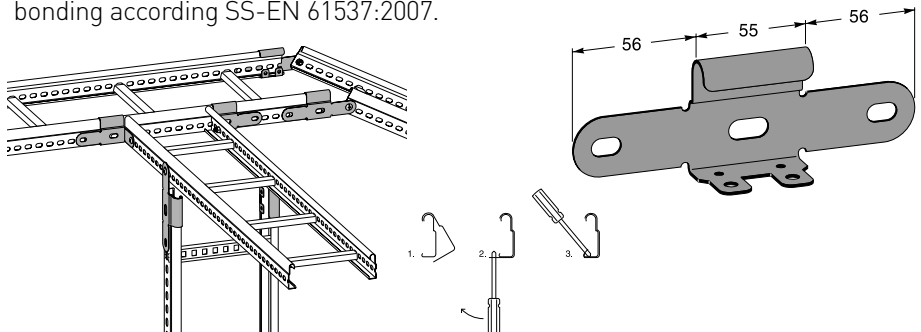
Meets requirements for equipotential bonding according SS-EN 61537:2007.  
Patent no: 2 518 845.



Zinc 20 µm	E-no
MP-108 S	11 153 60

## Universal link for MP-S, LS, TS, Z, PZ, Z4, PZ4

Meets requirements for equipotential bonding according SS-EN 61537:2007.



Zinc 20 µm	E-no	Zinc 60 µm	E-no	Z4	E-no	White	E-no
MP-114 S	11 153 74	MP-114 Z	11 153 76	MP-114 Z4	11 153 56	MP-114 V	11 153 92

The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black

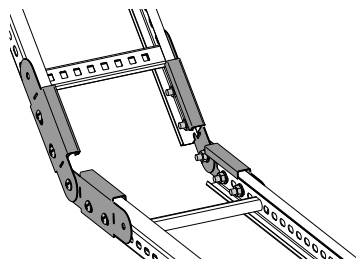
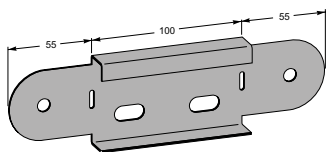
NCS 2502-Y  
RAL 9005

# Cable ladders

## Universal link – reinforced

Meets requirements for equipotential bonding according SS-EN 61537:2007.

Use 4 links/splice. Supplemented with fastening screws MP-937 Z, see page 47.

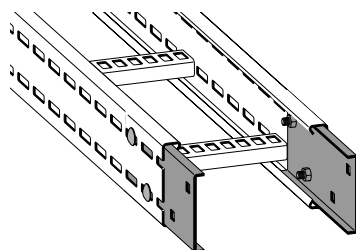
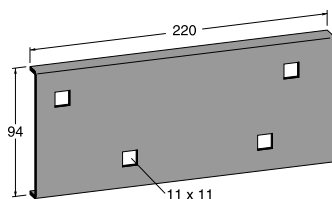


<b>Z4</b>	<b>E-no</b>
MP-115 Z4	11 153 57

## Splice for MP-FZ

Meets requirements for equipotential bonding according SS-EN 61537:2007.

Use 4 x MP-947 Z-bolts per splice, see page 47.

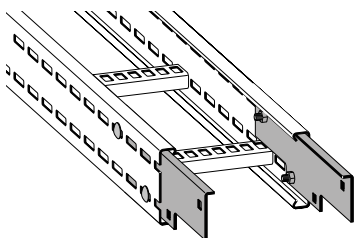
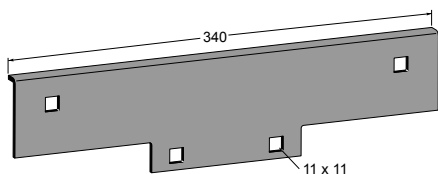


<b>Zinc 60 µm</b>	<b>E-no</b>
MP-201 Z	11 153 67

## Internal ladder splice for MP-FZ

Used at ends against the wall or the like where the standard splice MP-201 Z cannot be used. Meets requirements for equipotential bonding according SS-EN 61537:2007.

Use 4 x MP-947 Z-bolts per splice, see page 47.



<b>Zinc 60 µm</b>	<b>E-no</b>
MP-206 Z	11 153 71

The letter in the MP No. denotes the surface finish according to: (also see page 4)

E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

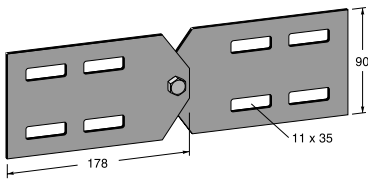
A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.



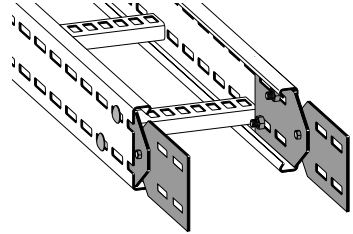
## Vertical axis for MP-FZ

Meets requirements for equipotential bonding according SS-EN 61537:2007.

Use 4 x MP-947 Z-bolts per link, see page 47.



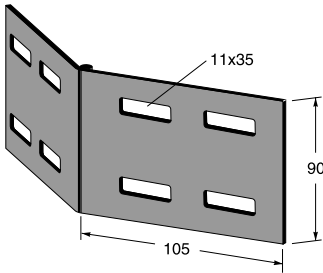
Zinc 60 µm	E-no
MP-202 Z	11 153 77



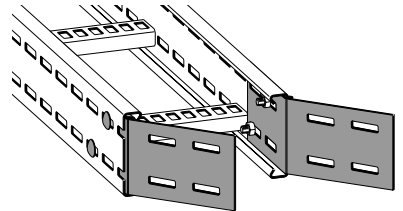
## Horizontal axis for MP-FZ

Meets requirements for equipotential bonding according SS-EN 61537:2007.

Use 4 x MP-947 Z-bolts per link, see page 47.



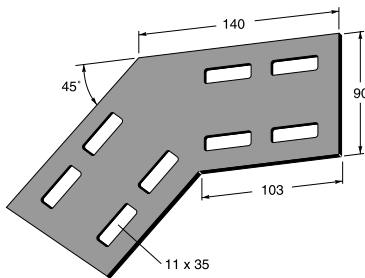
Zinc 60 µm	E-no
MP-203 Z	11 153 78



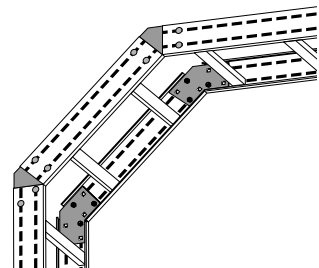
## Splice 45° for MP-FZ

Meets requirements for equipotential bonding according SS-EN 61537:2007.

Use 4 x MP-947 Z-bolts per splice, see page 47.



Zinc 60 µm	E-no
MP-205 Z	11 153 69



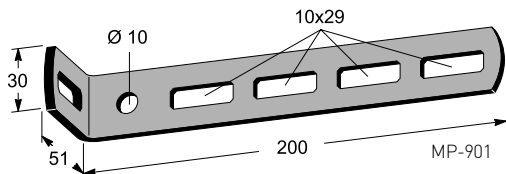
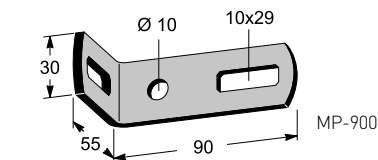
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black

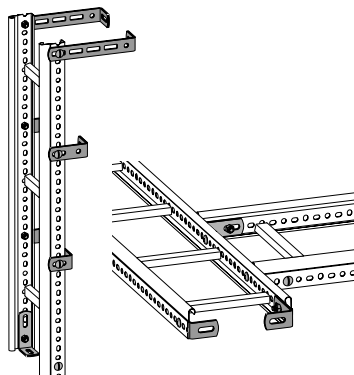
NCS 2502-Y  
RAL 9005

# Cable ladders

## Angle bracket for MP-S, LS, TS, Z, PZ, AZ, PZ4, Z4

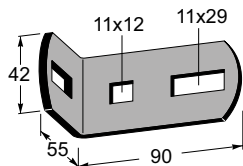


Meets requirements for equipotential bonding according SS-EN 61537:2007.



Zinc 60 µm	E-no	White	E-no
MP-900 Z	11 153 85	MP-900 V	11 153 86
MP-901 Z	11 153 81	MP-901 V	11 153 82

## Angle bracket for MP-FZ



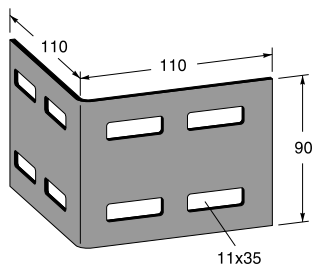
Meets requirements for equipotential bonding according SS-EN 61537:2007.

Designed for the FZ ladder, with a hole pattern for carriage bolts and nut M10, see page 47.

Slightly wider and is ideal for installation on e.g. anchor rails.

Zinc 60 µm	E-no
MP-903 Z	11 153 90

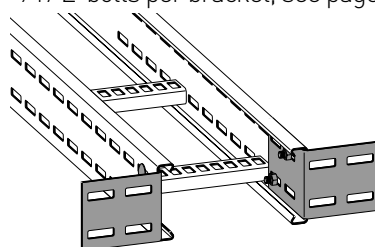
## Angle bracket for MP-FZ



Angle bracket designed for cable ladder type MP-FZ.

Meets requirements for equipotential bonding according SS-EN 61537:2007.

Use 4 x MP-947 Z-bolts per bracket, see page 47.



Zinc 60 µm	E-no
MP-204 Z	11 153 88

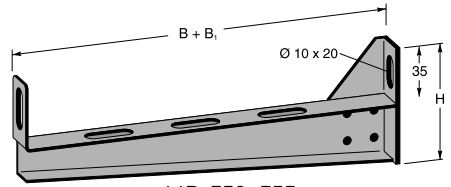
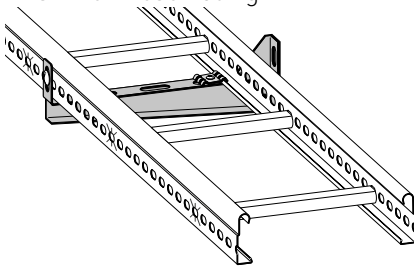
The letter in the MP No. denotes the surface finish according to: (also see page 4)

E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

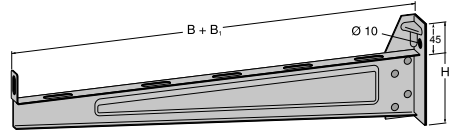
A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Cantilever arm type KL

For porous substrate use backing plate MP-962, see page 22.  
Ultimate failure load:  $\geq 1.7$  times the maximum load 150 kg.



MP-753-755



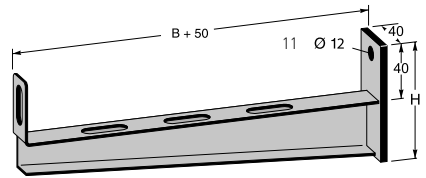
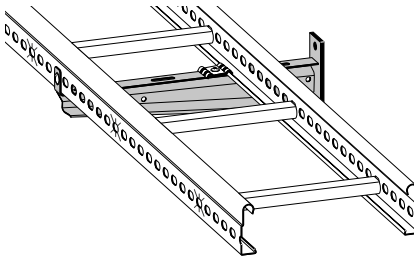
MP-756-762

B	B1	H	Zinc 20 µm	E-no	Zinc 60 µm	E-no	White	E-no
200	40	80	MP-753 S	11 165 52	MP-753 Z	11 165 55	MP-753 V	11 165 53
300	40	90	MP-754 S	11 165 61	MP-754 Z	11 165 64	MP-754 V	11 165 62
400	40	100	MP-755 S	11 165 70	MP-755 Z	11 165 73	MP-755 V	11 165 71
500	50	150	MP-756 S	11 165 74	MP-756 Z	11 165 78	MP-756 V	11 165 75
600	50	150	MP-762 S	11 165 80	MP-762 Z	11 165 84	MP-762 V	11 165 82

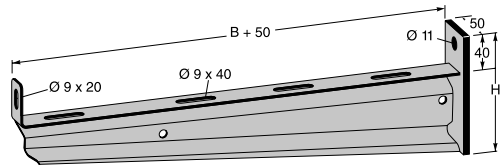
## Cantilever arm type KN to MP-S, LS, TS, Z, PZ, Z4

Secure the ladder using fastening screw (page 47) on the front edge of the cantilever arm and universal bracket MP-731 (page 22) and screw on the rear edge as required.

For porous walls use a backing plate.  
Ultimate failure load:  $\geq 1.7$  times the maximum load.



MP-172-173



MP-174-176

H	B	Maxload	Zinc 60 µm	E-no	White	E-no
85	200	200 kg	MP-172 Z2	11 151 76	MP-172 V	11 151 77
95	300	200 kg	MP-173 Z2	11 151 79	MP-173 V	11 151 80
120	400	250 kg	MP-174 Z2	11 151 82	MP-174 V	11 151 83
130	500	370 kg	MP-175 Z2	11 151 85	MP-175 V	11 151 86
135	600	370 kg	MP-176 Z2	11 151 88	MP-176 V	11 151 89

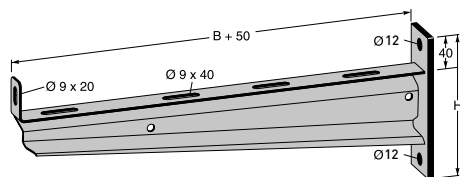
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

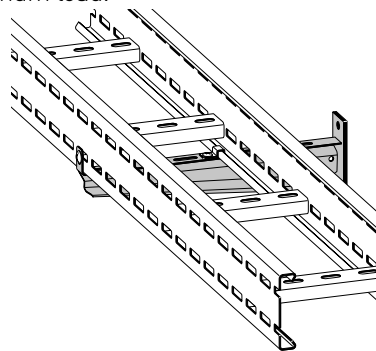
# Cable ladders

## Reinforced cantilever arm type KF for MP-FZ



Secure the ladder using fastening screw (page 47) on the front edge of the cantilever arm and cantilever arm clamp FZ (page 22) and screw on the rear edge as required.

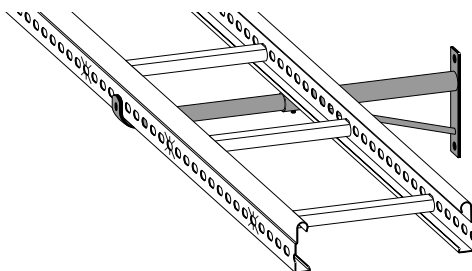
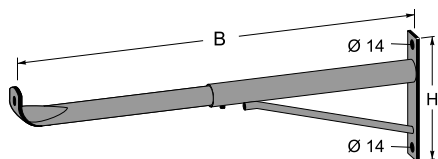
Use a backing plate on porous walls.  
Ultimate failure load:  $\geq 1.7$  times the maximum load.



H	B	Maxload	Zinc 60 µm	E-no
140	200	450 kg	MP-182 Z2	11 151 91
150	300	450 kg	MP-183 Z2	11 151 93
155	400	450 kg	MP-184 Z2	11 151 95
165	500	450 kg	MP-185 Z2	11 151 97
170	600	450 kg	MP-186 Z2	11 151 99
210	1000	390 kg	MP-188 Z2	11 152 68

## Adjustable cantilever arm type KS for all ladder types

Ultimate failure load:  $\geq 1.7$  times the max. load.  
Maximum load: min position 300 kg.  
Maximum load: max position 125 kg.



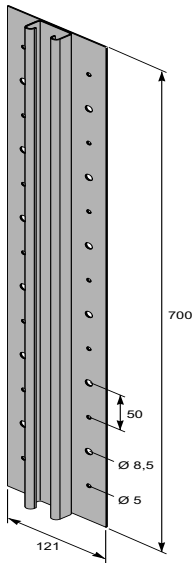
H	B	Zinc 60 µm	E-no
280	550 - 850	MP-178 Z	11 152 46
280	850 - 1100	MP-179 Z	11 152 49

The letter in the MP No. denotes the surface finish according to: (also see page 4)

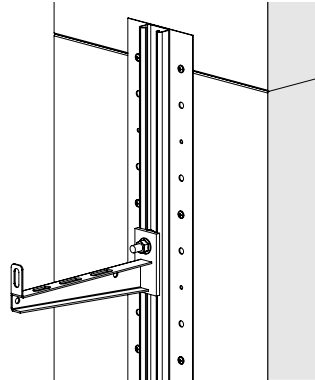
E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Wall rail – sandwich element



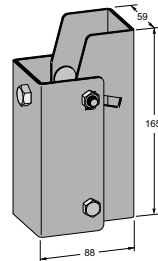
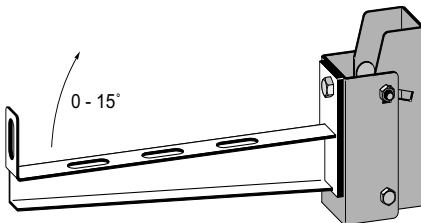
For installing cantilever arms, etc on Sandwich walls or lightweight concrete blocks. Installed using plate or lightweight concrete screws. Observe the wall's strength!  
T-bolts – see page 46.  
Length: 700 mm.



Zinc 20 µm	E-no	Zinc 60 µm	E-no
MP-030 S	11 158 58	MP-030 Z	11 158 59

## Adjustable bracket for cantilever arm

For installation on inclined pillars.  
Adjustable 0-15°.  
Maximum load: 185 kg.



Zinc 20 µm	E-no
MP-234 S	11 158 27

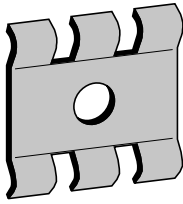
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black

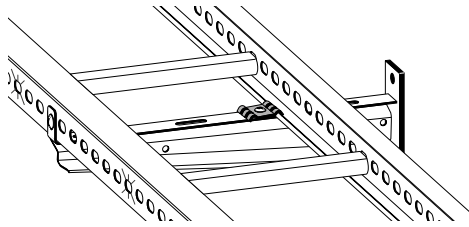
NCS 2502-Y  
RAL 9005

# Cable ladders

## Universal bracket



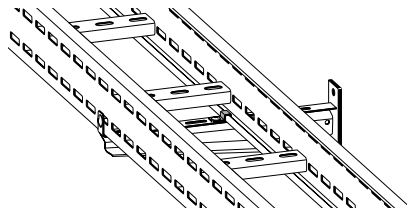
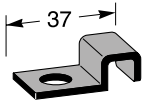
The universal bracket is used as a cantilever arm clamp on the rear edge for all ladder types except MP-FZ.



Zinc 20 µm	E-no	Z4	E-no	White	E-no
MP-731 S	11 165 30	MP-731 Z4	11 165 34	MP-731 V	11 165 32

## Cantilever arm clamp FZ

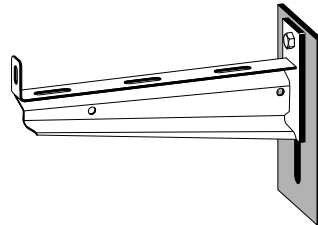
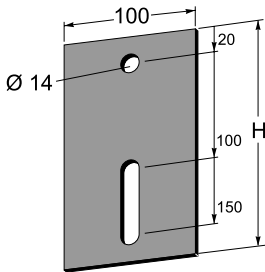
Cantilever arm clamp for FZ-ladder.  
10 pcs/package.



Zinc 60 µm	E-no
MP-187 Z4	11 152 01

## Backing plate

Plate thickness 5 mm.



H	Zinc 60 µm	E-no	White	E-no
100	MP-962 Z	11 172 80	MP-962 V	11 172 81
175	MP-963 Z	11 152 64	MP-963 V	11 152 66

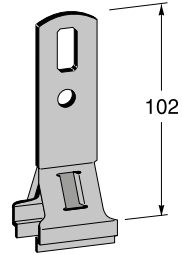
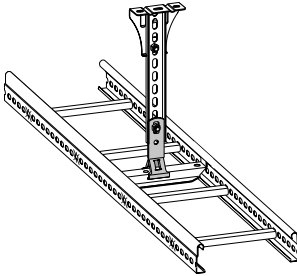
The letter in the MP No.denotes the surface finish according to: (also see page 4)

E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Pendant bracket

Used in combination with internal support yokes for centre suspension.

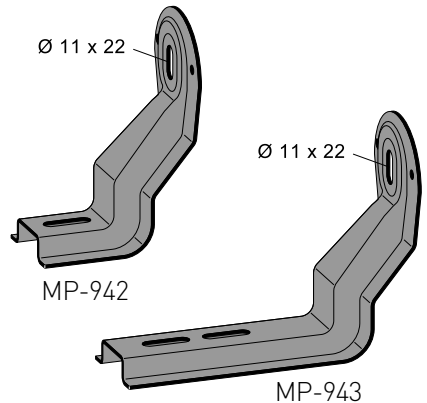
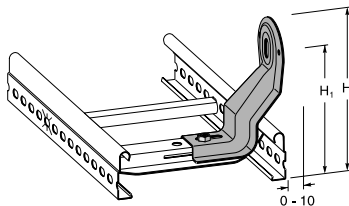
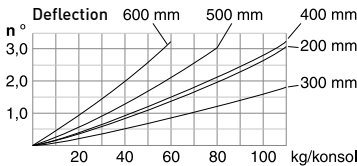


Zinc 20 µm	E-no	White	E-no
MP-931 S	11 173 87	MP-931 V	11 173 88

## Internal support yoke type KI for MP-S

Used as a cantilever arm in combination with internal support yoke and screw MP-937 E (page 47).

Ultimate failure load:  $\geq 1.7$  times the maximum load.



H	H1	B	Zinc 20 µm	E-no	White	E-no	Zinc 60 µm	E-no
160	125	200	MP-942 S	11 172 05	MP-942 V	11 172 06	MP-942 Z	11 172 07
185	149	300-600	MP-943 S	11 172 09	MP-943 V	11 172 10	MP-943 Z	11 172 11

The letter in the MP No. denotes the surface finish according to: (also see page 4)

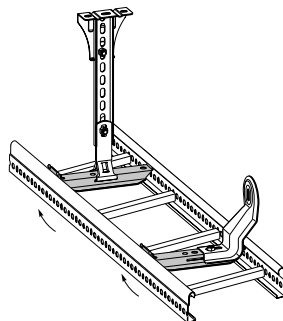
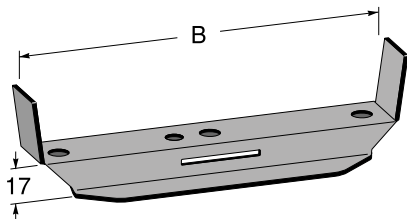
V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

# Cable ladders

## Internal support yoke type BI for MP-S, LS and TS

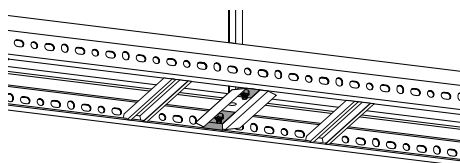
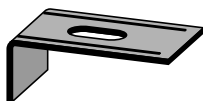
The internal support yoke is positioned inside the ladder and adds no installation height under the ladder. Fixed if necessary with the lock for support yoke below.



B	Zinc 20 µm	E-no	White	E-no	Zinc 60 µm	E-no
200	MP-157 S	11 152 95	MP-157 V	11 152 96	MP-157 Z	11 152 94
300	MP-158 S	11 152 98	MP-158 V	11 152 99	MP-158 Z	11 152 97
400	MP-159 S	11 153 01	MP-159 V	11 153 02	MP-159 Z	11 153 00
500	MP-160 S	11 153 04	MP-160 V	11 153 05	MP-160 Z	11 153 03
600	MP-161 S	11 153 07	MP-161 V	11 153 08	MP-161 Z	11 153 06

## Lock for internal support yoke

Installed in the internal support yoke with screw MP-937 E, (page 47) once the internal support yoke is placed in the ladder.



Zinc 20 µm	E-no
MP-914 S	11 174 82

The letter in the MP No. denotes the surface finish according to: (also see page 4)

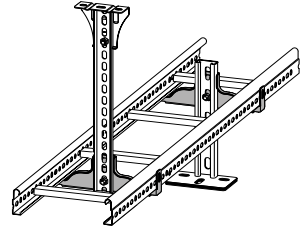
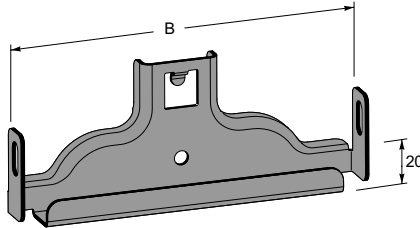
E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.



## Support yoke type BN for all ladder types

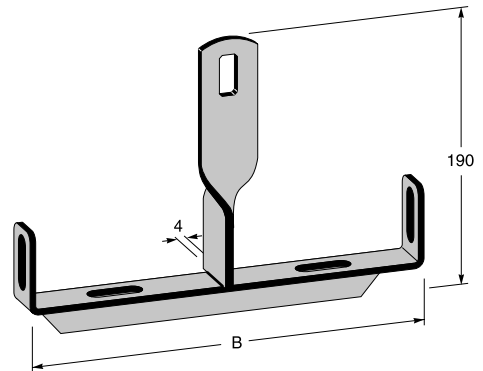
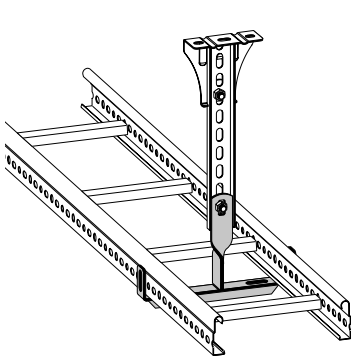
For suspension in a pendant/anchor rail.  
Ultimate failure load:  $\geq 1.7$  times the maximum load.



B	Maxload	Zinc 20 µm	E-no	Zinc 60 µm	E-no	White	E-no
200	240 kg	MP-162 S2	11 152 23	MP-162 Z2	11 152 25	MP-162 V2	11 152 24
300	240 kg	MP-163 S2	11 152 26	MP-163 Z2	11 152 28	MP-163 V2	11 152 27
400	240 kg	MP-164 S2	11 152 29	MP-164 Z2	11 152 31	MP-164 V2	11 152 30
500	280 kg	MP-165 S2	11 152 32	MP-165 Z2	11 152 34	MP-165 V2	11 152 33
600	280 kg	MP-166 S2	11 152 35	MP-166 Z2	11 152 37	MP-166 V2	11 152 36

## Support yoke type BS for MP-S and TS

The support yoke takes up a minimum of space in the ladder (4 mm).



NOTE! The support yoke requires a uniformly distributed load.

B	Zinc 60 µm	E-no
200	MP-743 Z	11 166 32
300	MP-744 Z	11 166 41
400	MP-745 Z	11 166 50

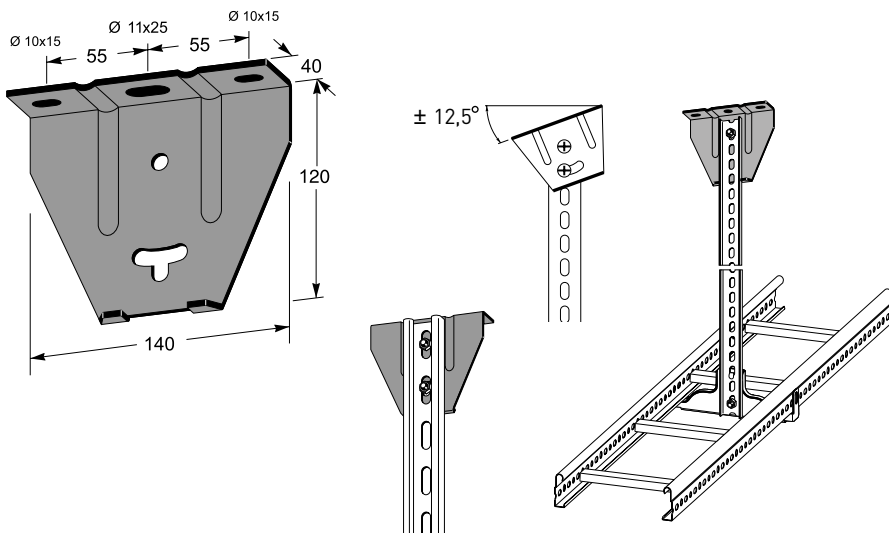
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

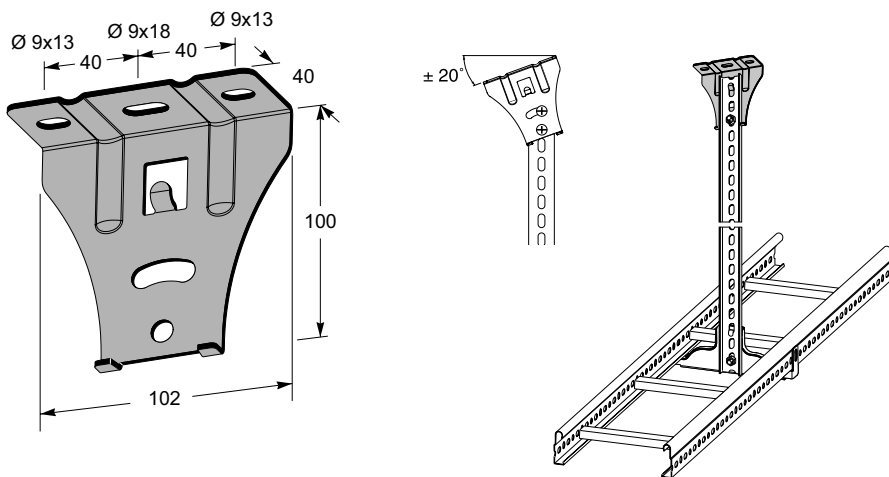
# Cable ladders

## Ceiling bracket type TN for pendant rail/anchor rail



Zinc 20 µm	E-no	Zinc 60 µm	E-no
MP-150 S	11 153 42	MP-150 Z	11 153 43

## Ceiling bracket type TL for pendant rail



Zinc 20 µm	E-no	Zinc 60 µm	E-no	White	E-no
MP-904 S	11 153 46	MP-904 Z	11 153 47	MP-904 V	11 153 48

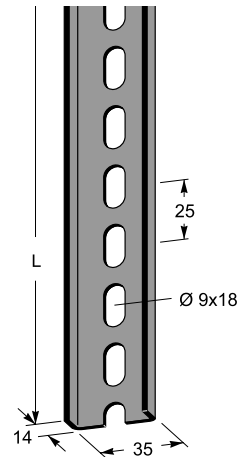
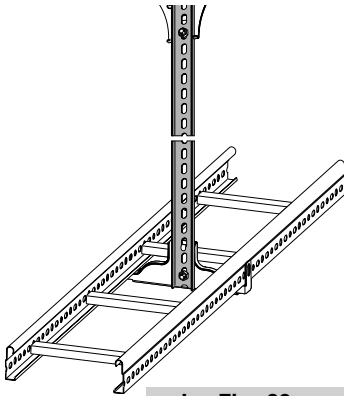
The letter in the MP No. denotes the surface finish according to: (also see page 4)

E = Electrogalv.  
S = Zinc  
Z = Zinc  
10 µm  
20 µm  
SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Pendant rail

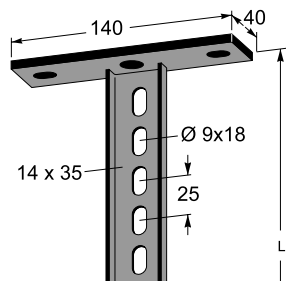
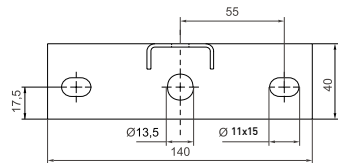
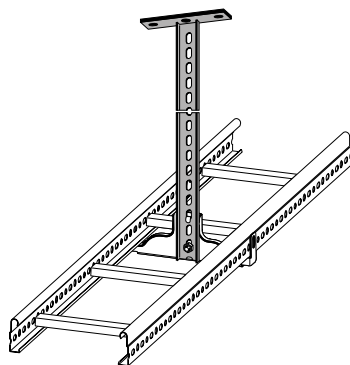
Several support yokes can be installed on the same pendant. Cutting marks c-c 100 mm.



L	Zinc 20 µm	E-no	Zinc 60 µm	E-no	White	E-no
300	MP-911 S	11 153 26	MP-911 Z	11 153 27	MP-911 V	11 153 28
500	MP-912 S	11 153 32	MP-912 Z	11 153 33	MP-912 V	11 153 34
3000	MP-910 S	11 153 38	MP-910 Z4	11 153 36	MP-910 V	11 153 40

## Ceiling pendant type MP-P

Flera bärok kan monteras på samma pendel. Kapmärken c-c 100 mm.



L	Zinc 60 µm	E-no
300	MP-957 Z	11 157 04
400	MP-958 Z	11 157 06
500	MP-959 Z	11 157 08
700	MP-960 Z	11 157 10
1 000	MP-961 Z	11 157 12

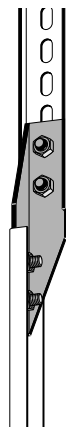
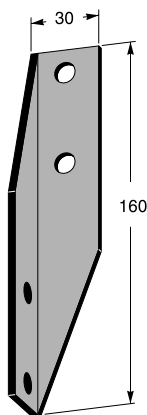
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

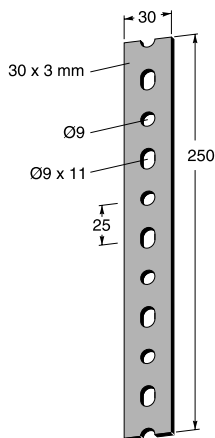
# Cable ladders

## Pendant bracket



Zinc 60 µm	E-no	White	E-no
MP-918 Z	11 153 23	MP-918 V	11 153 24

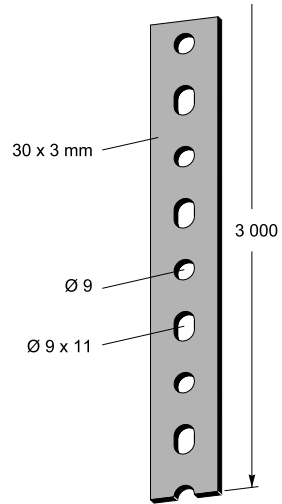
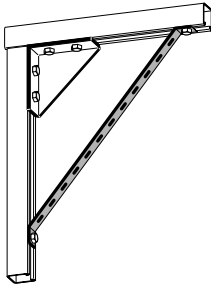
## Splice for pendant rail



Zinc 60 µm	E-no	White	E-no
MP-919 Z	11 153 11	MP-919 V	11 153 12

## Bracing strap

Universal strap for e.g. bracing.  
Length 3 m.

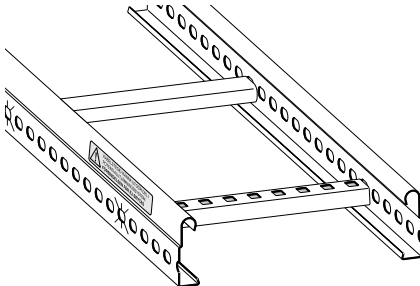
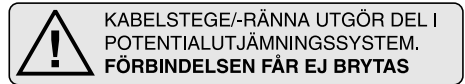


Zinc 60 µm	E-no
MP-210 Z	11 157 02

## Potential marking

A water-resistant label that is attached to the ladder. The label is yellow and has the dimensions 100x18 mm.

Note: the text is in Swedish.  
100 labels/roll (package).



Label	E-no
MP-837 F	11 167 15

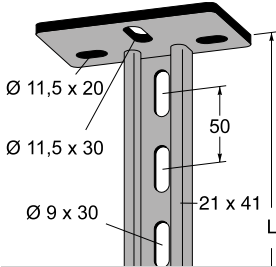
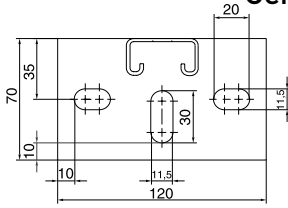
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

# Cable ladders

## Ceiling/floor pendant type MP-V



L	Zinc 60 µm	E-no
250	MP-964 Z	11 157 20
375	MP-965 Z	11 157 24
500	MP-966 Z	11 157 28
750	MP-967 Z	11 157 32
1000	MP-968 Z	11 157 36

For fastening in the pendant, see page 46.

Deflection ceiling pendant MP-V

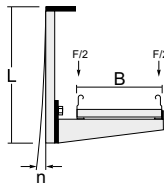
In order to calculate the deflection of the ceiling pendant, the bending moment is calculated according to the formula

$$M2 = F \times (B + 0.12) / 2.$$

Read the deflection in the diagram for the selected pendant.

In the diagram, the maximum permitted deflection according to SS-EN 61537 (1/20 of the length) for each pendant for the end of the load curve.

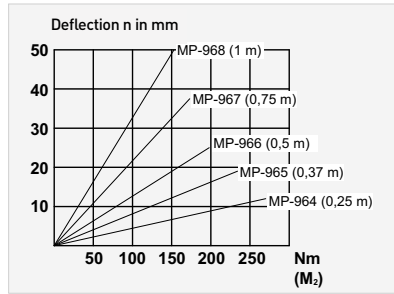
White ceiling pendants – see page 110.



M2 = Bending torque in Nm

F = Load in N

B = Ladder width in m



## Ceiling/floor pendant type MP-FV

For fastening in the pendant, see page 46.

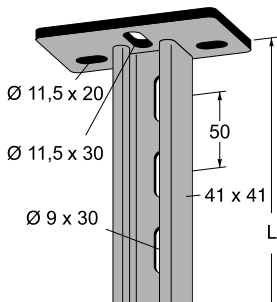
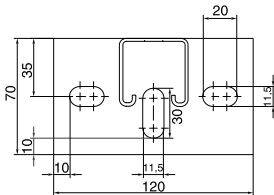
Deflection ceiling pendant MP-FV

In order to calculate the deflection of the ceiling pendant, the bending moment is calculated according to the formula

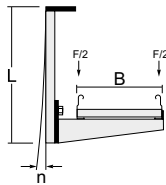
$$M2 = F \times (B + 0.14) / 2.$$

Read the deflection in the diagram for the selected pendant.

In the diagram, the maximum permitted deflection according to SS-EN 61537 (1/20 of the length) for each pendant for the end of the load curve.



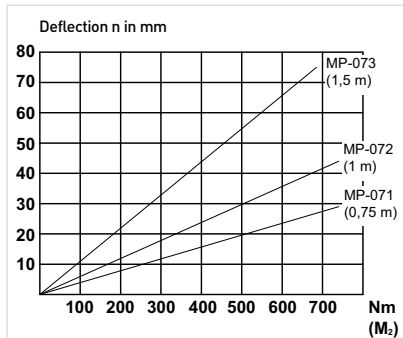
L	Zinc 60 µm	E-no
750	MP-071 Z	11 157 90
1000	MP-072 Z	11 157 92
1500	MP-073 Z	11 157 94



M2 = Bending torque in Nm

F = Load in N

B = Ladder width in m



The letter in the MP No. denotes the surface finish according to: (also see page 4)

E = Electrogalv.  
S = Zinc  
Z = Zinc

10 µm  
20 µm  
SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Ceiling/floor pendant type MP-DV

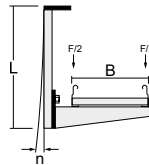
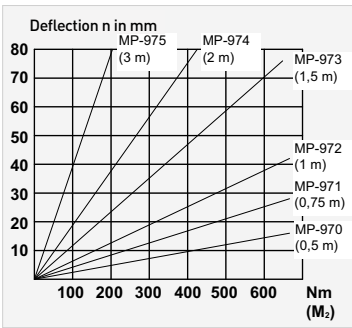
For fastening in the pendant, see page 46.

Deflection ceiling pendant MP-DV

In order to calculate the deflection of the ceiling pendant, the bending moment is calculated according to the formula  $M_2 = F \times (B+0.14)/2$ .

Read the deflection in the diagram for the selected pendant. In the diagram, the maximum permitted deflection according to SS-EN 61537 (1/20 of the length) for each pendant for the end of the load curve.

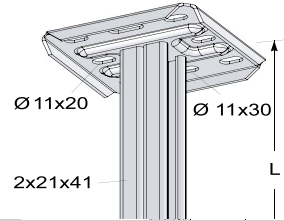
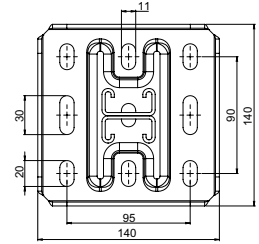
White ceiling pendants – see page 110.



$M_2$  = Bending torque in Nm

F = Load in N

B = Ladder width in m



L	Zinc 60 µm	E-no
500	MP-970 Z	11 157 40
750	MP-971 Z	11 157 44
1000	MP-972 Z	11 157 48
1500	MP-973 Z	11 157 52
2000	MP-974 Z	11 157 56
3000	MP-975 Z	11 157 60

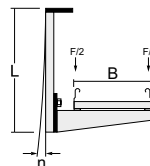
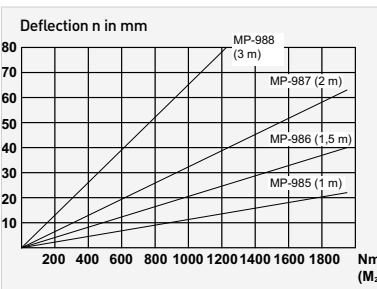
## Ceiling/floor pendant type MP-FDV

For fastening in the pendant, see page 46.

Deflection ceiling pendant MP-FDV

In order to calculate the deflection of the ceiling pendant, the bending moment is calculated according to the formula  $M_2 = F \times (B+0.18)/2$ .

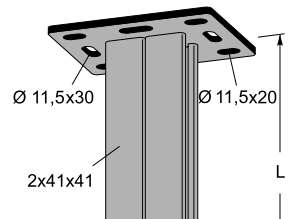
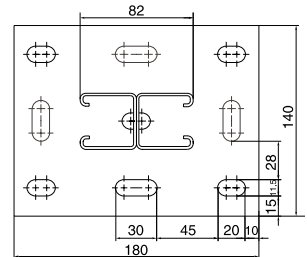
Read the deflection in the diagram for the selected pendant. In the diagram, the maximum permitted deflection according to SS-EN 61537 (1/20 of the length) for each pendant for the end of the load curve.



$M_2$  = Bending torque in Nm

F = Load in N

B = Ladder width in m



L	Zinc 60 µm	E-no
1000	MP-985 Z	11 157 64
1500	MP-986 Z	11 157 68
2000	MP-987 Z	11 157 72
3000	MP-988 Z	11 157 76

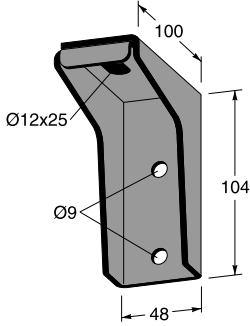
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

# Cable ladders

## Ceiling bracket for anchor rail type MP-V, FV



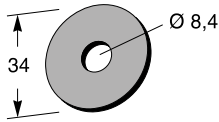
The ceiling bracket is combined with an anchor rail for side-hung ladder installation. Note! The installation can handle larger loads than the corresponding ceiling pendant type MP-V (see page 30).

When the anchor rail 41x41 is installed use washer MP-244, see below.

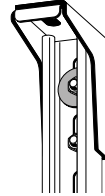


Zinc 20 µm	E-no	Zinc 60 µm	E-no	White	E-no	Black	E-no
MP-230 S	11 157 97	MP-230 Z	11 157 98	MP-230 V	11 157 96	MP-230 SV	11 158 32

## Washer

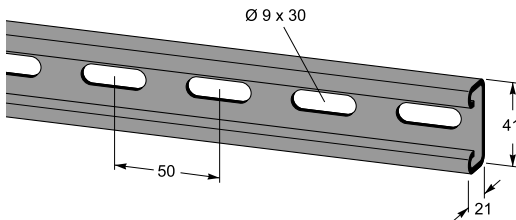


The reinforcement washer must be used internally on the top screw when the anchor rail 41x41 mm is used as a pendant. 10 per package.

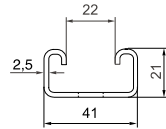


Zinc 60 µm	E-no
MP-244 Z	11 157 79

## Anchor rail type MP-V 21x41 mm



For fastening in rails – see page 46.



L	Zinc 20 µm	E-no	Zinc 60 µm	E-no	White/Black	E-no
250	MP-024 S	11 158 39	MP-024 Z	11 158 40	MP-024 V	11 158 38
375	MP-025 S	11 158 43	MP-025 Z	11 158 44	MP-025 V	11 158 42
500	MP-026 S	11 158 47	MP-026 Z	11 158 48	MP-026 V	11 158 46
750	MP-027 S	11 158 51	MP-027 Z	11 158 52	MP-027 V	11 158 50
1000	MP-028 S	11 158 55	MP-028 Z	11 158 56	MP-028 V	11 158 54
3000	MP-231 S	11 158 02	MP-231 Z	11 158 00	MP-231 V	11 158 01
6000			MP-231 Z6	11 158 07	MP-231 SV	11 158 11

The letter in the MP No. denotes the surface finish according to: (also see page 4)

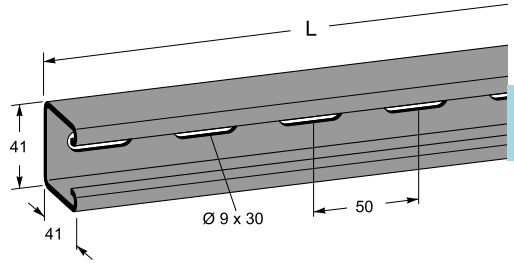
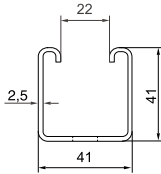
E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.



## Anchor rail type MP-FV 41x 41 mm

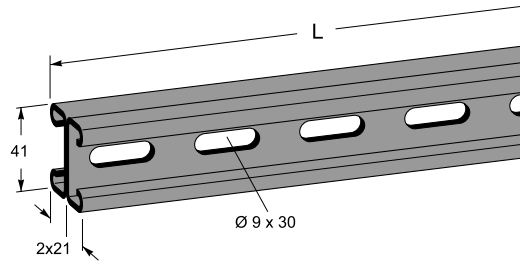
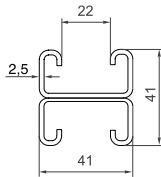
For fastening in rails – see page 46.



L	Zinc 20 µm	E-no	Zinc 60 µm	E-no
750	MP-037 S	11 158 60	MP-037 Z	11 158 61
1000	MP-038 S	11 158 65	MP-038 Z	11 158 66
3000	MP-233 S	11 158 05	MP-233 Z	11 158 04
6000			MP-233 Z6	11 158 10

## Double anchor rail type MP-DV 2x21x 41 mm

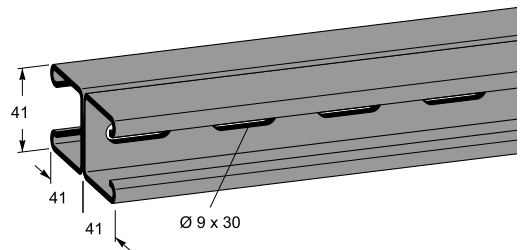
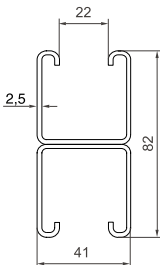
For fastening in rails – see page 46.



L	Zinc 60 µm	E-no
3000	MP-237 Z	11 158 08

## Double anchor rail type MP-FDV 2x41x41 mm

For fastening in rails – see page 46.



L	Zinc 60 µm	E-no
3000	MP-238 Z	11 158 12

The letter in the MP No. denotes the surface finish according to: (also see page 4)

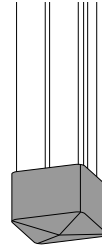
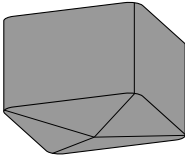
V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

# Cable ladders

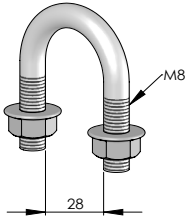
## End protection for ceiling/floor pendant or anchor rail

Red coloured end protection, suitable for types MP-V, DV, FV.



Plastic	E-no	Suitable for
MP-240 P	11 158 17	MP-V
MP-241 P	11 158 18	MP-DV, FV
MP-242 P	11 158 19	MP-FDV

## Rock bolt clamp

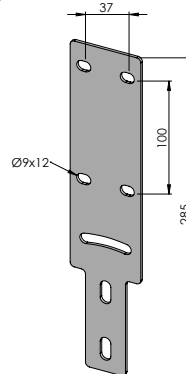
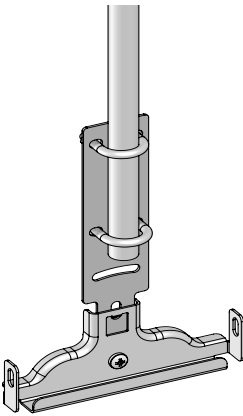


For attachment to rock bolt (max Ø 28 mm) rock bolt clamps are used together with ceiling/floor/wall bolt attachment.

Zinc 60 µm	E-no
MP-270 Z	11 158 81

## Roof bolt bracket

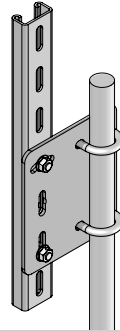
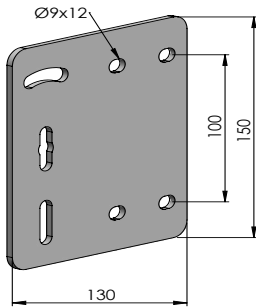
Roof bolt bracket for attaching anchor rails, yokes in cam steel, needs to be completed with rock bolt clamps.



Z4 25 µm	E-no
MP-271 Z4	11 158 82

## Floor bolt bracket

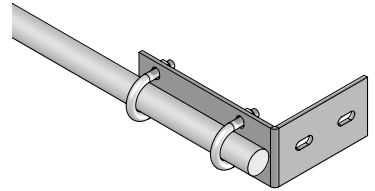
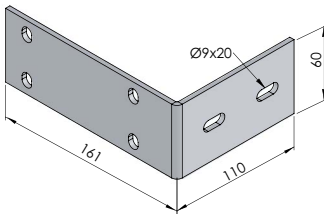
Floor bolt bracket for attachment to rock bolt, needs to be completed with rock bolt clamps.



Zinc 60 µm	E-no
MP-272 Z	11 158 83

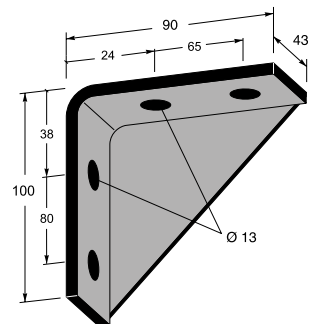
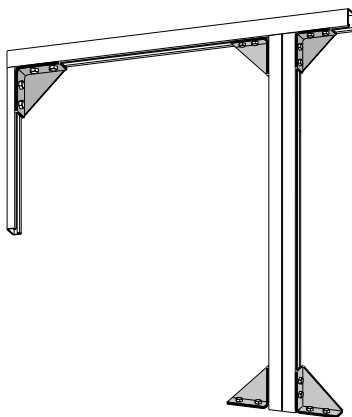
## Wall bolt bracket

Wall bolt bracket for attachment to rock bolt, needs to be completed with rock bolt clamps.



Zinc 60 µm	E-no
MP-273 Z	11 158 84

## Corner bar for anchor rails



Zinc 25 µm	E-no
MP-245 Z	11 158 28

The letter in the MP No. denotes the surface finish according to: (also see page 4)

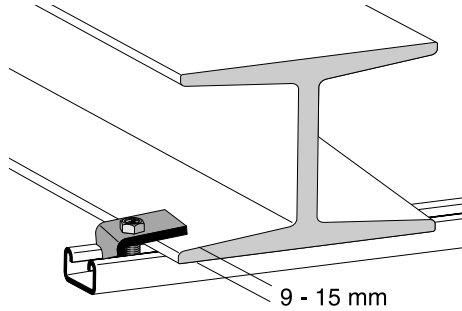
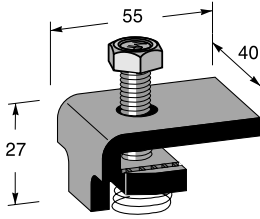
V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

# Cable ladders

## Beam bracket

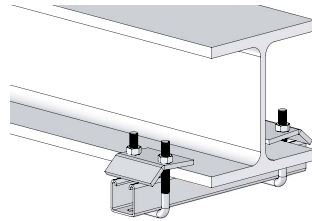
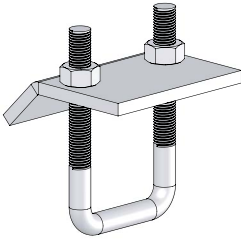
Designed for fastening to steel beams.  
For flange thickness 9 - 15 mm.  
Maximum load 200kg.



<b>Zinc 60 µm</b>	<b>E-no</b>
MP-243 Z	11 158 25

## Beam clamp

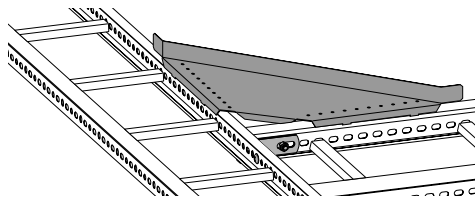
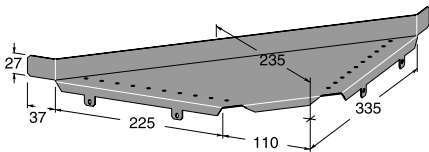
Designed for fastening to steel beams. For flange thickness 5-18 mm. Fits anchor rail with height 21 and 41 mm. The anchor rail's opening can be installed in different directions and in this way you get more versatile functionality. Max load 500 kg.



<b>Zinc 60 µm</b>	<b>E-no</b>
MP-253 Z	11 158 79

## Branch plate

Suitable for all ladder types.



<b>Zinc 20 µm</b>	<b>E-no</b>	<b>Zinc 60 µm</b>	<b>E-no</b>
MP-120 S	11 153 93	MP-120 Z	11 153 95

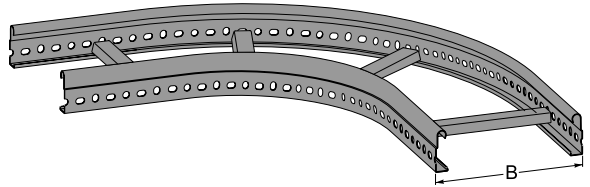
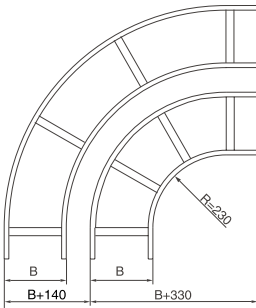
The letter in the MP No. denotes the surface finish according to: (also see page 4)

E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Flat elbow for MP-S, LS, TS, Z, PZ, Z4, PZ4

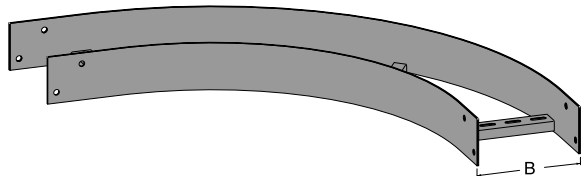
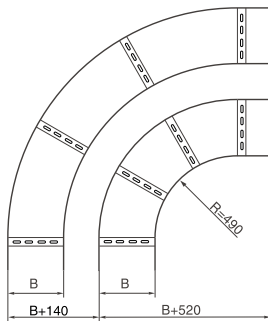
Four splices MP-107 used (see page 14).  
Outer corner made to order.



B	Zinc 20 µm	E-no	Zinc 60 µm	E-no	Z4	E-no
200	MP-122 S	11 154 03	MP-122 Z	11 154 20	MP-122 Z4	11 154 05
300	MP-123 S	11 154 06	MP-123 Z	11 154 23	MP-123 Z4	11 154 08
400	MP-124 S	11 154 09	MP-124 Z	11 154 26	MP-124 Z4	11 154 11
500	MP-125 S	11 154 12	MP-125 Z	11 154 29	MP-125 Z4	11 154 14
600	MP-126 S	11 154 15	MP-126 Z	11 154 32	MP-126 Z4	11 154 17

## Flat elbow for MP-FZ

Note! Does not require extra splices.  
Outer corner made to order.  
(Fastening screw MP-947Z - see page 47).



B	Zinc 60 µm	E-no
200	MP-212 Z	11 154 41
300	MP-213 Z	11 154 43
400	MP-214 Z	11 154 45
500	MP-215 Z	11 154 47
600	MP-216 Z	11 154 50

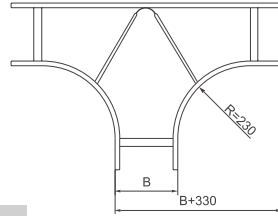
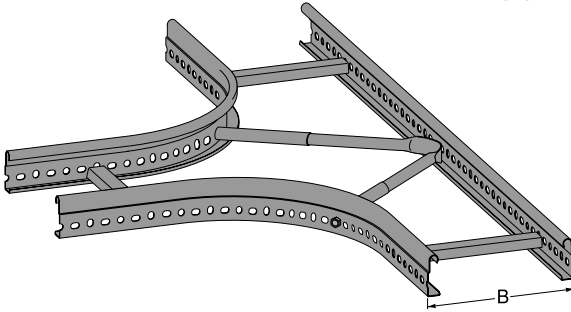
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black  
NCS 2502-Y  
RAL 9005

# Cable ladders

## Tee piece for MP-S, LS, TS, Z, PZ, Z4, PZ4

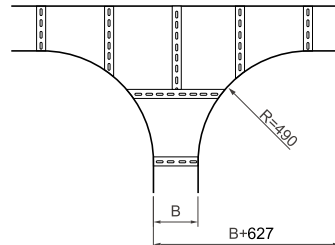
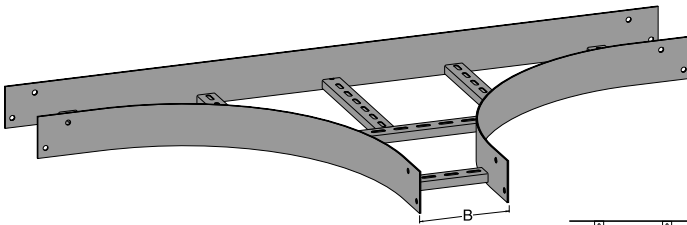
Six splices MP-107 used (see page 14).  
Note! Widths 400-600 have several pins.



B	Zinc 20 µm	E-no	Zinc 60 µm	E-no
200	MP-132 S	11 154 63	MP-132 Z	11 154 83
300	MP-133 S	11 154 66	MP-133 Z	11 154 86
400	MP-134 S	11 154 69	MP-134 Z	11 154 89
500	MP-135 S	11 154 72	MP-135 Z	11 154 92
600	MP-136 S	11 154 75	MP-136 Z	11 154 95

## Tee piece for MP-FZ

Note! Does not require extra splices.  
(Fastening screw MP-947Z - see page 47).



B	Zinc 60 µm	E-no
200	MP-218 Z	11 155 03
300	MP-219 Z	11 155 05
400	MP-220 Z	11 155 06
500	MP-221 Z	11 155 08
600	MP-222 Z	11 155 09

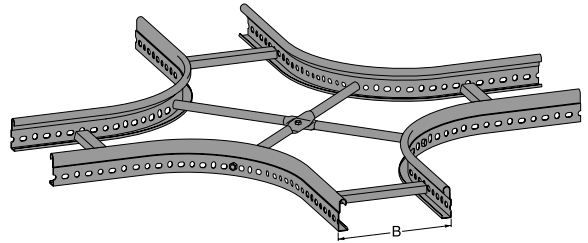
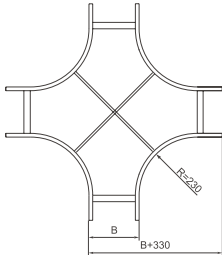
The letter in the MP No.denotes the surface finish according to: (also see page 4)

E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Cross piece for MP-S, LS, TS, Z, PZ, Z4, PZ4

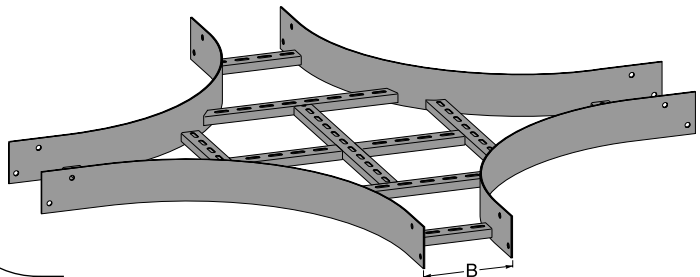
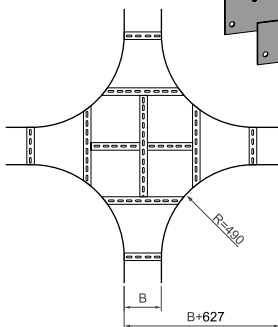
Eight splices MP-107 used (see page 14).  
 Note! Widths 400-600 have several pins.



B	Zinc 20 µm	E-no	Zinc 60 µm	E-no
200	MP-142 S	11 155 23	MP-142 Z	11 155 43
300	MP-143 S	11 155 26	MP-143 Z	11 155 46
400	MP-144 S	11 155 29	MP-144 Z	11 155 49
500	MP-145 S	11 155 32	MP-145 Z	11 155 52
600	MP-146 S	11 155 35	MP-146 Z	11 155 55

## Cross piece for MP-FZ

Note! Does not require extra splices.  
 (Fastening screw MP-947Z - see page 47).



B	Zinc 60 µm	E-no
200	MP-224 Z	11 155 57
300	MP-225 Z	11 155 59
400	MP-226 Z	11 155 60
500	MP-227 Z	11 155 62
600	MP-228 Z	11 155 63

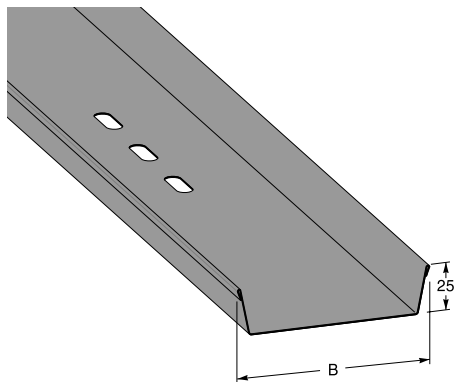
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
 B = Beige  
 SV = Black

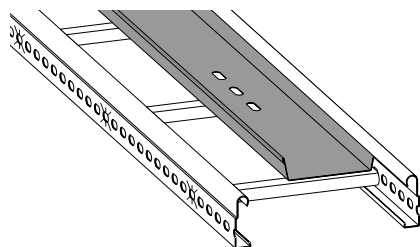
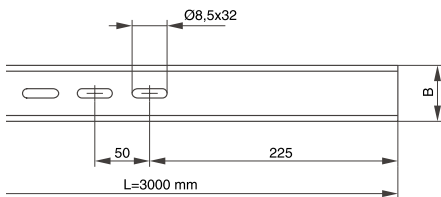
NCS 2502-Y  
 RAL 9005

# Cable ladders

## Telecom channel unperforated

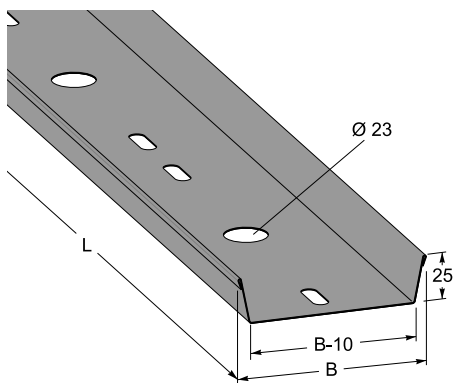


The channel is designed with fastening holes at the ends and in the middle.

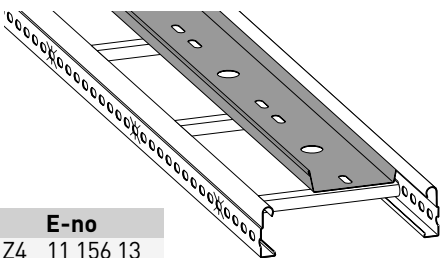
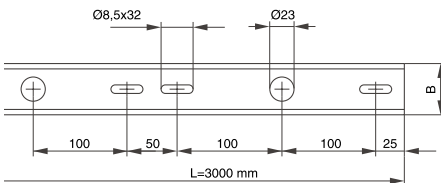


B	L	Zinc 20 µm	E-no
50	3000	MP-128 S	11 156 00
100	3000	MP-129 S	11 156 04
200	3000	MP-130 S	11 156 08

## Telecom channel perforated



The large holes can be fitted with Ø 23 mm rubber sleeves to prevent damage to the cord, found in list 14.



B	L	Zinc 20 µm	E-no	Z4	E-no
50	3000	MP-138 S	11 156 12	MP-138 Z4	11 156 13
100	3000	MP-139 S	11 156 16	MP-139 Z4	11 156 24
200	3000	MP-140 S	11 156 20		

The letter in the MP No.denotes the surface finish according to: (also see page 4)

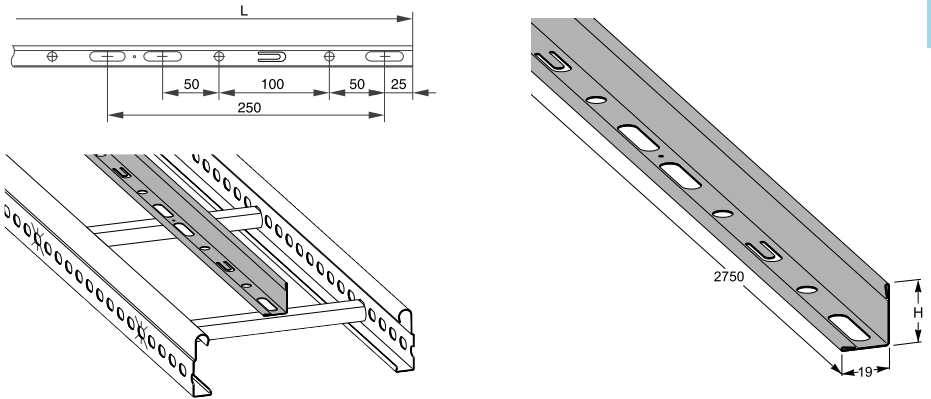
E = Electrogaly. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.



## Divider

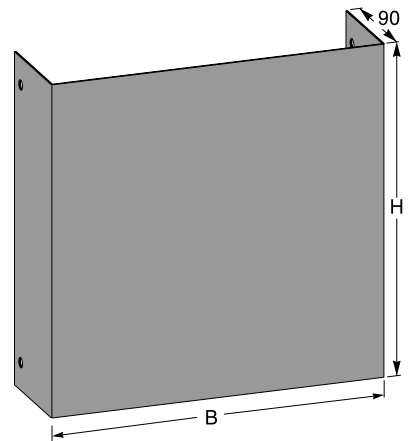
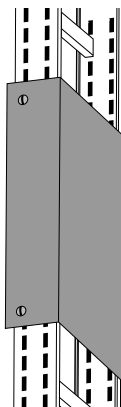
Divider for divide off the ladder. Jointed through overlapping or edge-to-edge. Guide hole c-c 250 mm.



H	L	Zinc 20 µm	E-no	Z4	E-no	White	E-no
25	2750	MP-137 S	11 184 72	MP-137 Z4	11 184 80	MP-137 V	11 184 75
40	2750	MP-149 S	11 184 78	MP-149 Z4	11 184 81		

## Mounting plate

Mounting plate designed for installation of safety switches, etc. on vertical cable ladders. Suitable on all types of cable ladder. Plate thickness 1.5 mm.



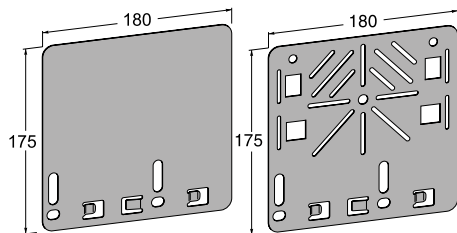
H	B	Zinc 60 µm	E-no
200	200	MP-207 Z	11 153 97
300	300	MP-208 Z	11 153 99
400	400	MP-209 Z	11 154 01

The letter in the MP No. denotes the surface finish according to: (also see page 4)

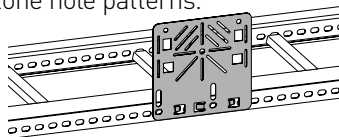
V = White  
 B = Beige  
 SV = Black  
 NCS 2502-Y  
 RAL 9005

# Cable ladders

## Mounting plate for all ladder types

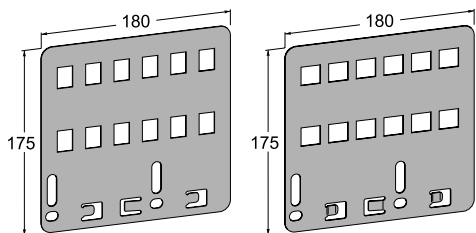


Mounting plate for fitting boxes and socket outlets, etc. Snapped to the side of the ladder on ladder types MP-S, LS, TS, Z, PZ, Z4 and PZ4. Screwed on ladder type MP-FZ. MP-112 also has 2+2 positions for data jacks with Actassi and Keystone hole patterns.



	Zinc 20 µm	E-no	Z4	E-no	White	E-no
Unperf.	MP-110 S	11 155 75	MP-110 Z4	11 155 70	MP-110 V	11 155 76
Perf.	MP-112 S	11 155 79	MP-112 Z4	11 155 87	MP-112 V	11 155 80

## Mounting plate for data sockets



MP-110 SK  
Keystone

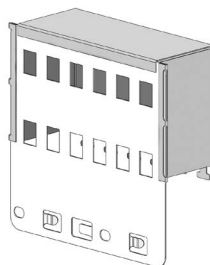
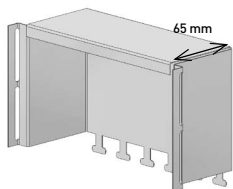
MP-110 SL  
Actassi

Mounting plate for data sockets.

	Zinc 20 µm	E-no
Keystone	MP-110 SK	11 155 93
Actassi	MP-110 SL	11 155 94

## Hood for mounting plate MP-110

Suitable for mounting plates with data sockets, MP-110 SK and MP-110 SL, see above.



Zinc 20 µm	E-no	White	E-no
MP-956 S	11 183 98	MP-956 V	11 183 99

The letter in the MP No. denotes the surface finish according to: (also see page 4)

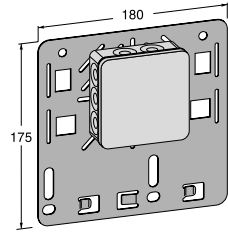
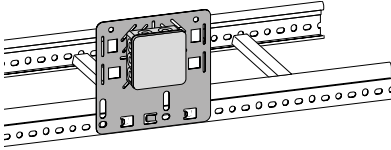
E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Mounting plate + junction box IP65

Mounting plate with pre-installed junction box IP65 in white halogen-free thermoplastic with ten entries. Supplied without terminal block.

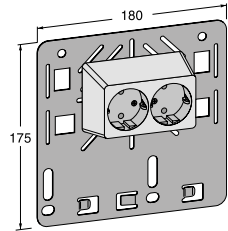
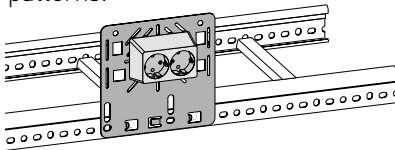
Suitable strain relief - ABB E14 382 73 and terminal block ABB E14 384 01. The plate also has 2+2 positions for data jacks with Actassi and Keystone hole patterns.



**Zinc 20 µm E-no**  
MP-112 SD 11 155 90

## Mounting plate + socket outlet IP21

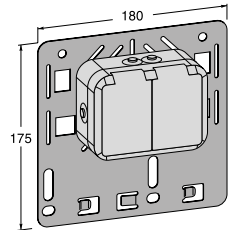
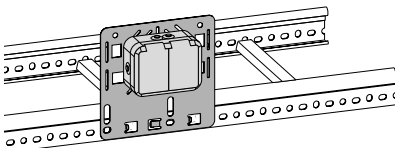
Mounting plate with pre-installed twoway socket outlet (tamper resistant) IP21 in white halogen-free polycarbonate with base plate. The plate also has 2+2 positions for data jacks with Actassi and Keystone hole patterns.



**Zinc 20 µm E-no**  
MP-112 SF 11 155 91

## Mounting plate + socket outlet IP55

Mounting plate with pre-installed two-way enclosed socket outlet IP55 in white halogen-free polycarbonate, tamper resistant. Two neutral through wiring clamps. The plate also has 2+2 positions for data jacks with Actassi and Keystone hole patterns.



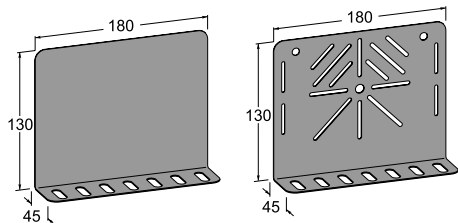
**Zinc 20 µm E-no**  
MP-112 SG 11 155 92

The letter in the MP No. denotes the surface finish according to: (also see page 4)

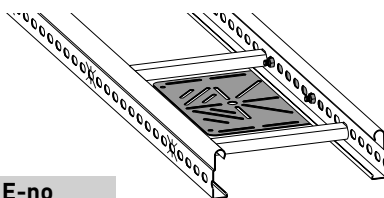
V = White  
B = Beige  
SV = Black  
NCS 2502-Y  
RAL 9005

# Cable ladders

## Mounting plate angled

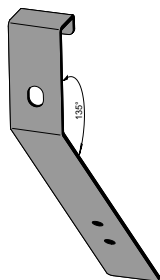


Mounting plate fitted with fastening screws, see page 47.

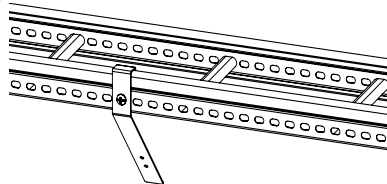


	Zinc 20 µm	E-no	White	E-no
Unperf.	MP-298 S	26 847 35	MP-298 V	11 184 07
Perf.	MP-299 S	26 847 39	MP-299 V	11 184 08

## Luminaire bracket 45°

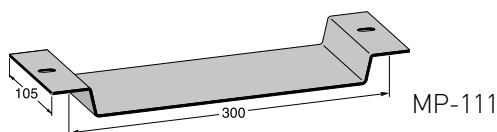


Bracket designed for mounting luminaires on cable ladders (not MP-FZ). The bracket is hung on the side of the cable ladder and is locked in place using fastening screw MP-937, see page 47. Two brackets per luminaire.

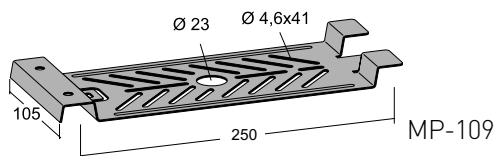


Z4	E-no
MP-119 Z4	11 153 96

## Luminaire plates for all ladder types

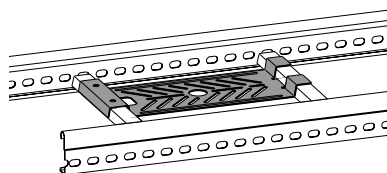


MP-111



MP-109

MP-111 S is intended for ladder type MP-FZ. MP-109 S is intended for MP-S, TS, Z, PZ, PZ4 and Z4.



Zinc 20 µm	E-no	Zinc 60 µm	E-no
MP-111 S	11 155 71	MP-111 Z	11 155 97
MP-109 S	11 155 73	MP-109 Z	11 155 96

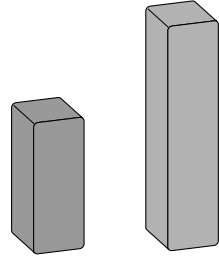
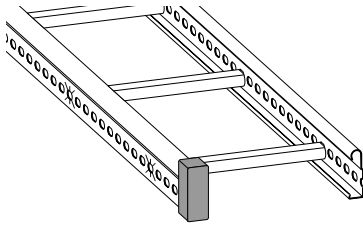
44 The letter in the MP No. denotes the surface finish according to: (also see page 4)

E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## End protection

End protection designed for MP-ladder types.



Suitable ladders	Plastic	E-no
MP-S, LS, TS, Z, PZ, Z4, PZ4	MP-169 P	11 152 92
MP-FZ	MP-170 P	11 152 93

Cable clamp for easy securing of cables.  
Two-step function allowing the clamp to accommodate 3G 1.5 mm<sup>2</sup>  
-5G 2.5 mm<sup>2</sup>. Internal dimension 120 mm.  
20 pcs/pack.

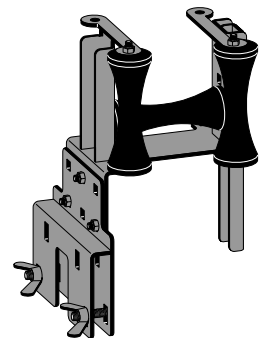
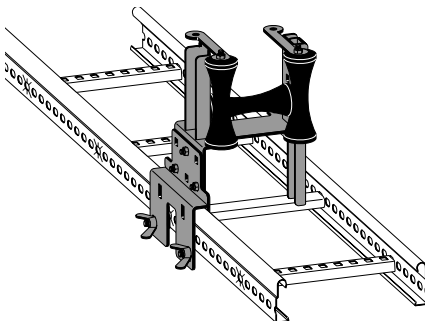


Suitable ladders	Plastic	E-no
MP-S, LS, PZ, Z4, PZ4	MP-M140	15 221 40

## Cable reel

Cable reel suitable for all MP-ladder types and other brands. Installed by a rung and is locked using carriage bolt and wing nut.

5 per package supplied in transport case, of which two cable reels are supplied with two support legs which are fitted against the ladder rung to handle greater loads.



Zinc 10 µm	E-no
MP-242 E	16 004 80

The letter in the MP No. denotes the surface finish according to: (also see page 4)

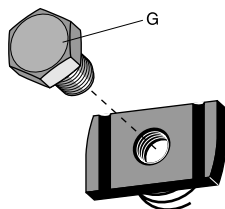
V = White  
B = Beige  
SV = Black

NCS 2502-Y  
RAL 9005

# Cable ladders

## Nut washer for ceiling pendants/anchor rails

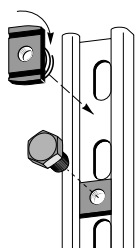
Nut washer with bolt M8/M10, intended for fastening in ceiling pendants/anchor rails.



For installation on ceiling pendant/anchor rail with height H=21 mm select fastening as per the table below:

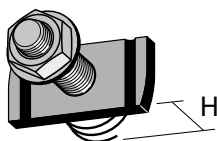
MP-177 -179	Adjustable cantilever arm	M10 x 20 mm.
MP-245	Corner bar	M10 x 20 mm.
MP-942 -943	Support cantilever arm	M10 x 20 mm.
MP-172 -176	Cantilever arm	M10 x 25 mm.
MP-182 -188	Reinforced cantilever arm	M10 x 25 mm.

H-measurement refers to the height of the ceiling pendant/anchor rail.



Suitable for	G	H	Zinc 60 µm	E-no	Acid resist	E-no
MP-V, DV	M8 x 20	21	MP-976 Z	11 157 14		
MP-FV, FDV	M8 x 20	41	MP-977 Z	11 157 15		
MP-V, DV	M10 x 20	21	MP-978 Z	11 157 16	MP-978 R	11 157 19
MP-V, DV	M10 x 25	21	MP-078 Z	11 157 17		
MP-FV, FDV	M10 x 25	41	MP-979 Z	11 157 18		

## T-screw



T-screw for fastening in ceiling pendants/anchor rails. Suitable for profiles with 21 mm and 41 mm height.

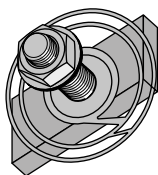
Installation, see diagram above/below.

H-measurement refers to the height of the ceiling pendant/anchor rail.

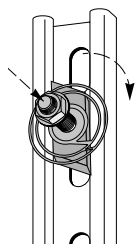
Size	H	Zinc 60 µm	E-no
M8x30	21	MP-080 Z	11 158 72
M10x30	41	MP-079 Z	11 158 15
M10x30	21	MP-076 Z	11 158 14

## T-screw

T-screw for fastening in ceiling pendants/anchor rails. Suitable for profiles with 21 mm and 41 mm height.



1. Placed in the rail opening.
2. Press the screw.
3. The T screw rotates to the right position.



Size	Zinc 10 µm	E-no
M8x25	MP-983 E	11 158 20
M10x35	MP-984 E	11 158 22

The letter in the MP No. denotes the surface finish according to: (also see page 4)

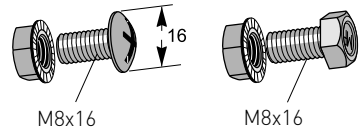
E = Electrogalv. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.

## Fastening screw

Fastening screw used for all screw joints except joining of links on the FZ-ladder.

50 per package.

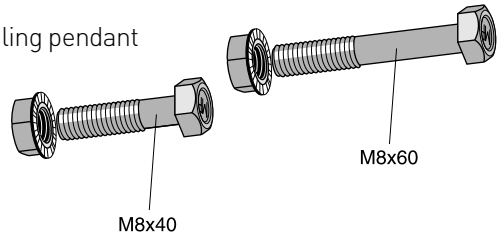


Zinc 10 µm	E-no	Zinc 60 µm	E-no	Zinc 60 µm	E-no
MP-937 E	11 157 11	MP-937 Z	11 156 80	MP-295 R	11 157 80

## Set of screws for ceiling pendants/anchor rails

For installation of support yokes on ceiling pendant MP-DV or FDV with through-bolt.

10 per package.

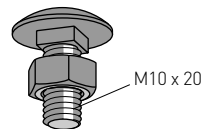


Size	Zinc 60 µm	E-no	Used for
M8 x 40	MP-945 Z	11 157 84	MP-V, DV
M8 x 60	MP-946 Z	11 157 86	MP-FDV, FV

## Carriage bolt and nut M10

M10-bolt and nut for joining and angling FZ-ladders.

50 per package.

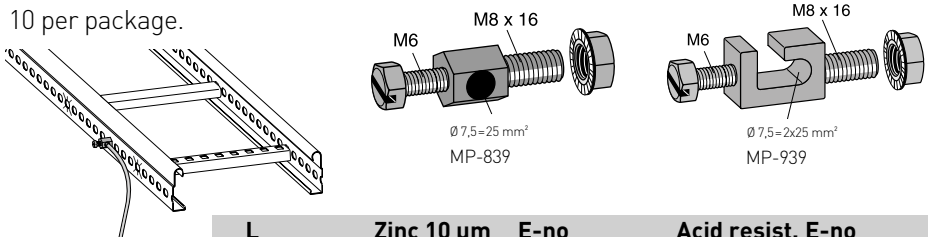


Zinc 60 µm	E-no
MP-947 Z	11 155 85

## Potential connection screw

Connect the conductor directly to the potential connection screw, without a cable lug.

10 per package.



L	Zinc 10 µm	E-no	Acid resist.	E-no
M8 x16	MP-839 E	11 157 88	MP-839 R	11 157 89
M8 x 16	MP-939 E	11 157 83	MP-939 R	11 157 85

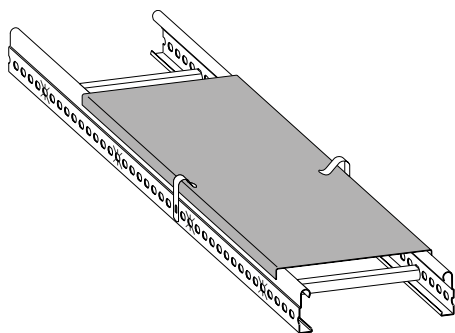
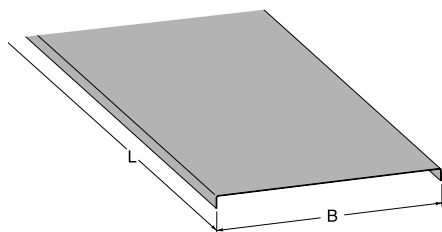
The letter in the MP No. denotes the surface finish according to: (also see page 4)

V = White  
B = Beige  
SV = Black  
NCS 2502-Y  
RAL 9005

# Cable ladders

## Cover

Covers for junctions quoted on request.

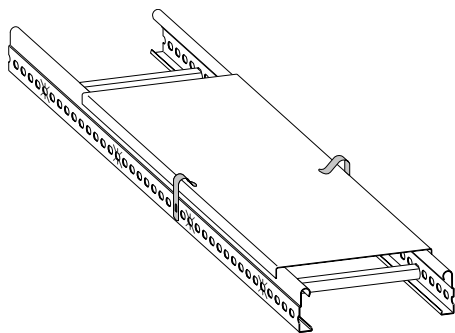
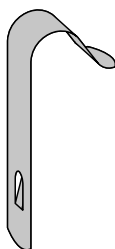


B	Zinc 20µm	E-no	Z4	E-no	White	E-no	L	Thickn.
200	MP-440 S	11 171 79	MP-440 Z4	11 171 78	MP-440 V	11 171 80	3 m	0,6
300	MP-450 S	11 171 97	MP-450 Z4	11 172 15	MP-450 V	11 171 98	2 m	0,6
400	MP-460 S	11 172 00	MP-460 Z4	11 172 16	MP-460 V	11 172 01	2 m	1,0
500	MP-470 S	11 172 03	MP-470 Z4	11 172 19	MP-470 V	11 172 04	2 m	1,0
600	MP-480 S	11 171 95	MP-480 Z4	11 172 20	MP-480 V	11 171 96	2 m	1,0

## Cover clip

MP-401 R for MP-FZ-ladders.  
MP-402 R for other ladder models.

Not for outdoor use.



Stainless steel	E-no
MP-401 R	11 171 50
MP-402 R	11 171 51

The letter in the MP No.denotes the surface finish according to: (also see page 4)

E = Electrogaly. 10 µm  
S = Zinc 20 µm  
Z = Zinc SS-EN ISO1461

A = Aluzinc 20 µm (AZ 150)  
Z4 = Zinc/mag. 25 µm (ZM 310)  
R = Acid resist.