

## Earth clamp, weld-on part

# 6111

### Material

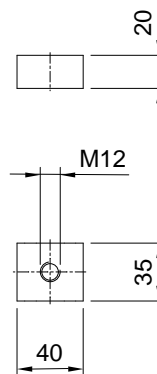
Fe black

### Drawing number

474.00084

### Ordering information

6111 Earth clamp, weld-on part



## Earth clamp for permanent connection, weld-on part

# 6112

### Material

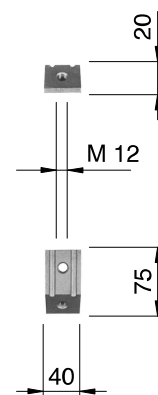
Fe black

### Drawing number

474.00101

### Ordering information

6112 Earth clamp for permanent connection, weld-on part



## Earth clamp for permanent connection to mast

# 6113

### Mast range

HEB profiles 160 / 180-240 / 260

### Fasteners

Supplied complete with U-bolt.

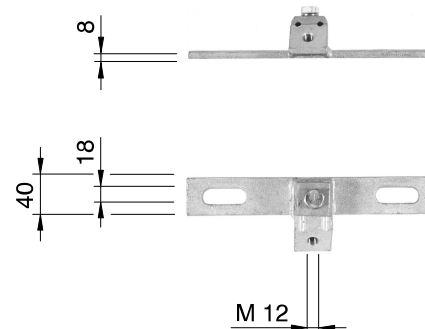
### Drawing number

474.00213, .00357

### Ordering information

on HEB 240

6113.24 Earth clamp for permanent connection to mast



## Earth clamp, temporary on mast

# 6121

### Mast range

HEB profiles 160 / 180-240 / 260

### Fasteners

Supplied complete with U-bolt.

For wire up to max.  $\varnothing$  9 mm

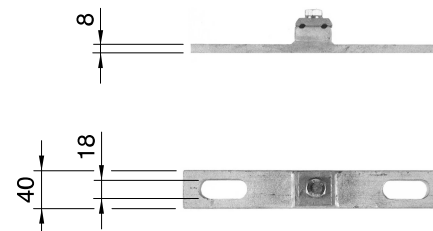
### Drawing number

474.00210, .00358

### Ordering information

on HEB 220

6121.22 Earth clamp, temporary on mast

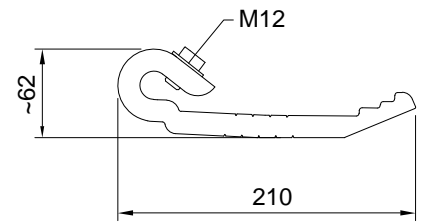


**Material**

Fe galvanized

**Note**For temporary rail connections  
for rail 125 mm / 140 mm / 150 mm**Ordering information**

6122 Earth clamp, temporary on rail

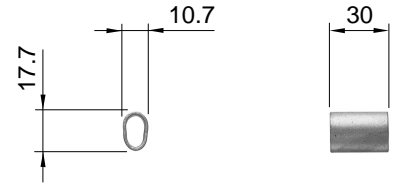


### Sleeve for rail bond

## 6133

**Material**  
Cu

**Ordering information**  
6133 Sleeve for rail bond

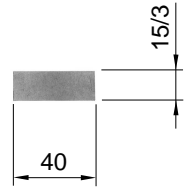


### Retaining plate for earth wire

## 6134

**Material**  
Fe black

**Ordering information**  
6134 Retaining plate for earth wire



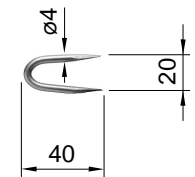
### Staples for earth wire

## 6135

**Material**  
Fe galvanized

**Note**  
Unit solid 0,5 kg (approx. 75 Staples)

**Ordering information**  
6135 Staples for earth wire



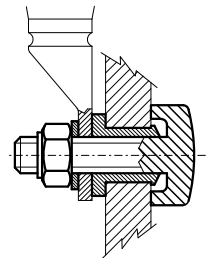
### Earthing connection to rail, on one side

## 6137

**Material**  
Sleeve Cu  
Bolt Fe stainless

Type	Thread M (mm)
10	M10
12	M12

**Ordering information**  
M12  
6137.12 Earthing connection to rail, on one side



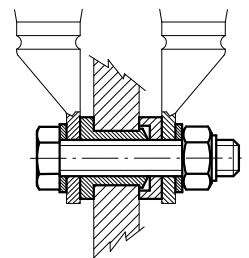
### Earthing connection to rail, on both sides

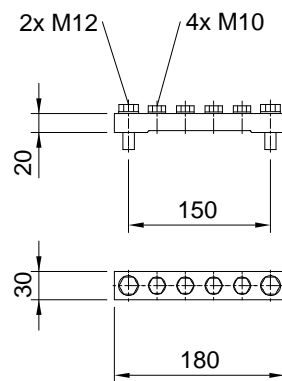
## 6138

**Material**  
Sleeve Cu  
Bolt Fe stainless

Type	Thread M (mm)
10	M10
12	M12

**Ordering information**  
M10  
6138.10 Earthing connection to rail, on both sides





**Material**  
hot-dip galvanised, A2/A4

**Note**  
For masts with holes in  
base plate 1212, 1222.1

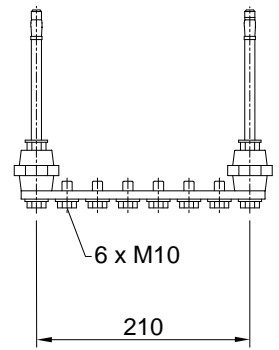
**Ordering information**  
6140 Busbar 4-fold

**Note**

For insulated fixing to concrete wall

**Ordering information**

6141 Busbar 6-fold with insulaors



## Earth rope clamp for square section, rope 50-150 mm<sup>2</sup>

# 6211

### Mast range

HEB profiles 100 / 120 / 140 / 160-200 / 220-260

### Note

Supplied complete with U-bolts.

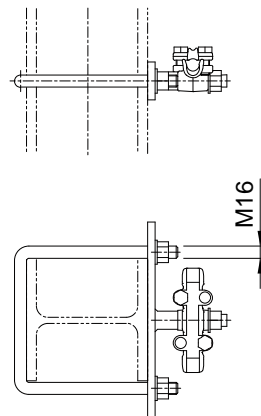
### Drawing number

472.00006, .00019

### Ordering information

on HEB 220

6211.22 Earth rope clamp for square section,  
rope 50-150 mm<sup>2</sup>



## Earth rope clamp for square section, Aldrey rope 200-300 mm<sup>2</sup>

# 6211.1

### Mast range

HEB profiles 100 / 120 / 140 / 160-200 / 220-260

### Note

Supplied complete with U-bolts.

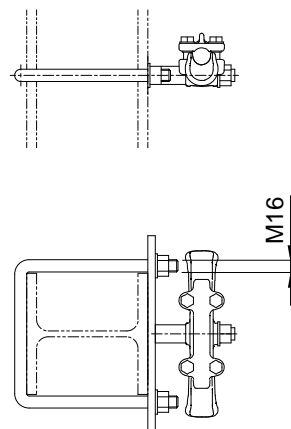
### Drawing number

472.00270, .00273, .00273-1, .00273-2

### Ordering information

on HEB 220

6211.1.22 Earth rope clamp for square section,  
Aldrey rope 200-300 mm<sup>2</sup>



## Offset earth rope clamp for square section, rope 50-150 mm<sup>2</sup>

# 6212

### Mast range

HEB profiles 100-140 / 160-200 / 220-260

Type	A (mm)
10	255
12	255
14	255
16	225
18	225
20	225
22	195
24	195
26	195

### Note

Supplied complete with U-bolts.

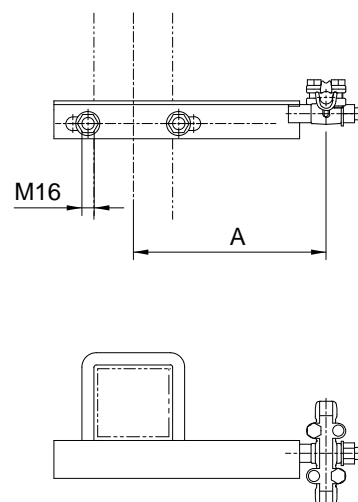
### Drawing number

472.00035

### Ordering information

on HEB 100

6212.10 Offset earth rope clamp for square section,  
rope 50-150 mm<sup>2</sup>



**Mast range**

HEB profiles 100-140 / 160-200 / 220-260

Type	A (mm)
10	266
12	266
14	266
16	236
18	236
20	236
22	206
24	206
26	206

**Note**

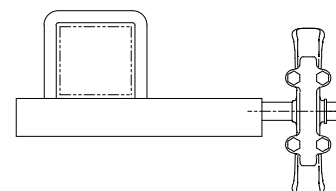
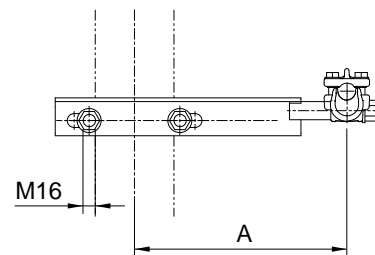
Supplied complete with U-bolts.

**Drawing number**

472.00035-3

**Ordering information**

on HEB 100

6212.1.10 Offset earth rope clamp for square section,  
Aldrey rope 200-300 mm<sup>2</sup>**Mast range**

HEB profiles 160-200 / 220-260

Type	L (mm)
05	500
10	1000

**Fasteners**

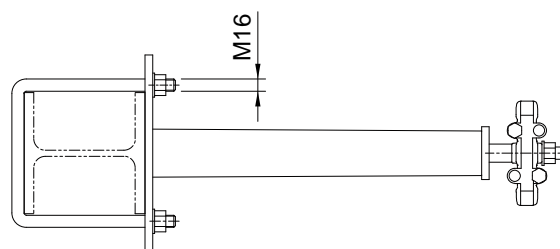
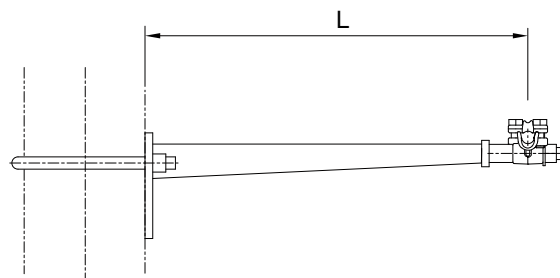
Supplied complete with U-bolts.

**Drawing number**

412.00143, .00143-1

**Ordering information**

Length 500 mm, on HEB 240

6213.05.24 Stand-off for earth rope 50-150 mm<sup>2</sup>

**Mast range**

HEB profiles 160-200 / 220-260

Type	L (mm)
05	500
10	1000

**Fasteners**

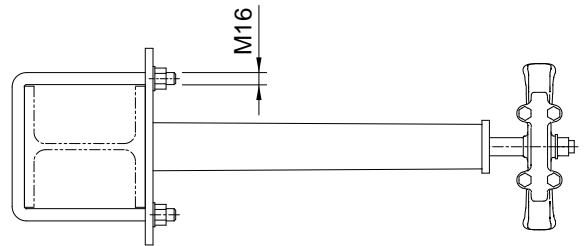
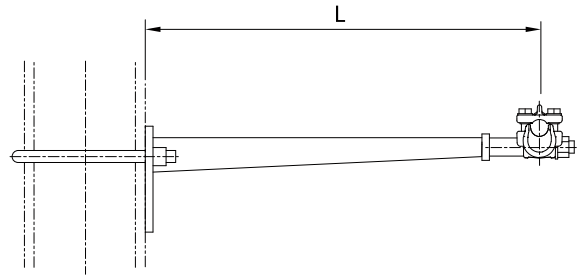
Supplied complete with U-bolts.

**Drawing number**

412.00398, .00398-1

**Ordering information**

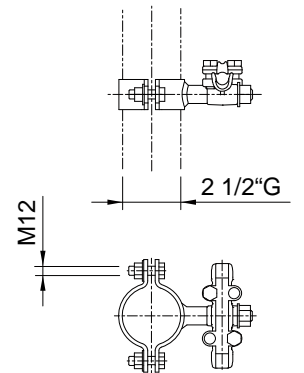
Length 1000 mm, on HEB 220

6213.1.10.22 Stand-off for earth rope  
Aldrey 200-300 mm<sup>2</sup>Earth rope clamp, rope 50-150 mm<sup>2</sup>, for 2 1/2" G tube

## 6214

**Drawing number**

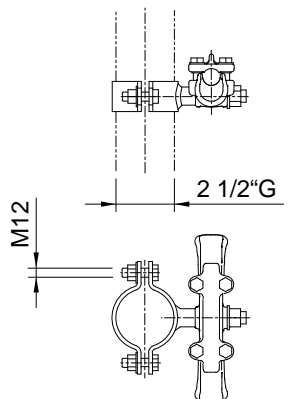
472.00009

**Ordering information**6214 Earth rope clamp, rope 50-150 mm<sup>2</sup>,  
for 2 1/2" G tubeEarth rope clamp, Aldrey rope 200-300 mm<sup>2</sup>, for 2 1/2" G tube

## 6214.1

**Drawing number**

472.00009-2

**Ordering information**6214.1 Earth rope clamp, Aldrey rope 200-300 mm<sup>2</sup>,  
for 2 1/2" G tube

## Twin earth rope clamp, offset, rope 50-150 mm<sup>2</sup>

# 6215

### Mast range

HEB profiles 120

### Note

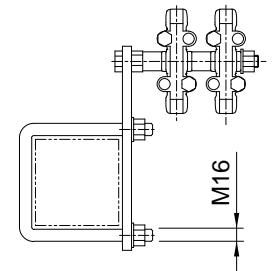
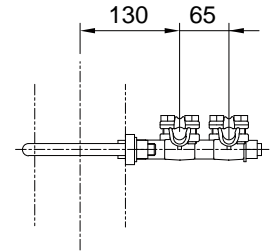
Supplied complete with U-bolts.

### Drawing number

962.00311

### Ordering information

6215 Twin earth rope clamp, offset, rope 50-150 mm<sup>2</sup>



## Earth rope clamp for cantilever, rope 50-150 mm<sup>2</sup>

# 6216

### Type Cantilever

1	I and II
2	III / 65
3	III / 100

### Note

Supplied complete with U-bolts.

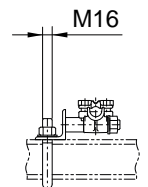
### Drawing number

472.00038, .00045, .00046

### Ordering information

on cantilever I and II

6216.1 Earth rope clamp for cantilever



## Earth rope clamp for pull-off arm, rope 50-150 mm<sup>2</sup>

# 6217

### Note

On pull-off arm for cantilever type III and on cantilever type IV with pull-off arm.

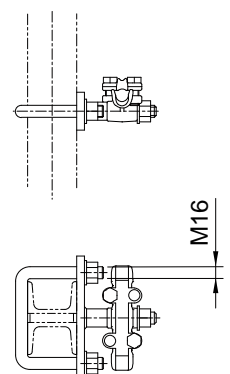
Supplied complete with U-bolts.

### Drawing number

472.00006-1

### Ordering information

6217 Earth rope clamp for pull-off arm, rope 50-150 mm<sup>2</sup>



Type	Gantry
1	60 - 90
2	100 - 130

**Note**

Length L min. 1,5 m  
 Length L max. 2,5 m  
 Available in steps of 0,5 m.  
 Supplied complete with U-bolts.

**Associated parts**

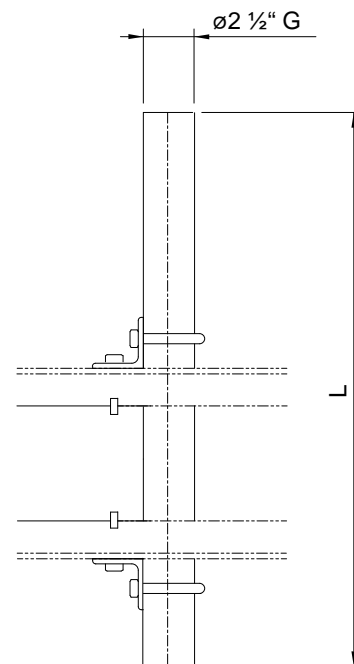
Earth rope clamp 6214

**Drawing number**

472.00053, .00300

**Ordering information**

on gantry beam 60-90, length 2,00 m  
 6218.1.20 Tube for earth rope clamp on gantry beam



Earth rope clamp for drop bracket from gantry or upright on gantry, rope 50-150 mm<sup>2</sup>

**Note**

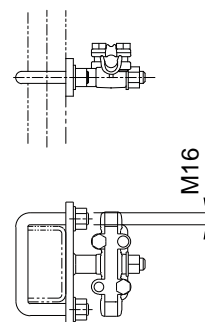
On U 100 / 50 at drop bracket  
 from gantry or upright on gantry  
 Supplied complete with U-bolts.

**Drawing number**

472.00158

**Ordering information**

6219 Earth rope clamp for drop bracket  
 from gantry or upright on gantry,  
 rope 50-150 mm<sup>2</sup>



## Clip for earthing rod on conductor rail support

# 6222

### Material

Al

### Note

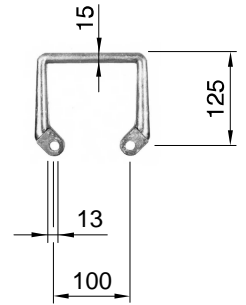
Fastening to swivel head 2642

### Drawing number

962.00811

### Ordering information

6222 Clip for earthing rod on  
conductor rail support



## Clip for earthing rod on conductor rail

# 6223

### Material

Fe stainless / Al

### Note

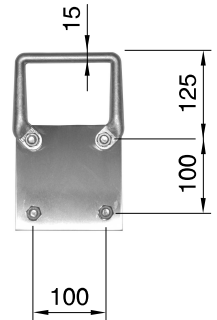
Fastening to rigid bar 4611

### Drawing number

962.00515

### Ordering information

6223 Clip for earthing rod on  
conductor rail



**Material**

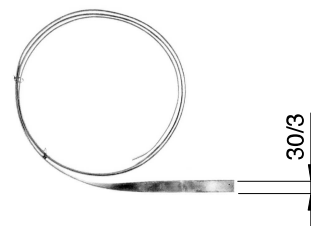
Cu

**Note**

When ordering, state length.

**Ordering information**

6241 Copper strip soft, for earthing



**Material**  
Synthetic

Type	M (mm)	t (mm)	D1 (mm)	D2 (mm)	drilling (ømm)
10	10	4 - 6	30	16.0	17 - 18
12	12	8 - 12	32	16.0	17 - 18
16	16	10 - 15	38	20.0	21 - 23
20	20	13 - 19	45	25.0	26 - 28
24	24	18 - 27	52	28.3	30 - 32
30	30	30 - 45	70	35.5	37 - 39
36	36	33 - 49	80	40.0	42 - 45

**Note**

To increase the contact resistance between screws and the base plate.  
Special applications upon consultation with the design department.

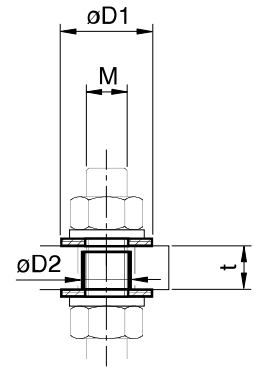
**Drawing number**

428.00026

**Ordering information**

for M30

6311.30 Insulating set for bolts



**Material**

Washer Synthetic  
Sleeve Synthetic

**Note**

Foundation anchor stirrup 1131  
Anchor rope  $\varnothing$  20 mm 1311.2

**Resistance**

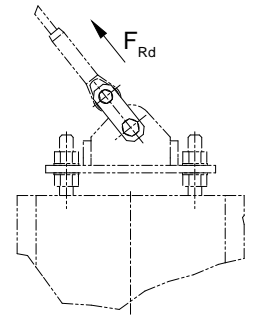
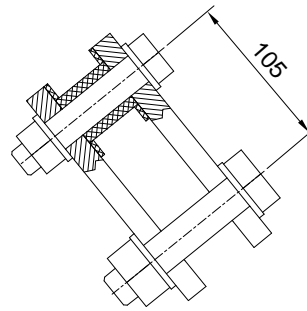
$F_{Rd}$  (kN) = 104

**Drawing number**

336.00032

**Ordering information**

6321 Insulating set for anchor connection



**Note**

In place of the insulator bolt  $\varnothing$  16 mm.

**Associated parts**

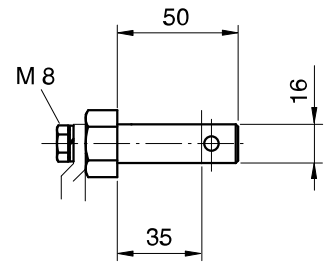
Cable lug 4513

**Drawing number**

472.00013

**Ordering information**

6331 Pin for earth connection



**Type Used for**

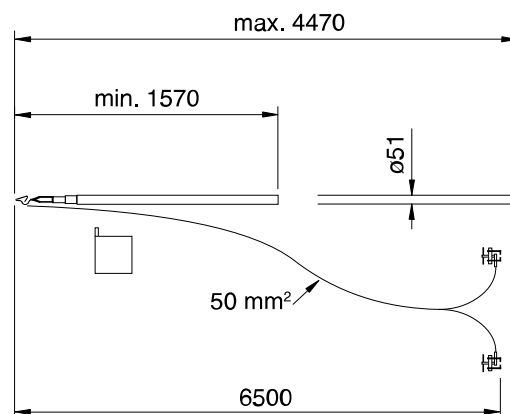
1 connection to rail

**Note**

Supplied complete with signal flag.  
Order bag for carrying  
and storage separately.  
Suspension arrangement 6441 onw

**Ordering information**

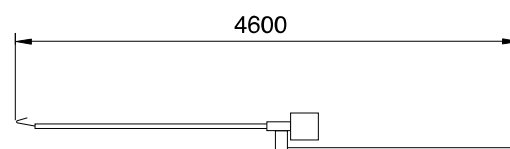
6414.1 Four-part telescopic earthing rod

**Note**

For 15 kV / 16.7 Hz. With optical indication,  
built-in test system and bag  
for carrying and storage.  
Transport length 2,40 m.

**Ordering information**

6415 Two-piece voltage tester



**Mast range**

HEB profiles 160-260

**Note**

Rod supports and tube holders are included.

**Fasteners**

Supplied complete with U-bolts.

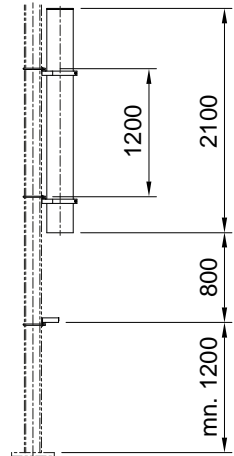
**Drawing number**

474.00068

**Ordering information**

on HEB 180

6422.18 Protective tube for earthing rod



Type	Electric contact	D Earthing-rod (mm)
01.30	without	30
01.40	without	40
02.30	included	30
02.40	included	40

**Note**

Fastening according to local conditions. Includes locking device and bracket for earthing rod.

Type with lock cylinder, Key relation 1:1.

Other key relations and individual solutions on request.

Not suitable for unprotected outdoor applications.

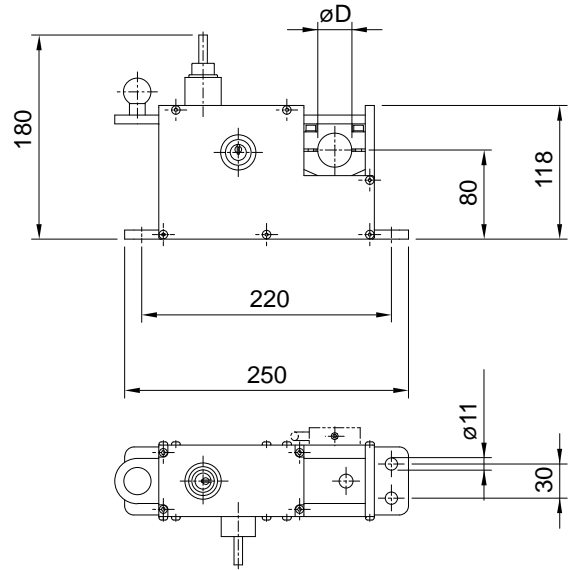
**Drawing number**

585.00037, .00114, .00122, .00123

**Ordering information**

for earthing rod  $\varnothing$  30 mm

6431.1.01.30 Locking device for earthing rod without pressure contact



Type	$\varnothing D$ Earthing-rod (mm)
30	30
40	40

Type	Key-bolt form
Re	Rectangular
Tr	Trapezium
Hk	Semicircle
Hm	Crescent
Wa	Shield
Kr	Cross
De	Triangle
ZY	Lock

**Note**

When ordering please state key-bolt form, or if with lock. Delivered complete with key.

**Associated parts**

Cross arm on mast 6437 onw

**Dependency**

If the earthing rod is locked, the key is free. The earthing rod is free, if the key is locked.

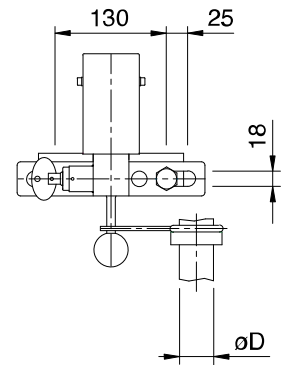
**Drawing number**

474.00146-1, .00498-1

**Ordering information**

with electrical push contact, for earthing rod  $\varnothing$  30 mm, with a key-bolt "Trapezium"

6432.1.30.Tr Earthing rod lock with contact and 1 key-bolt



Type	øD Earthing-rod (mm)
30	30
40	40

Type	Key-bolt form
Re	Rectangular
Tr	Trapezium
Hk	Semicircle
Hm	Crescent
Wa	Shield
Kr	Cross
De	Triangle
ZY	Lock

**Note**

When ordering please state key-bolt form, or if with lock. Delivered complete with key.

**Associated parts**

Cross arm on mast 6437 onw

**Dependency**

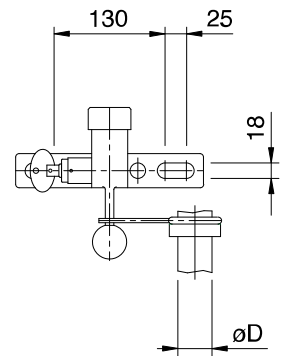
If the earthing rod is locked, the key is free. The earthing rod is free, if the key is locked.

**Drawing number**

474.00146, .00498

**Ordering information**

without electrical push contact, for earthing rod ø 30 mm, with a key-bolt "Cross"  
6432.2.30.Cr Earthing rod lock with 1 key-bolt



Type	øD Earthing-rod (mm)
30	30
40	40

Type	Key-bolt form
Re	Rectangular
Tr	Trapezium
Hk	Semicircle
Hm	Crescent
Wa	Shield
Kr	Cross
De	Triangle
ZY	Lock

**Note**

When ordering please state key-bolt form, or if with lock. Delivered complete with key.

**Associated parts**

Cross arm on mast 6437 onw

**Dependency**

If the earthing rod is locked, the keys are free. The earthing rod is free, if the keys are locked.

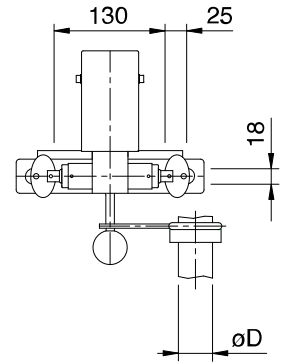
Other dependencies on request.

**Drawing number**

474.00149-1, .00524-1

**Ordering information**

with electrical push contact, for earthing rod ø 30 mm, with a key-bolts "Cross" and "Crescent"  
 6432.3.30.Cr.Hm Earthing rod lock with contact and 2 key-bolts



Type	øD Earthing-rod (mm)
30	30
40	40

Type	Key-bolt form
Re	Rectangular
Tr	Trapezium
Hk	Semicircle
Hm	Crescent
Wa	Shield
Kr	Cross
De	Triangle
ZY	Lock

**Note**

When ordering please state key-bolt form, or if with lock. Delivered complete with key.

**Associated parts**

Cross arm on mast 6437 onw

**Dependency**

If the earthing rod is locked, the keys are free. The earthing rod is free, if the keys are locked.

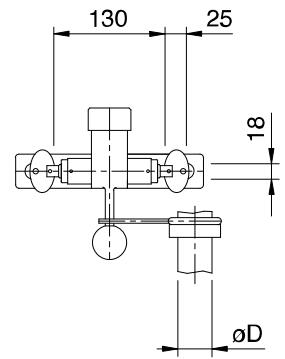
Other dependencies on request.

**Drawing number**

474.00149, .00524

**Ordering information**

without electrical push contact, for earthing rod ø 30 mm, with a key-bolts "Cross" and "Lock"  
6432.4.30.Cr.ZY Earthing rod lock with 2 key-bolts



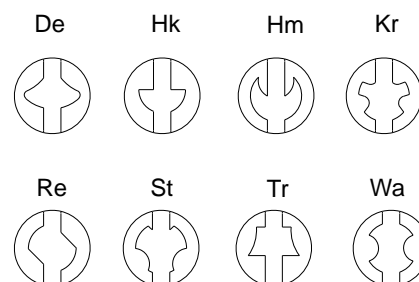
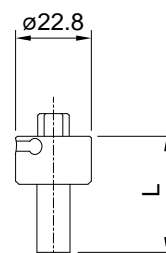
Type	L (mm)	Used for
1	24	6431
2	35	6432.1

Type	Key-bolt form
Re	Rectangular
Tr	Trapezium
Hk	Semicircle
Hm	Crescent
Wa	Shield
Kr	Cross
De	Triangle

**Note**  
Key 7232

**Drawing number**  
585.00030

**Ordering information**  
for article 6431, Semicircle  
6433.1.Hk Key-bolt for earthing rod  
lock



## Key holder box mechanical, multiplication type

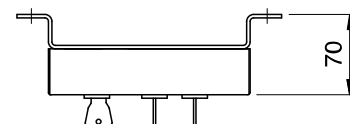
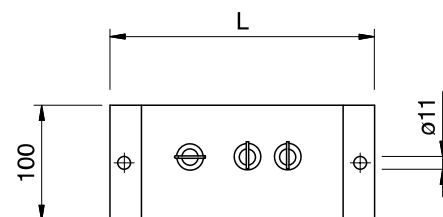
## 6435

Type	Key relation	L (mm)
02	1:2	230
03	1:3	265
04	1:4	300
05	1:5	335
06	1:6	370

**Note**  
Fastening according to local conditions.  
Other key relations and individual  
solutions on request.  
Key system SEA  
Not suitable for unprotected  
outdoor applications.

**Drawing number**  
474.00105-1 - .00105-5

**Ordering information**  
Key relation 1:3, Systeme SEA  
6435.03.S Key holder box mechanical,  
multiplication type



Type	Key relation	L (mm)
01	1:1	195
02	1:2	230
03	1:3	265
04	1:4	300

**Note**

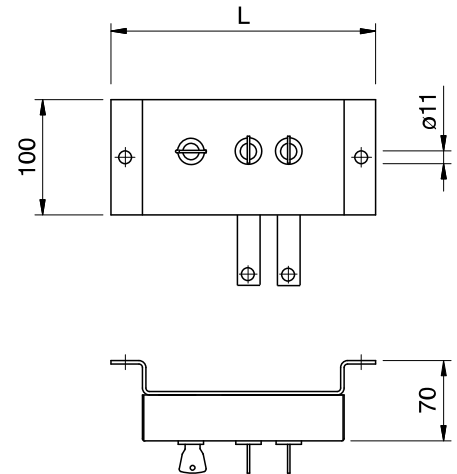
Fastening according to local conditions.  
Other key relations and individual solutions on request.  
Key system SEA  
Not suitable for unprotected outdoor applications.

**Drawing number**

474.00104, .00104-1 - .00104-3

**Ordering information**

Key relation 1:3, Systeme SEA  
6436.03.S Key holder box mechanical, multiplication type with inserts

**Pole range**

Section HEB 160 / 180-240 / 260

**Fasteners**

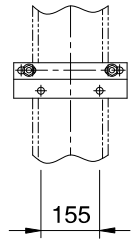
Supplied complete with bolt and U-bolts.

**Drawing number**

474.00250 - .00252

**Ordering information**

on HEB 180  
6437.18 Cross arm for fastening earthing rod lock on mast

**Pole range**

Section HEB 160 / 180-240 / 260

**Fasteners**

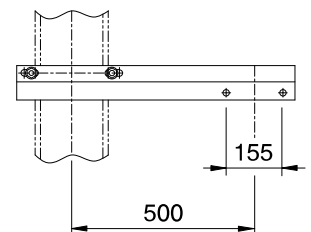
Supplied complete with bolts and U-bolts.

**Drawing number**

474.00119-1, .00414, .00415

**Ordering information**

on HEB 180  
6438.18 Cross arm for fastening earthing rod lock on mast, offset



**Mast range**

HEB profiles 160-260

Type	kV	L (mm)
1	1.5	350
2	15.0	500

**Note**

Earthing rod [6411](#) onw  
Protective tube 6422

**Fasteners**

Supplied complete with U-bolts.

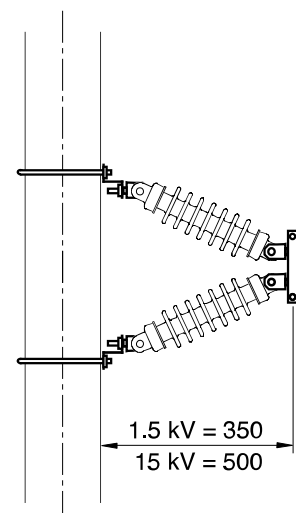
**Drawing number**

474.00258, .00259

**Ordering information**

Type 1 on HEB 240

6441.1.24 Suspension arrangement for  
section-free earthing

**Mast range**

HEB profiles 160-260

**Note**

Earthing rod [6411](#) onw  
Protective tube 6422

**Fasteners**

Supplied complete with U-bolts.

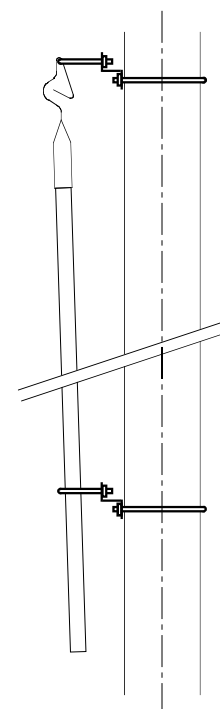
**Drawing number**

474.00378

**Ordering information**

on HEB 200

6442.20 Suspension set for earthing  
rod



## Mast number plate holder, three digits

# 6711

### Material

Fe stainless

Type	HEB (mm)	L (mm)
16	160	210
18	180	210
20	200	250
22	220	250
24	240	290
26	260	290

### Note

Number plate 6721 onw

### Fasteners

Supplied complete with U-bolts.

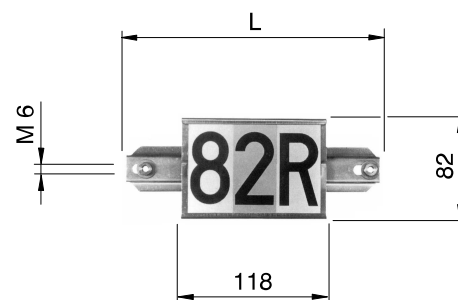
### Drawing number

584.00001

### Ordering information

on HEB 200

6711.20 Mast number plate holder, three digits



## Number plate holder, bold fixation

# 6713

### Material

Fe stainless

Type	Digits	Used for
3.1	3	wooden and round poles
3.2	3	int tunnel, on masonry

### Note

Number plate 6721 onw

Supplied with bolts

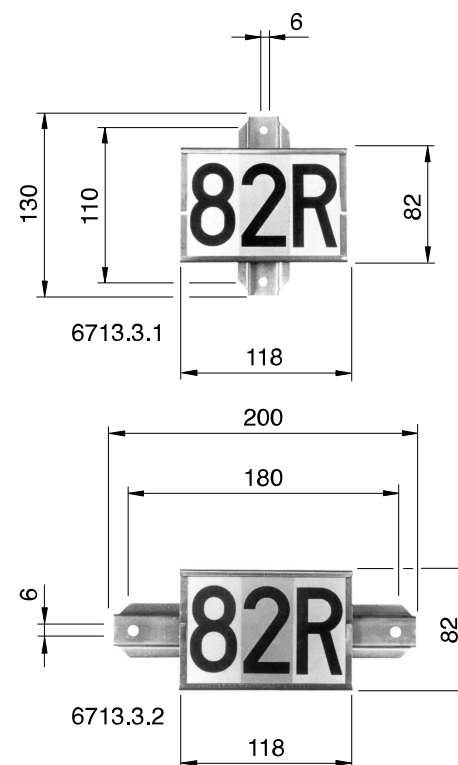
### Drawing number

584.00002, .00023

### Ordering information

3 digits, on wooden and round poles

6713.3.1 Number plate holder, bold fixation

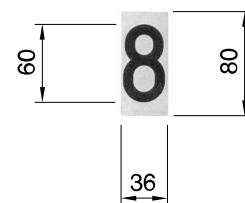


**Number plate****6721****Material**Al anodised  
Digits black**Note**

Digits 0 - 9 available.

**Drawing number**

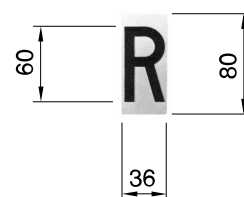
584.00006

**Ordering information**Digit 8  
6721.8 Number plate**Letter plate****6722****Material**Al anodised  
Letters black**Note**

Entire alphabet available.

**Drawing number**

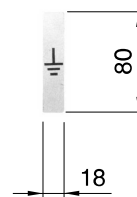
584.00006-1

**Ordering information**Letter R  
6722.R Letter plate**Earthing symbol****6723****Material**Al anodised  
Symbol black**Drawing number**

584.00015

**Ordering information**

6723 Earthing symbol

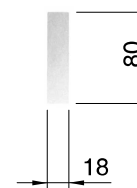
**Blank plate****6724****Material**

Al anodised

Type	L (mm)
1	18
2	36

**Drawing number**

584.00006-2

**Ordering information**Width 18 mm  
6724.1 Blank plate

**Mast range**

HEB profiles 180-260

**Material**

Al

**Note**

Supplied complete with U-Bolt M6

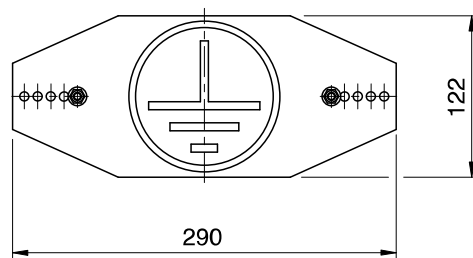
**Drawing number**

584.00039

**Ordering information**

for HEB 220

6725.22 Earthing plate

**Type Description****1.00** without junction box and cable**1.05** with junction box and 5 m cable**Note**

Fastening as per local situation.

DB AG authorization.

Other signal aspects on request.

Other cable lengths available on request.

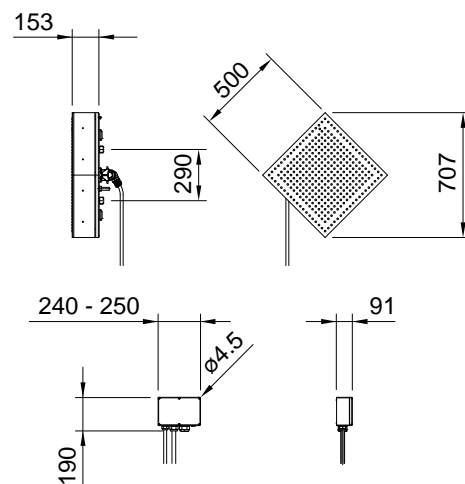
**Drawing number**

581.00086, .00087

**Ordering information**

LED signal EL6 with junction box and cable

6731.1.05 LED signal EL6



Type	A (mm)	B (mm)	C (mm)	D (mm)	Description
1.00	500 x 500	290	750	1000	without junction box and cable
1.05	500 x 500	290	750	1000	with junction box and 5 m cable
2.00	300 x 300	170	450	600	without junction box an cable
2.05	300 x 300	170	450	600	with junction box and 5 m cable

**Note**

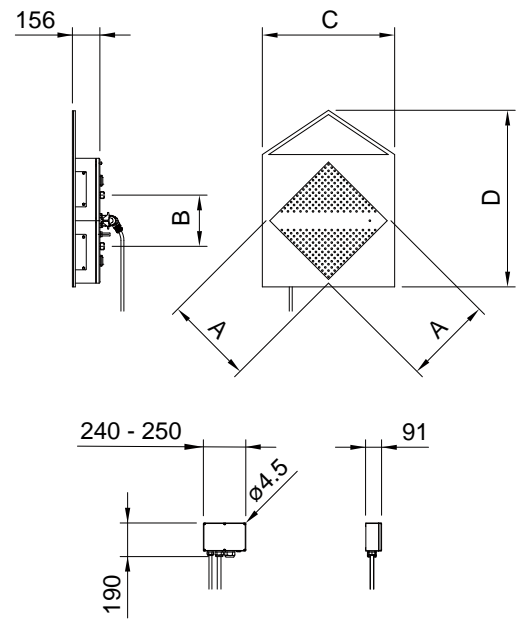
Fastening of the signal as per local situation.  
Other cable lengths available on request.

**Drawing number**

581.00076, .00077, .00111, .00119

**Ordering information**

500 x 500 with junction box and cable  
6732.1.05 Lower pantograph signal 705 LED



## LED dead section advanced signal 709

Type	Description
1.00	without junction box and cable
1.05	without junction box and 5 m cable

**Note**

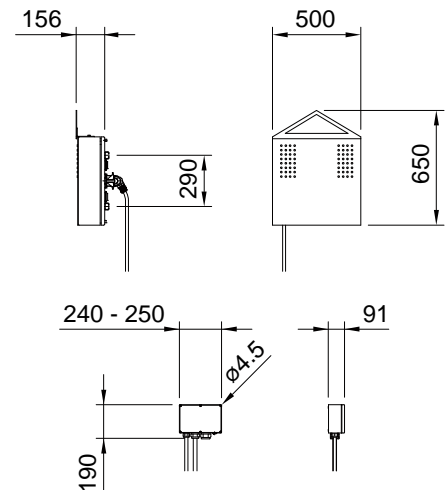
Fastening as per local situation.  
Other cables lengths available on request.

**Drawing number**

581.00114, .00177

**Ordering information**

without junction box and cable  
6733.1.00 LED dead section advanced signal 709



## LED dead section power off signal 711

Type	Description
1.00	without junction box and cable
1.05	with junction box and 5 m cable

**Note**

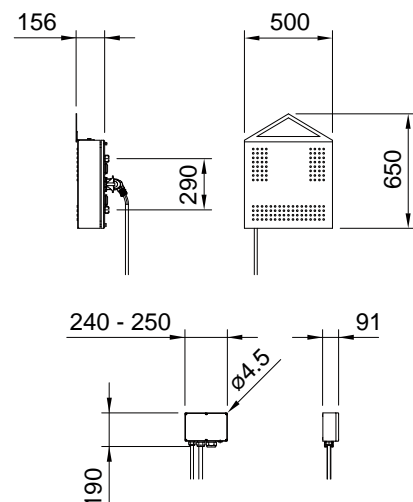
Fastening as per local situation.  
Other cable lengths available on request.

**Drawing number**

581.00115, .00178

**Ordering information**

without junction box and cable  
6734.1.00 LED dead section power off signal 711



**Type Description****1.00** without junction box and cable**1.05** with junction box and 5 m cable**Note**

Fastening as per local situation.

Other cable lengths available on request

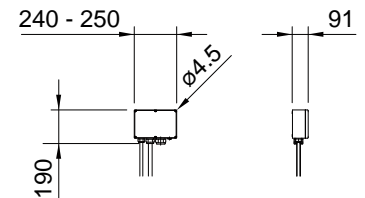
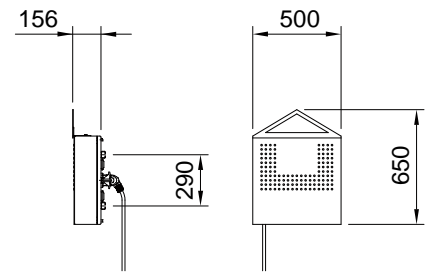
**Drawing number**

581.00116 .00179

**Ordering information**

with junction box and 5 m cable

6735.1.05 LED dead section power on signal 713



## Lower pantograph signal

# 6741

### Material

Aluminium plate with adhesive film, reflective  
Background yellow, mark black

### Type Description

1	large signal
2	small signal

### Note

Can be used as a lower pantograph signal  
or section end sign.

### Associated parts

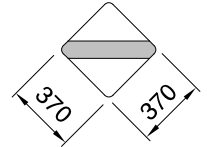
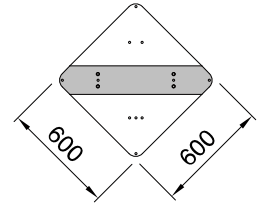
Holder 6743 / 6744  
Swivel device 6791 onw

### Drawing number

581.00033, .00034

### Ordering information

Type 2, small sign  
6741 Lower pantograph signal



## Holder for lower pantograph sign

# 6743

### Note

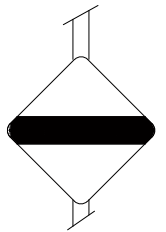
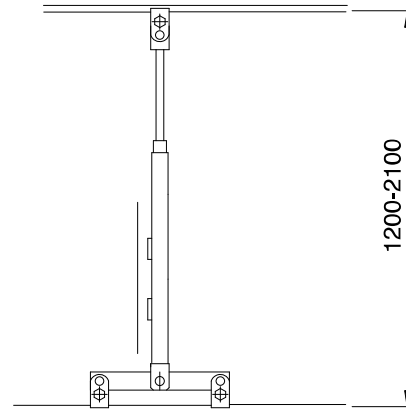
Order the plate separately.

### Drawing number

582.00009

### Ordering information

6743 Holder for lower pantograph sign



## Holder for lower pantograph sign, small

# 6744

### Note

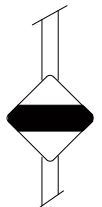
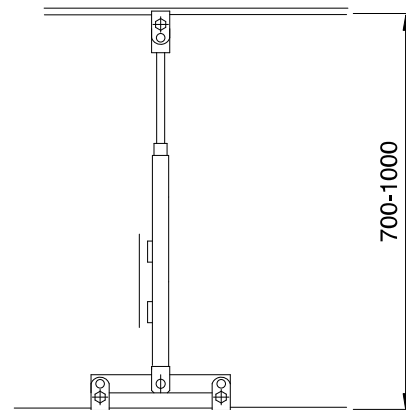
Order panel separately

### Drawing number

582.00010

### Ordering information

6744 Holder for lower pantograph  
sign, small



## Sectioning sign

### Mast range

HEB profiles 160-260

### Material

Steel plate enamelled

### Fasteners

Supplied complete with U-bolts.

### Drawing number

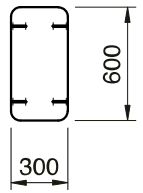
581.00039

### Ordering information

on HEB 220

6751.22 Sectioning sign

## 6751



## Neutral section power off sign

### Material

Aluminium plate with adhesive film, reflective  
Background yellow, mark black

Type	Description
------	-------------

1	large signal
---	--------------

2	small signal
---	--------------

### Drawing number

581.00036, .00036-1

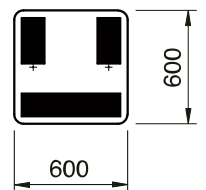
### Ordering information

Type 1, large sign

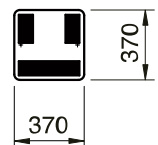
6752.1 Neutral section power off sign

## 6752

6752.1



6752.2



## Dead section power on sign

### Material

Aluminium plate with adhesive film, reflective  
Background yellow, mark black

Type	Description
------	-------------

1	large signal
---	--------------

2	small signal
---	--------------

### Note

|

### Drawing number

581.00037, .00037-1

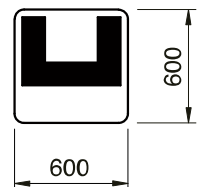
### Ordering information

Type 2, small sign

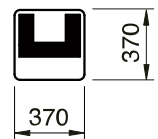
6753.2 Dead section power on signal

## 6753

6753.1



6753.2



## Neutral section distant signal

# 6754

### Material

Aluminium plate with adhesive film, reflective  
Background yellow, mark black

### Type Description

1	large signal
2	small signal

### Drawing number

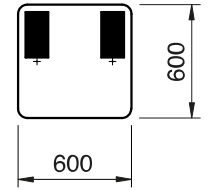
581.00123, .00123-1

### Ordering information

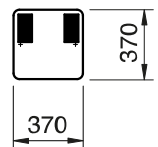
Type 1, large signal

6754.1 Neutral section distant signal

6754.1



6754.2



## Lower pantograph distant signal

# 6755

### Material

Aluminium plate with adhesive film, reflective  
Background yellow, mark black

### Type Description

1	large signal
2	small signal

### Drawing number

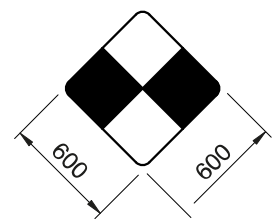
581.00038, .00038-1

### Ordering information

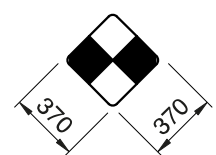
Type 2, small signal

6755.2 Lower pantograph distant signal

6755.1



6755.2



**Mast range**

HEB profiles 160-260

**Material**

Al-cast

Background yellow, script black

**Type Language**

Type	Language
D	German
F	French
I	Italian

**Fasteners**

Supplied complete with U-bolts.

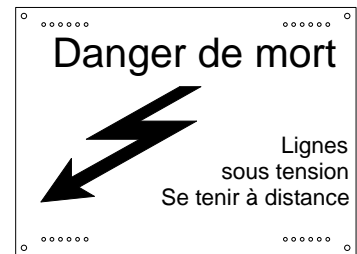
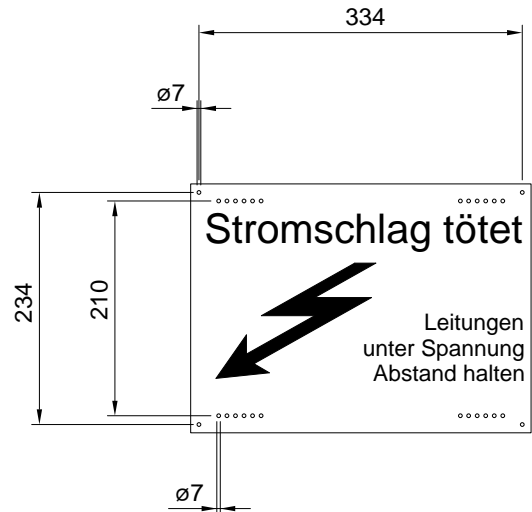
**Drawing number**

581.00101, .00102

**Ordering information**

German, on HEB 220

6761.D.22 Warning sign on mast



**Material**

Al-cast  
Background yellow, script black

**Type Language**

Type	Language
D	German
F	French
I	Italian

**Note**

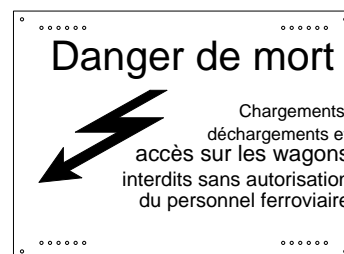
When fitting to HEB 160-260 mast:  
order U-bolt 3111 separately

**Fasteners**

Order with bolts and dowels for fastening  
to walls separately

**Ordering information**

Italian  
6762.I Warning sign for loading areas



**Material**

Al-cast  
Background yellow, script black

**Type Language**

<b>D</b>	German
<b>F</b>	French
<b>I</b>	Italian

**Note**

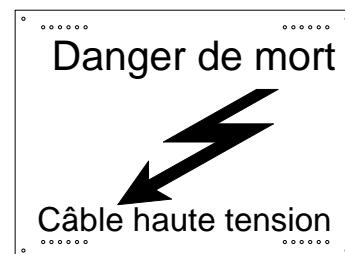
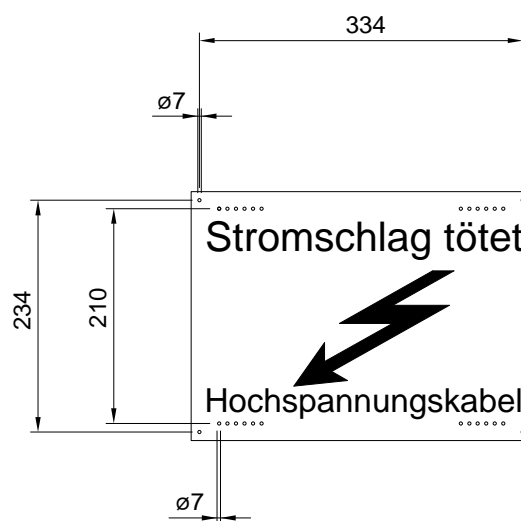
When fitting to HEB 160-260 mast:  
order U-bolt 3111 separately

**Fasteners**

Order with bolts and dowels for fastening  
to walls separately

**Ordering information**

French  
6762.1.F Warning sign  
for high voltage cable

**Material**

Al-cast  
Background yellow, mark black

**Associated parts**

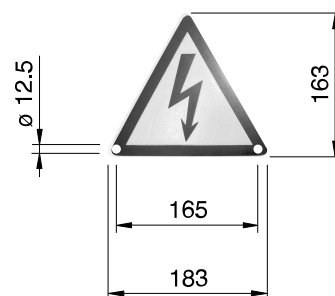
Clamp for crossing rod 4242

**Drawing number**

581.00021

**Ordering information**

6763 Warning sign



Type	Description
1	with warning sign
2	without warning sign

**Note**

For fastening the warning sign  
at cantilever tube  $\varnothing 48 / 1\ 1/2''$ .

**Associated parts**

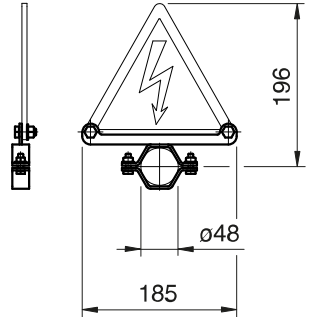
Warning sign 6763  
Porter tube 5524

**Drawing number**

581.00105, .00148

**Ordering information**

with warning sign  
6764.1 Bracket complete



Type	Profile (mm)	L (mm)
10	100 x 100	180
12	120 x 120	200

**Note**

LED signal adjustable from side )V°)  
 x = Connecting dimension for LED signal

**Fasteners**

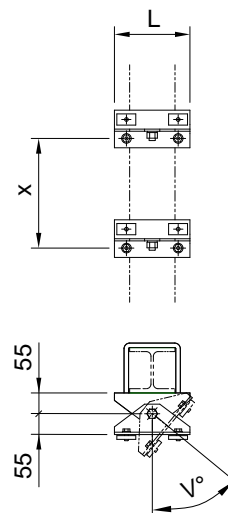
Supplied complete with U-bolts

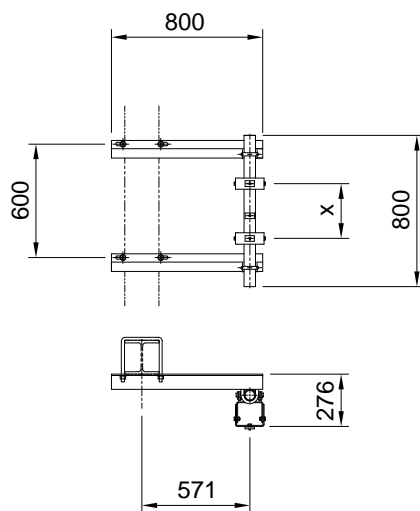
**Drawing number**

582.00104, .00104-1

**Ordering information**

on profile 120 x 120  
 6771.0.12 Mounting bracket for  
 LED signal on square profile 120





**Mast range**

HEB profile 180 - 260

**Note**

LED signal adjustable from side  
 x = Connecting dimension for LED signal

**Associated parts**

LED signal 6731 onw

**Fasteners**

Supplied complete with U-bolts

**Drawing number**

582.00099, 00099-1

**Ordering information**

on HEB 220  
 6771.1.22 *Mounting bracket lateral  
 for LED-signal on mast HEB 220*

Type	S (mm)	Joug (mm)
26	260	J60 - J90
40	400	J60 - J130

**Note**

LED signal adjustable from side

x = Connecting dimension for LED signal

**Associated parts**

LED signal 6731 onw

**Fasteners**

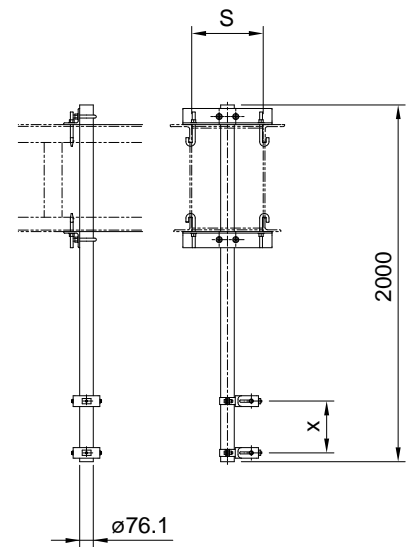
Supplied complete with hook and support angle

**Drawing number**

582.00083, .00083-1

**Ordering information**

6771.2.26 Mounting bracket for LED signal  
on gantry beam J60-J90, Spread 260



**Mast range**

HEB profiles 160-260

**Material**Aluminium plate with adhesive film, reflective  
Background yellow, mark black

Type	Plate	A (mm)
1	large	600
2	small	370

**Note**

X = Axis of operating rod

Differnt rod arrangement possible, to  
be agreed.Supplied complete with large 6741.1 or  
small plate 6741.2**Fasteners**

Supplied complete with U-bolts.

**Stroke length**

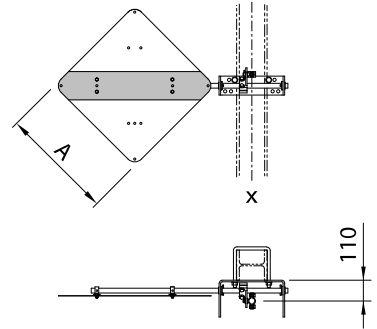
120

**Drawing number**

566.00229, .00234

**Ordering information**

with large plate, on HEB 220

6791.1.22 Swivel device with lower  
pantograph signal

**Mast range**

HEB profiles 160-180 / 200-220 / 240-260

**Note**

Fuse box LED 6841.1

**Fasteners**

Supplied complete with clamps.

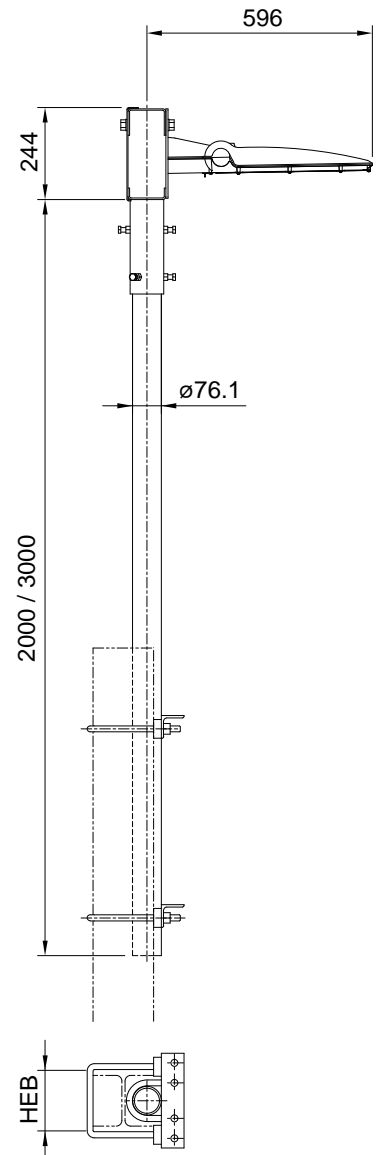
**Drawing number**

887.00190, .00195

**Ordering information**

on HEB 240, Length 2000 mm

6811.20.24 LED lamp single on mast



**Mast range**

HEB profiles 160-180 / 200-220 / 240-260

**Note**

Fuse box LED 6841.1

**Fasteners**

Supplied complete with clamps.

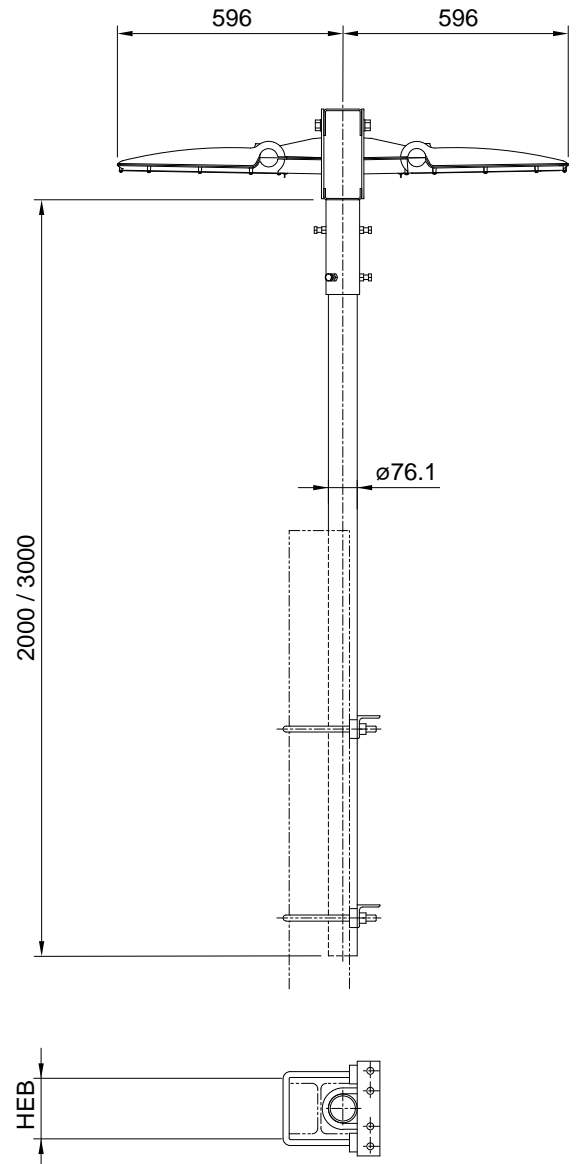
**Drawing number**

887.00196, .00197

**Ordering information**

on HEB 240, Length 2000 mm

6812.20.24 LED lamp double on mast



## LED lamp single, fastened directly on mast

# 6814

### Mast range

HEB profiles 180 - 260

### Note

Fuse box LED 6841.1

### Fasteners

Supplied complete with clamps.

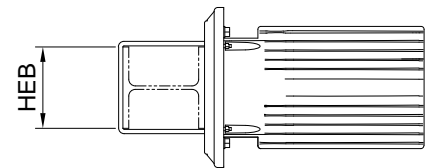
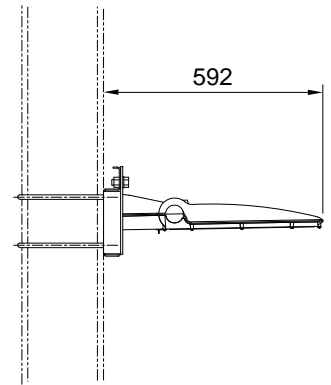
### Drawing number

887.00200

### Ordering information

on HEB 240

6814.24 LED lamp single, fastened directly on mast



## LED lamp double, fastened directly on mast

# 6815

### Mast range

HEB profiles 180 - 260

### Note

Fuse box LED 6841.1

### Fasteners

Supplied complete with clamps.

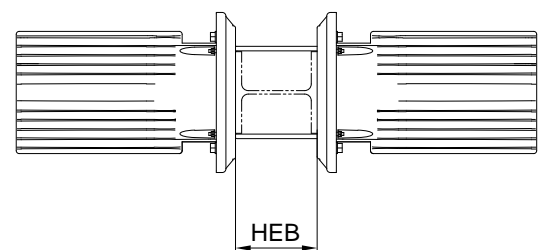
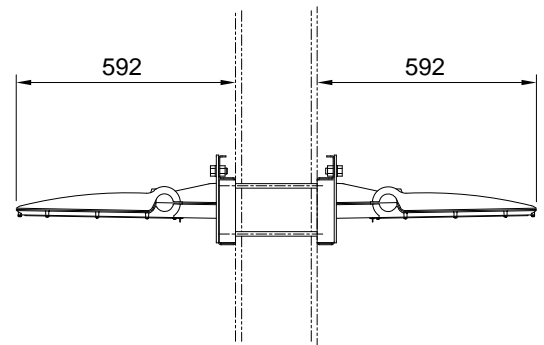
### Drawing number

887.00202

### Ordering information

on HEB 240

6815.24 LED 100 lamp double, fastened directly on mast



**Note**

Fuse box LED 6841.1

**Fasteners**

Supplied complete with support angles and hook bolts.

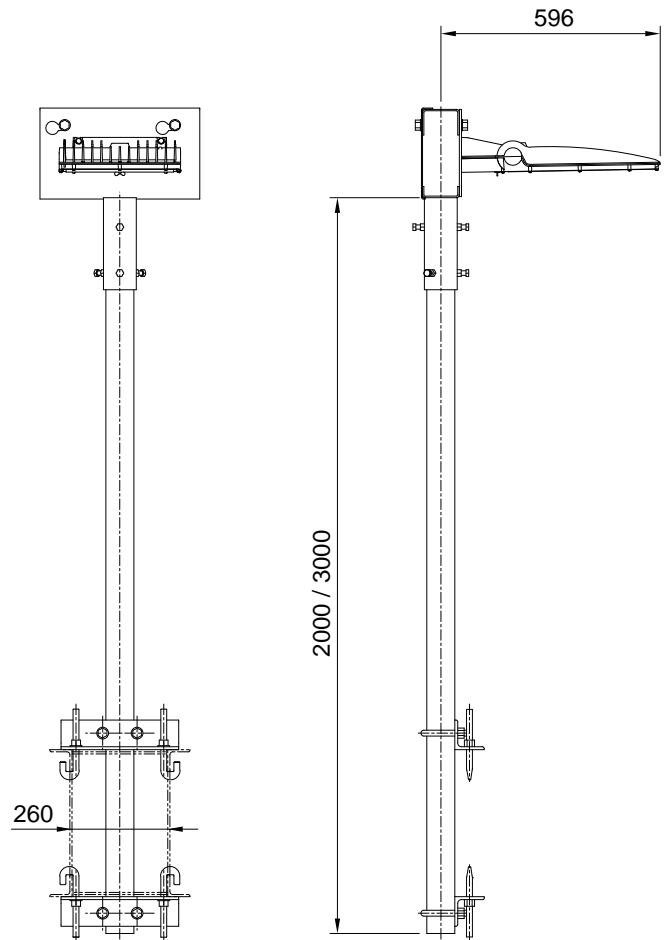
**Drawing number**

887.00203, .00203-1

**Ordering information**

Length 2000 mm

6821.20 LED lamp single on gantry  
J60 - J90, Spread 260



**Note**

Fuse box LED 6841.1

**Fasteners**

Supplied complete with support angles and hook bolts.

**Drawing number**

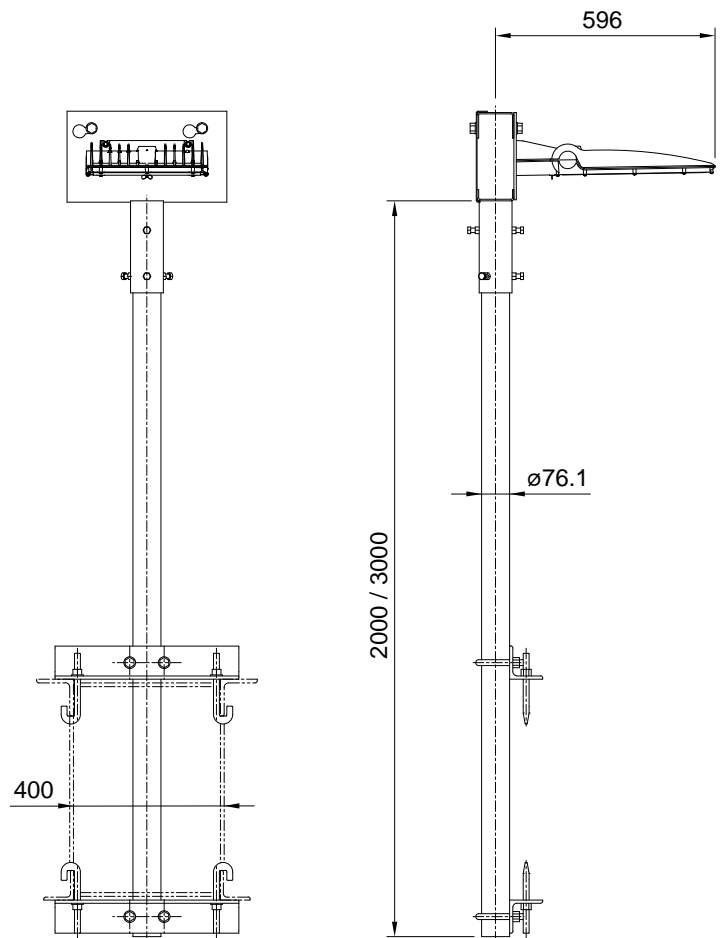
887.00209, .00209-1

**Ordering information**

Length 3000 mm

6822.30 LED lamp single on gantry

J60 - J130, Spread 400



**Note**

Fuse box LED 6841.1

**Fasteners**

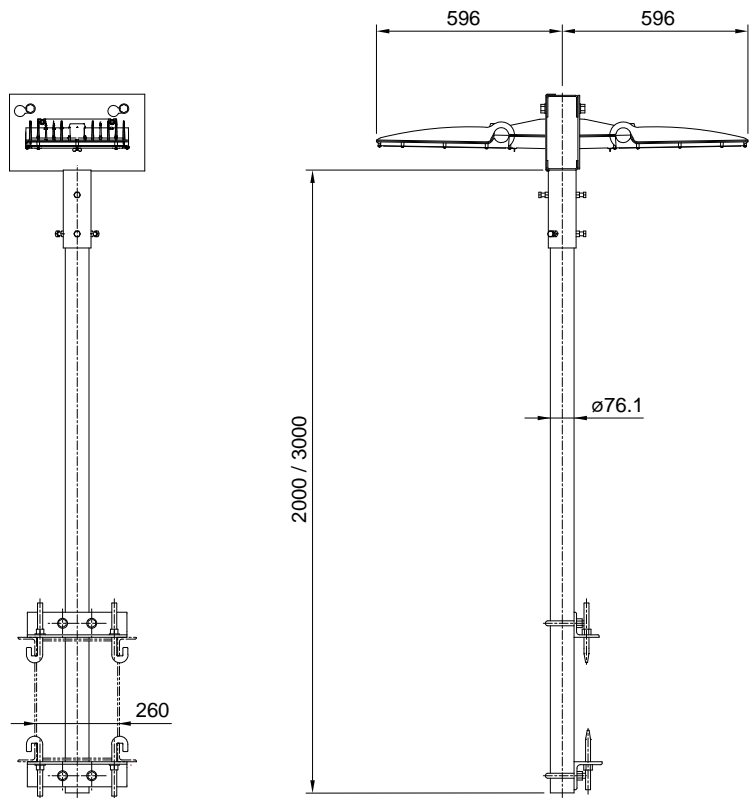
Supplied complete with angles and hook bolts.

**Drawing number**

887.00208, .00208-1

**Ordering information**

Length 3000 mm

6823.30 LED lamp double  
on gantry J60 - J90, Spread 260**Note**

Fuse box LED 6841.1

**Fasteners**

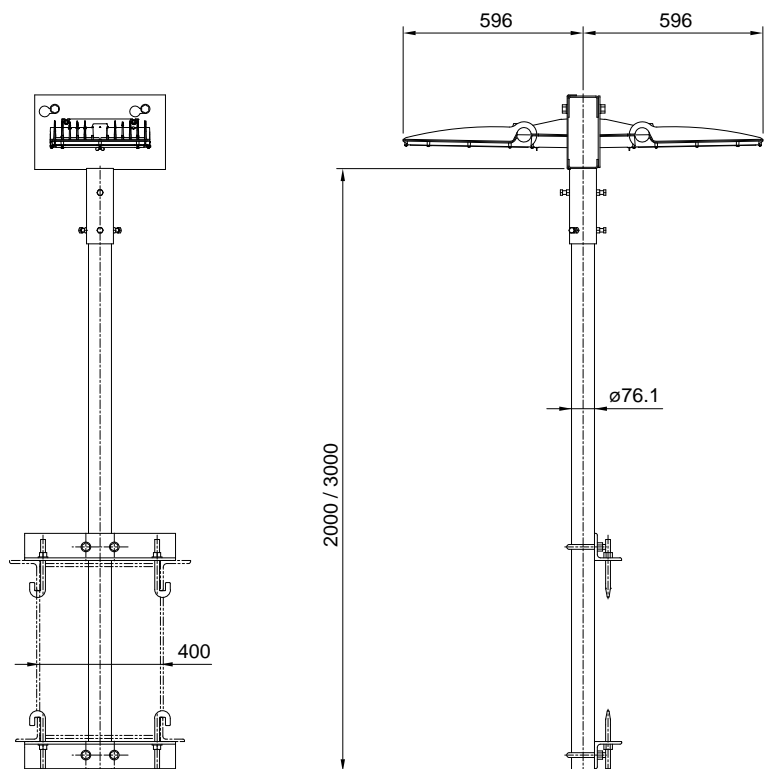
Supplied complete with angles and hook bolts.

**Drawing number**

887.00210, .00210-1

**Ordering information**

Length 2000 mm

6824.20 LED lamp double on gantry  
J60 - J130, Spread 400

**Pole range**

Section HEB 160 - 260

**Material**

Clamp body Aluminium

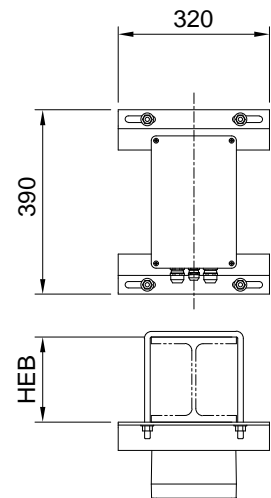
**Drawing number**

887.00064-1

**Ordering information**

on HEB 180

6841.1.18 Fuse box LED

**Clamp M6 for 1 cable tube on mast**

## 6851

Type	D (mm)	Mast range
32	32	160, 180, 200, 220, 240, 260
40	40	160, 180, 200, 220, 240, 260
50	50	160, 180, 200, 220, 240, 260

**Note**

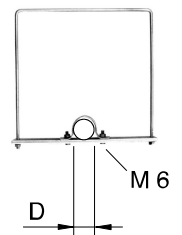
Cable tubes 6861 onw

**Drawing number**

887.00001, .00072

**Ordering information**for tube  $\varnothing$  32 mm, on HEB 220

6851.32.22 Clamp M6 for 1 cable tube on mast

**Clamp M6 for 2 cable tubes on mast**

## 6852

Type	D (mm)	Mast range
32	32	160, 180, 200, 220, 240, 260
40	40	160, 180, 200, 220, 240, 260
50	50	180, 200, 220, 240, 260

**Note**

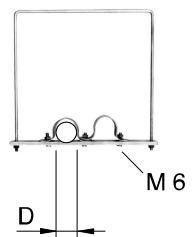
Cable tubes 6861 onw

**Drawing number**

887.00005, .00071

**Ordering information**for tube  $\varnothing$  32 mm, on HEB 240

6852.32.24 Clamp M6 for 2 cable tubes on mast



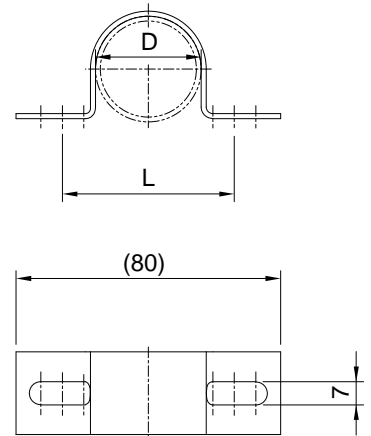
Type	D (mm)	L (mm)
32	32	60
40	40	60
50	50	70

**Drawing number**

523.00205, .00206, .00216

**Ordering information**for tube  $\varnothing$  32 mm

6853.32 Clamp for cable tubes



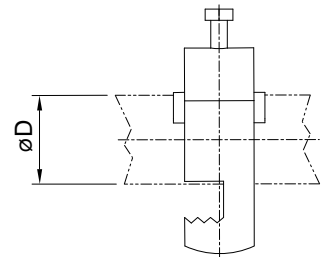
Type	D (mm)
32	32
40	40
50	50

**Drawing number**

924.00057 - .00059

**Ordering information**for cable  $\varnothing$  32 mm

6854.32 Clamp KSV for cable tubes

**Material**

Synthetic

**Note**Cable  $\varnothing$  5-15 mm**Ordering information**

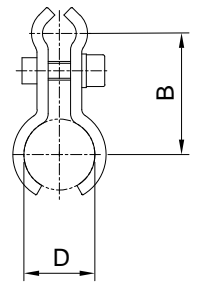
6855 Cable clamp



Type	D (ømm)	B (mm)
01	14 - 19	32.5
02	18 - 23	30

**Drawing number**  
465.00116, .00119

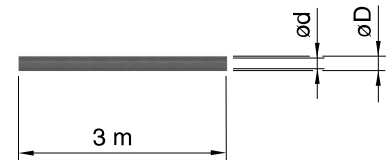
**Ordering information**  
Cable clamp for cable ø15  
6856.01 Cable clamp on steel/copper  
cable 35-50 mm<sup>2</sup>



**Material**

PVC hard, grey

Type	D (mm)	d (mm)
32	32	28.8
40	40	36.8
50	50	49.8

**Note**

Other sizes available on request.  
Connecting sleeve 6871

**Ordering information**Tube  $\varnothing$  32 mm

6861.32 Plastic cable tube, hard

**Material**

Polyethylene, grey

Type	D (mm)	d (mm)
32	32	28.8
40	40	36.8
50	50	46.8

**Note**

Other sizes available on request.  
In coils of 25 m and 50 m.  
End cap 6873

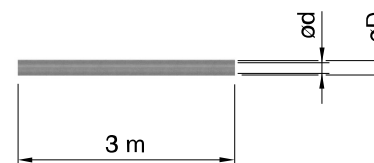
**Ordering information**Tube  $\varnothing$  32 mm, coils of 25 m

6862.32.25 Flexible cable tube

**Material**

Al

Type	D (mm)	d (mm)
32	32	28.8
40	40	36.8
50	50	46.8

**Note**

Other sizes available on request.  
Plug-in sleeve 6872

**Drawing number**

887.00113

**Ordering information**Tube  $\varnothing$  40 mm

6863.40 Al cable tube

## Connecting sleeve

6871

**Material**  
PVC hard

Type	for tube (ømm)
32	32
40	40
50	50

**Ordering information**  
on tube ø 32 mm  
6871.32 *Connecting sleeve*

## Plug-in sleeve

6872

**Material**  
Al

Type	for tube (ømm)
32	32
40	40
50	50

**Drawing number**  
887.00112

**Ordering information**  
on tube ø 32 mm  
6872.32 *Plug-in sleeve*

## End plug

6873

**Material**  
Polyethylene

Type	for tube (ømm)
32	32
40	40
50	50

**Ordering information**  
on tube ø 32 mm  
6873.32 *End plug*



## Edge protector

6874

**Material**  
Synthetic

Type	for tube (ømm)
32	32
40	40
50	50

**Ordering information**  
on tube ø 40 mm  
6874.40 *Edge protector*

