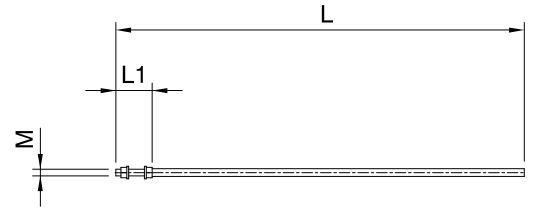


Type	M (mm)	L (mm)	L1 (mm)	AF (mm)	F _{Rd} (kN)	Wt (kg)
30.1800	30	1800	160	46	135	10
30.2400	30	2400	160	46	135	13
36.2200	36	2200	180	55	195	16
36.2800	36	2800	180	55	195	22
39.2500	39	2500	180	60	248	22

**Note**

Spacer 1112 onw
 Insulating set 6311
 Other lengths on request.

Drawing number

318.00017

Ordering information

M36, Length 2800 mm
 1111.36.2800 Foundation bolt

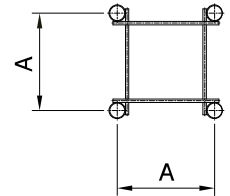
Spacer for 4 foundation bolts

1112

Material

Fe black

Type	A (mm)	Wt (kg)
34	340	1.6
50	500	1.8

**Drawing number**

328.00038

Ordering information

Bolt spacing 340 mm
 1112.34 Spacer for 4 foundation bolts

Spacer for 6 foundation bolts

1112.1

Material

Fe black

Weight

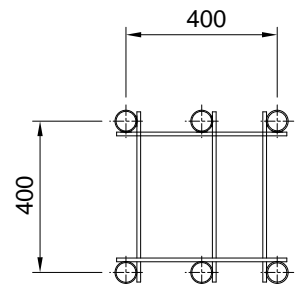
Wt (kg) = 2.8

Drawing number

328.00488-1

Ordering information

1112.1 Spacer for 6 foundation bolts



Type	M (mm)	L (mm)	L1 (mm)	AF (mm)
30	30	900	160	46
36	36	1100	180	55

Note

Insulating set 6311

Special version:

Frames of other lengths possible.

Resistance

Transmittable forces depending on local conditions.

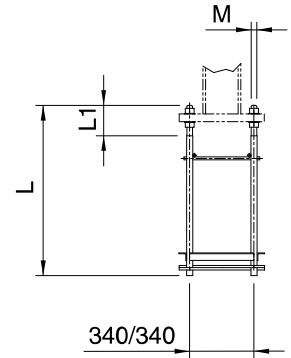
Drawing number

328.00071, .00072

Ordering information

for M30 foundation bolts

1114.30 Foundation bolts with frame

**Material**

Fe black

Type	Wt (kg)
34.1	0.8
34.2	1.0

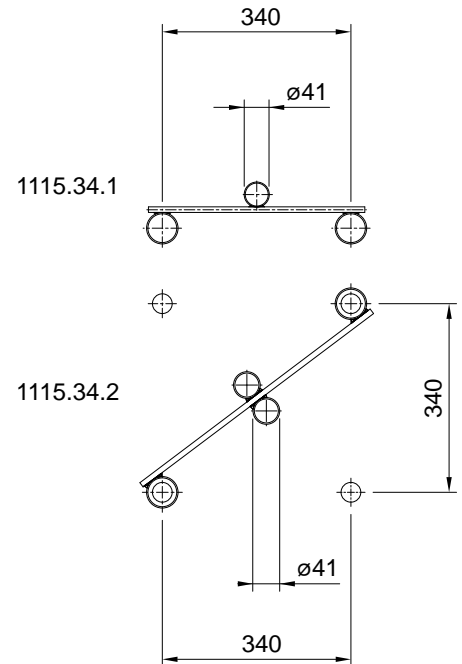
Drawing number

328.00123, .00138

Ordering information

Distance between bolts 340 mm

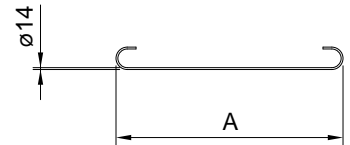
1115.34.1 Spacer for cable adjustment



Material

Reinforcing steel III

Type	A (mm)
15	1500
17	1700
19	1900
20	2000
22	2200
24	2400
26	2600
27	2700
30	3000
32	3200
35	3500

**Drawing number**

311.00152

Ordering information

Length 1500 mm

1123.15 Reinforcement bar

Material

Reinforcing steel III

Type	A (mm)
49	490
64	640

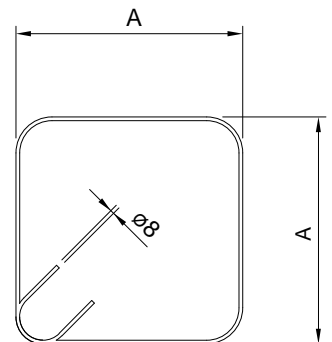
Drawing number

311.00153, .00154

Ordering information

Link 490 mm

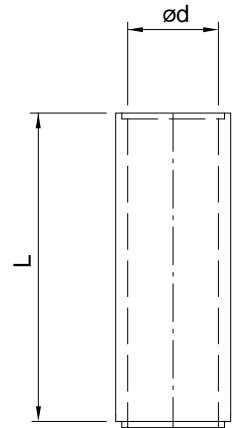
1124.49 Reinforcement link



Material

Reinforced concrete

Type	d (mm)	L (mm)
15.05	150	500
15.10	150	1000
20.05	200	500
20.10	200	1000
30.05	300	500
30.10	300	1000
40.05	400	500
40.10	400	1000
50.05	500	500
50.10	500	1000
60.05	600	500
60.10	600	1000

**Note**

Cover 1126

Ordering information

Core ø 300 mm

1125.30.10 Concrete well casting for mast foundation

Material

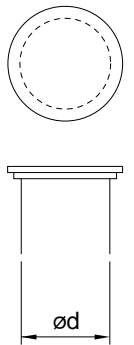
Reinforced concrete

Type	d (mm)
15	150
20	200
30	300
40	400
50	500
60	600

Ordering information

Cover ø 300 mm

1126.30 Cover for well casing



Note

Insulating set 6321

Associated parts

Anchor rope \varnothing 20 mm 1311
Triangular clevis link for
2 anchors 1321

Resistance

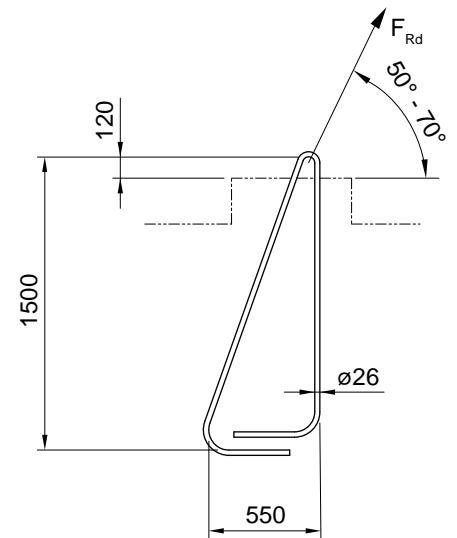
F_{Rd} (kN) = 41

Drawing number

331.00002

Ordering information

1131 Foundation anchor stirrup



Mast range

HEB profiles 160-260
Lengths 4,00 - 16,00 m

Type	HEB (mm)	Wt (kg/m)	A (mm)
16	160	42.6	100
18	180	51.2	100
20	200	61.3	110
22	220	71.5	130
24	240	83.2	150
26	260	93.0	150

Note

Available in 0,50 m steps.
When ordering state length L.
Max. Note load for transport by helicopter.
x = bonding point for earthing 2 x M12

Associated parts

Mast extension 1231 onw

Fasteners

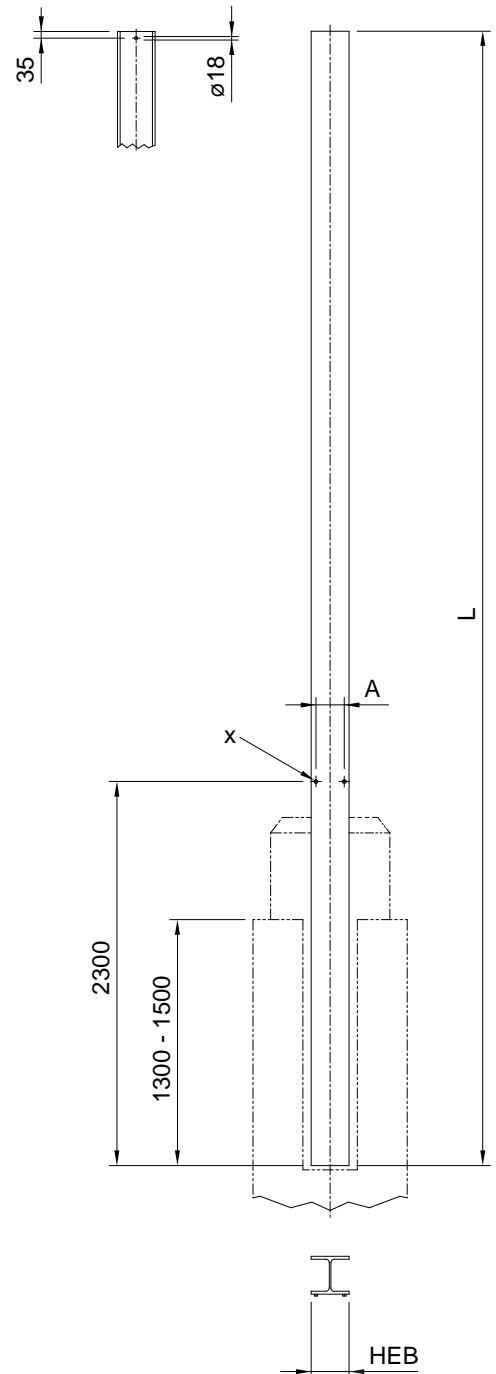
Fastening to bridge/wall 1411 onw

Drawing number

328.00515, .00517, .00519, .00521, .00523, .00525

Ordering information

HEB 180, Length 8,00 m
1211.18.080 Wide-flanged mast



Mast range

HEB profiles 160-260
Lengths 5,00 - 16,00 m

Type	HEB (mm)	Wt (kg/m)	M (mm)	d (mm)	t (mm)
16	160	42.6	30	39	35
18	180	51.2	30	39	35
20	200	61.3	30	39	35
22	220	71.5	30	39	35
24	240	83.2	36	45	40
26	260	93.0	36	45	40

Note

Available in 0,50 m steps.
When ordering state length L.
Max. Note load for transport by helicopter.
x = bonding point for earthing 2 x M12

Additional weight for base plate:

HEB 160-220 50 kg
HEB 240-260 60 kg

Associated parts

Mast extension 1231 onw
Foundation material 1111 onw
Insulating set 6311

Fasteners

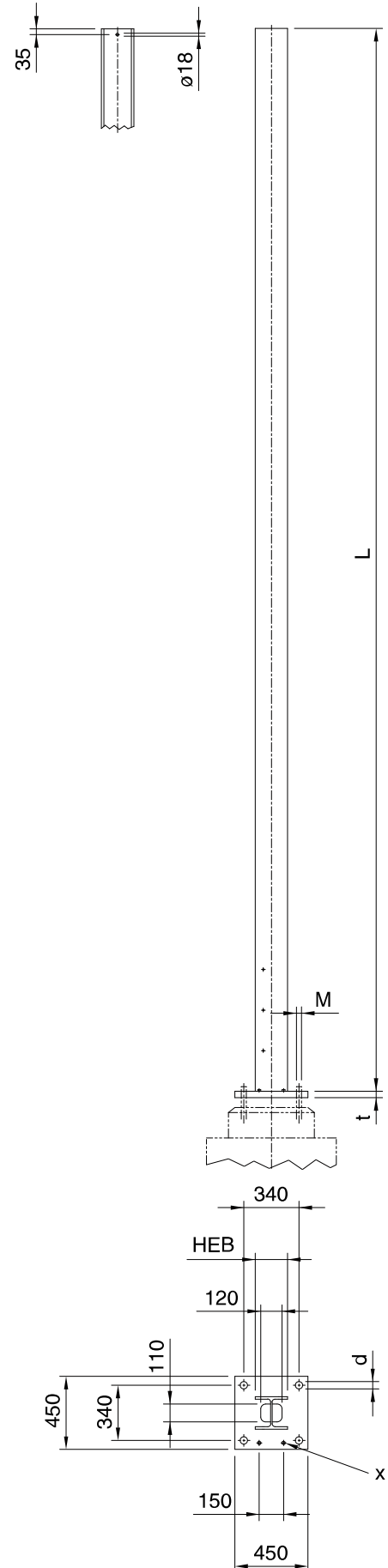
Connection on
bridge/wall 1414 onw

Drawing number

328.00240, .00241, .00267, .00270,
.00272, .00274

Ordering information

HEB 240, Length 12,00 m
1212.24.120 Wide-flanged mast with
base plate



Mast range

HEB profiles 220-260

Lengths L = 8,00 - 16,00 m

Lengths L1 = 5,00, 6,00, 7,00, 8,00, 9,00 m

Type	HEB (mm)	Wt (kg/m)	M (mm)	d (mm)	t (mm)
22	220	71.5	30	39	35
24	240	83.2	36	45	40
26	260	93.0	36	45	40

HEB	L1 = 5 m (kg)	L1 = 6 m (kg)	L1 = 7 m (kg)	L1 = 8 m (kg)	L1 = 9 m (kg)
220	117	141	165	188	212
240	129	155	180	206	232
260	141	169	197	225	254

Note

Available in 0,50 m steps.

When ordering state length L and L1

Other lengths available on request

Note load for transport by helicopter.

x = bonding point for earthing 2 x M12

Additional weight (both reinforcement plates) L1

see table

Additional weight for base plate:

Base plate t=35 mm 50 kg

Base plate t=40 mm 60 kg

Associated parts

Mast extension 1231 onw

Foundation material 1111 onw

Insulating set 6311

Fasteners

Connection on

bridge/wall 1414 onw

Drawing number

328.00548-2 - .00548-6, .00550-2 - .00550-6,

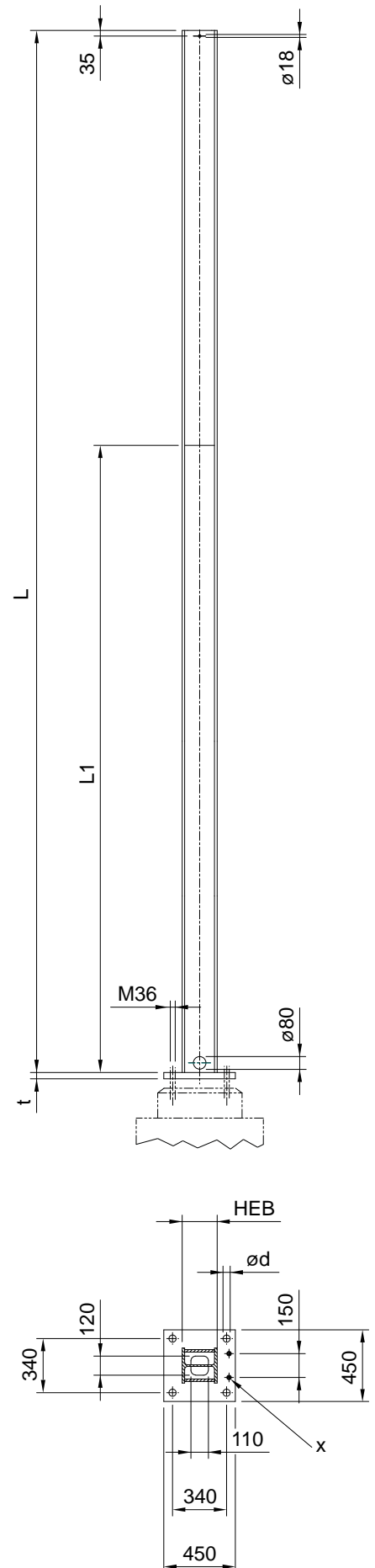
328.00587, .00587-1 - .00587-4

Ordering information

HEB 240, Length 12,00 m, L1 7,00 m

1222.1.24.120.70 Wide-flanged mast

reinforced with base plate



Mast range

HEB profiles 160-260
Lengths 1,00 - 2,50 m

Type	HEB (mm)	Wt (kg)
16	160	42.60
18	180	51.20
20	200	61.30
22	220	71.30
24	240	83.20
26	260	93.00

Note

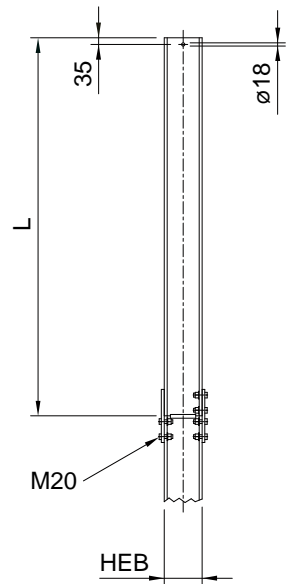
Available in 0,50 m steps.
State length when ordering.

Drawing number

329.00080, .00083, .00086, .00089,
.00092, .00095

Ordering information

HEB 160, Length 2,50 m
1231.16.25 Mast extension /
wide flange section

**Mast range**

HEB profiles 160 / 180-240 / 260

Type	L (m)	L1 (m)	Wt (kg)	Rungs
25	2.5	1.8	41	1
32	3.2	2.5	54	3

Note

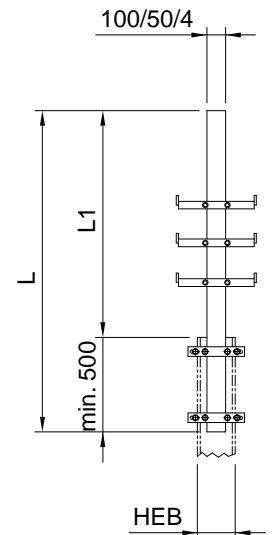
Supplied complete with U-bolts

Drawing number

329.00058 - .00063, .00096, .00097

Ordering information

Length 3,2 m, on HEB 240
1232.32.24 Mast extension - hollow
section



Material

Impregnated wood

Type	L (m)	D1 (mm)	D2 (mm)	D3 (mm)	Wt (kg)
07N	7	170 - 180	150 - 160	110 - 120	78
07S	7	190 - 200	170 - 180	130 - 140	104
08N	8	180 - 190	160 - 170	120 - 140	111
08S	8	200 - 210	180 - 190	140 - 150	130
09N	9	190 - 200	170 - 180	120 - 140	130
09S	9	210 - 220	190 - 200	150 - 160	169
10N	10	200 - 210	180 - 190	120 - 140	163
10S	10	220 - 230	200 - 210	150 - 160	195
11N	11	210 - 220	190 - 200	130 - 150	195
11S	11	230 - 240	210 - 220	160 - 170	234
12N	12	220 - 230	200 - 210	130 - 150	228
12S	12	240 - 250	220 - 230	130 - 170	273
13N	13	230 - 240	210 - 220	140 - 160	267
13S	13	250 - 260	230 - 240	170 - 180	306
14N	14	240 - 250	220 - 230	140 - 160	299
14S	14	260 - 280	240 - 250	170 - 180	338
15N	15	250 - 260	230 - 240	150 - 170	338
15S	15	270 - 290	250 - 260	180 - 190	377

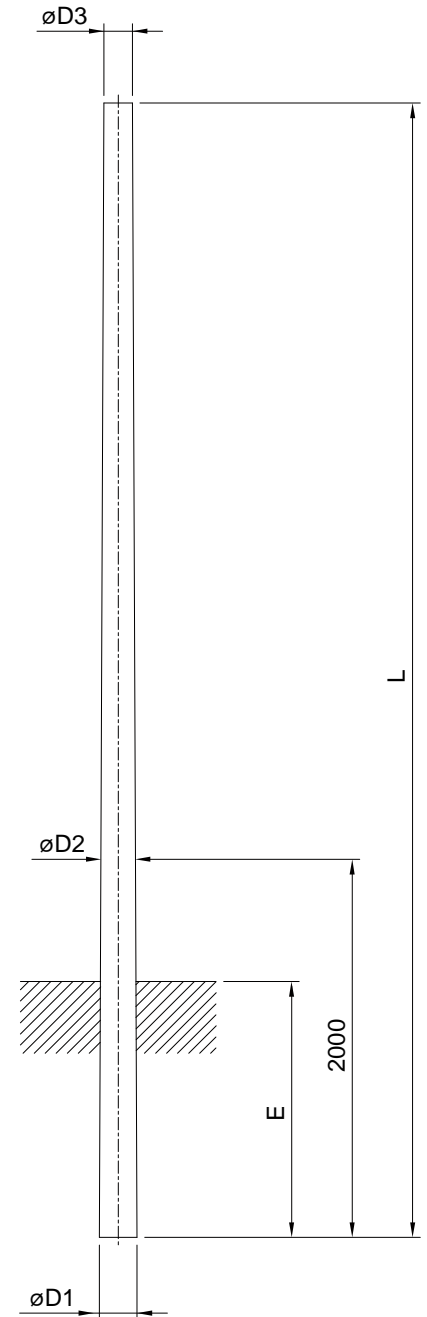
Note

Version N: Normal / S: Strong

Mechanical strength properties and E
in accordance with high-voltage regulation.
Extra strong poles available on request.

Ordering information

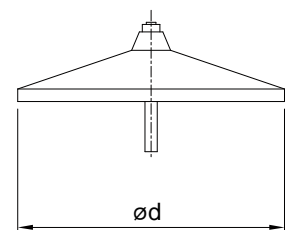
Length 12 m, strong version
1241.12S Wooden pole



Type	d (mm)
16	160
18	180

Ordering information

for \varnothing 180 mm
1242.18 Wooden pole cap



Note

State top load (F_{Rd}) and length (L, L4 and L5) in your inquiry.

The values L1 - L3 and D1 - D3 are indicated with the offer.

Top load F_{Rd} min. 6,0 kN

Top load F_{Rd} max. 18,0 kN

Length L min. 8,0 m

Length max. 12,0 m

Available in steps of 0,5 m

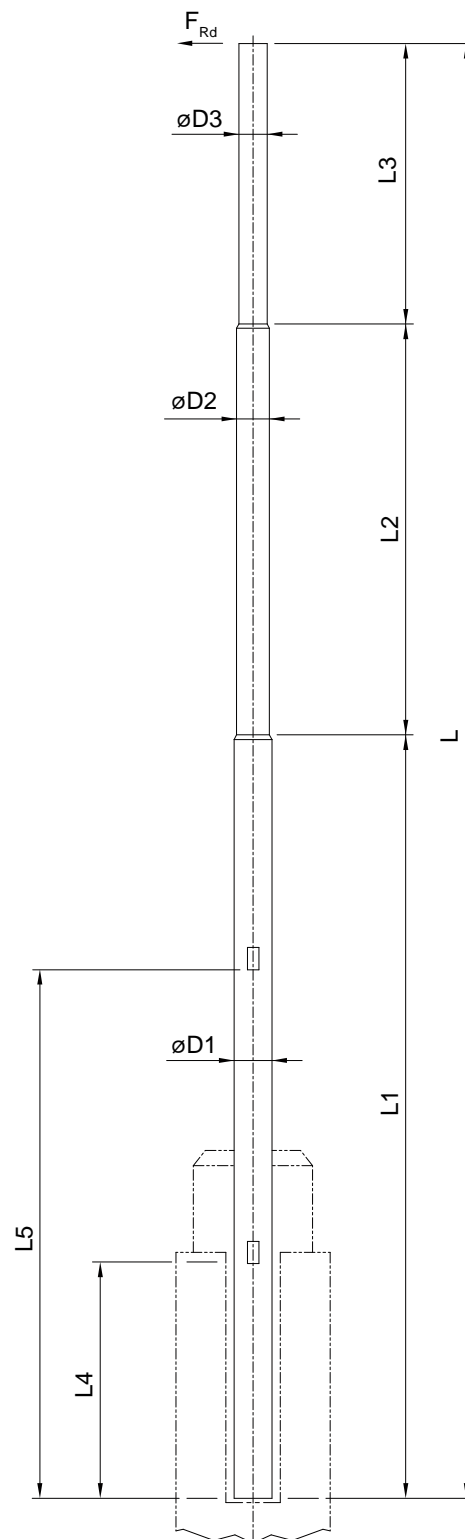
Other lengths available on request.

Cable entry and doors on request.

Ordering information

Length 10,00 m, F_{Rd} 8 kN

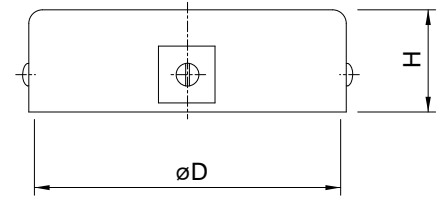
1251.10.08 Tubular steel pole - 3 sections



Type	D (mm)	H (mm)
13	101 - 130	45
16	131 - 160	45
19	161 - 190	45
22	191 - 220	70
25	221 - 250	70
28	251 - 280	70
31	281 - 310	70

Drawing number
327.00001

Ordering information
For 150 mm \varnothing
1252.16 Tubular pole cap



Note

State top load (F_{Rd}) and length (L)
in your inquiry.

The values t, L1 - L3 and D1 - D3 are
indicated with the offer.

Top load F_{Rd} min. 6,0 kN

Top load F_{Rd} max. 18,0 kN

Length L min. 8,0 m

Length L max. 12,0 m

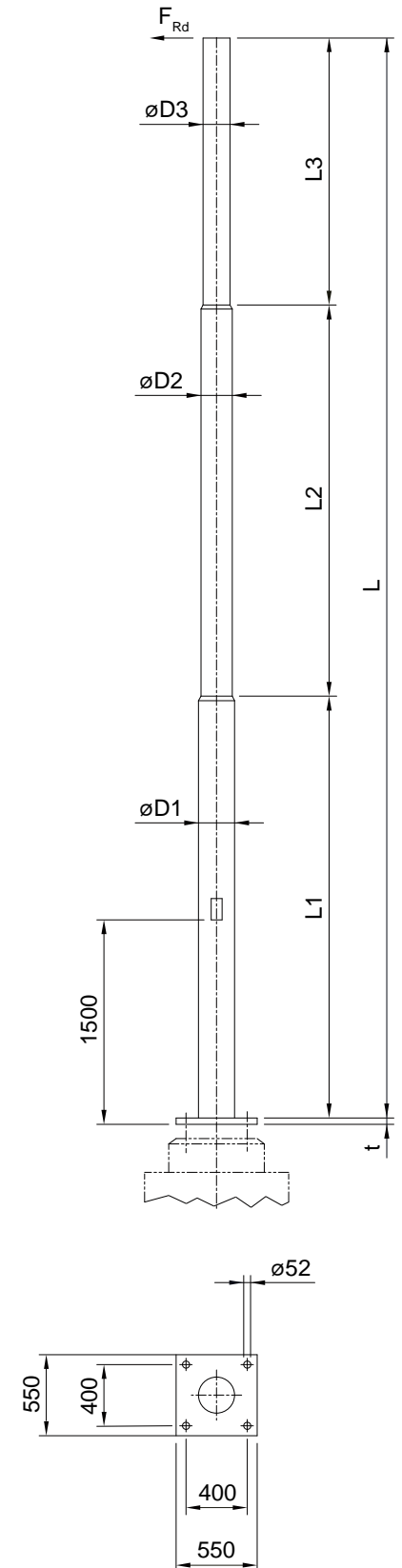
Other lengths available on request.

Cable entr and doors on request.

Ordering information

Length 10,00 m, F_{Rd} 6 kN

1253.10.06 Tubular steel pole - 3 sections
with base plate



Note

State top load (F_{Rd}) and length (L)

in your inquiry.

The values D1 and D3 are indicated with the offer.

Top load F_{Rd} min.6,0 kN

Top load F_{Rd} max.18,0 kN

Length L min.8,0 m

Länge L max. 12,0 m

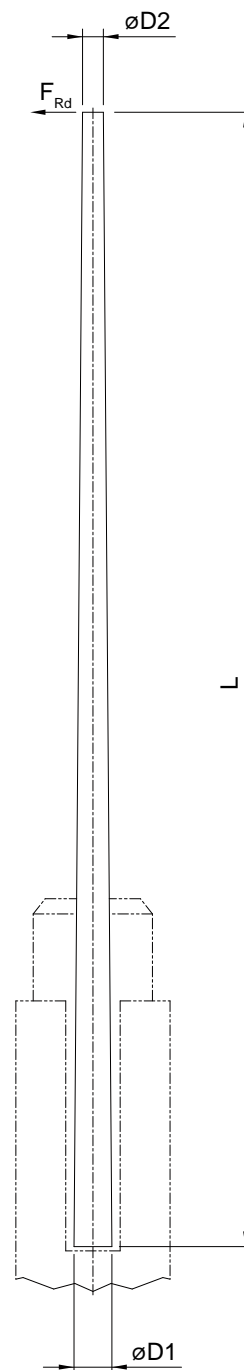
Other lengths available on request.

Cable entry and doors on request.

Ordering information

Length 12,00 m, F_{Rd} 7 kN

1254.12.07 Tubular steel pole conical

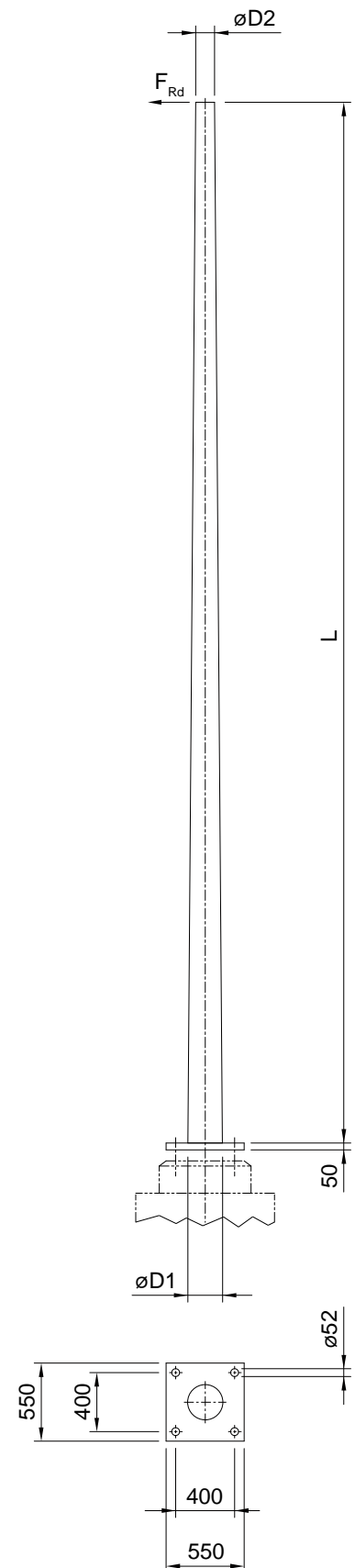


Note

State top load (F_{Rd}) and length (L) in your inquiry.
The values D1 and D3 are indicated with the offer.
Top load F_{Rd} min. 6,0 kN
Top load F_{Rd} max. 18,0 kN
Length L min. 8,0 m
Length L max. 12,0 m
Available in steps of 0,5 m.
Other lengths available on request.
Cable entry and doors on request.

Ordering information

Length 8,00 m, F_{Rd} 6 kN
1255.08.06 Tubular steel pole conical with base plate



Material

Reinforced concrete

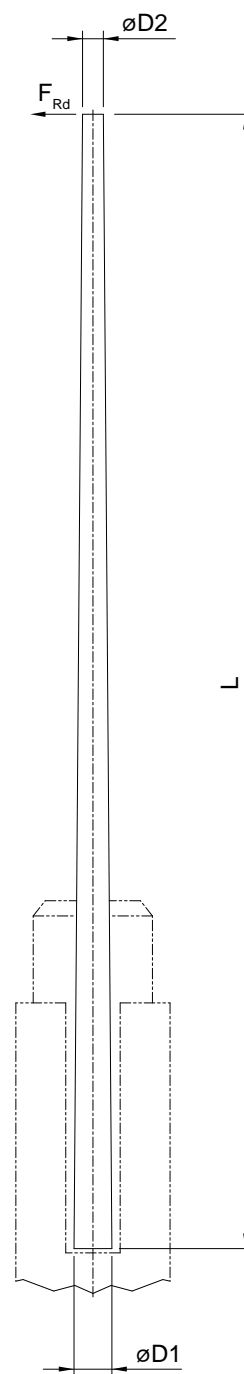
Type	L (m)	F _{Rd} (kN)	Wt (kg)
09.06	9	6.0	190
09.10	9	10.0	215
09.14	9	14.0	215
09.18	9	18.0	265
10.06	10	6.0	200
10.10	10	10.0	225
10.14	10	14.0	250
10.18	10	18.0	250
11.10	11	10.0	235
11.14	11	14.0	235

Note

For foundations with insert.
Other dimensions on request.
The values D1 and D2 are
indicated with the offer.

Ordering information

Length 11 m, F_{Rd} 14 kN
1261.11.14 Concrete pole



Note

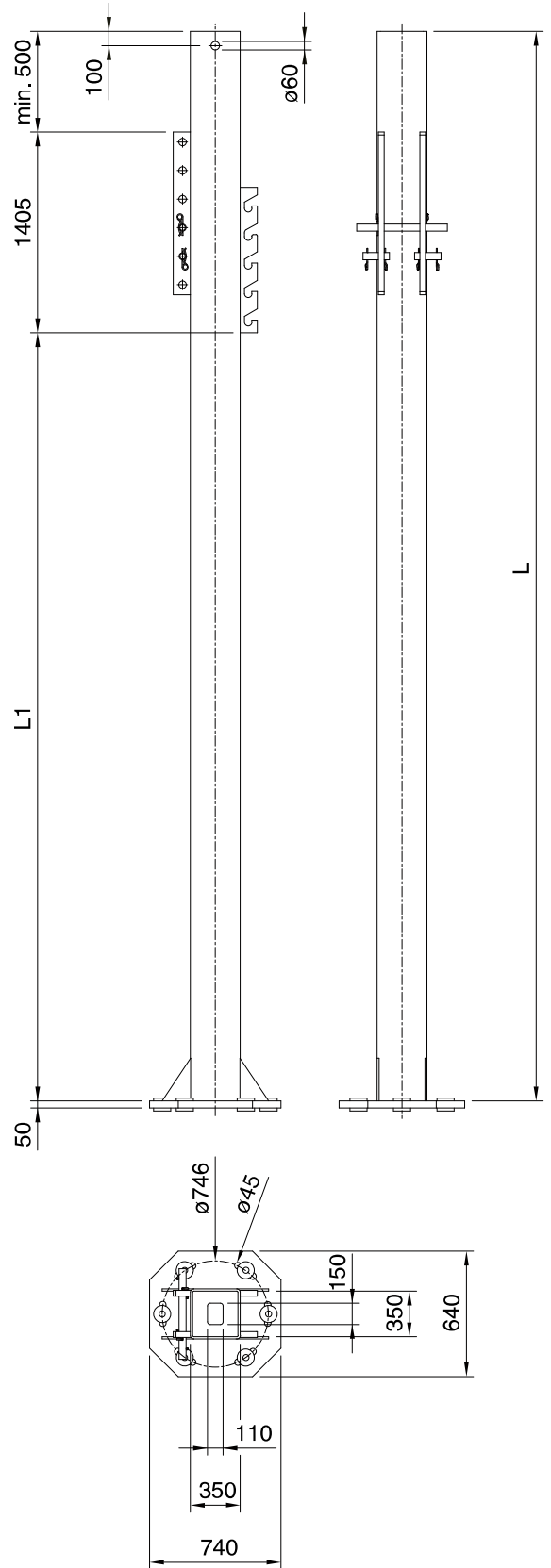
Order possible on request
State length L and L1 when ordering.

Associated parts

TTC-Boom 21101

Drawing number

B.01.01.03



Note

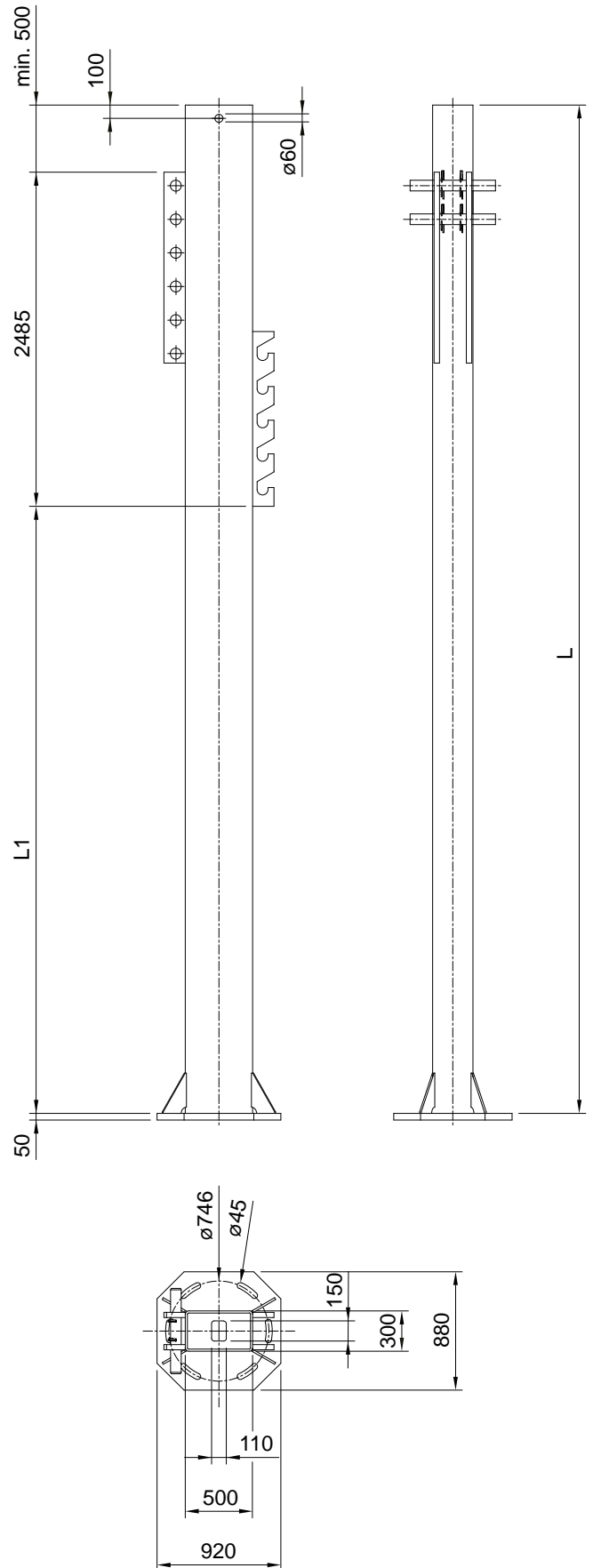
Order possible on request
State length L and L1 when ordering.

Associated parts

TTC-Boom long 21102

Drawing number

328.00401



Note

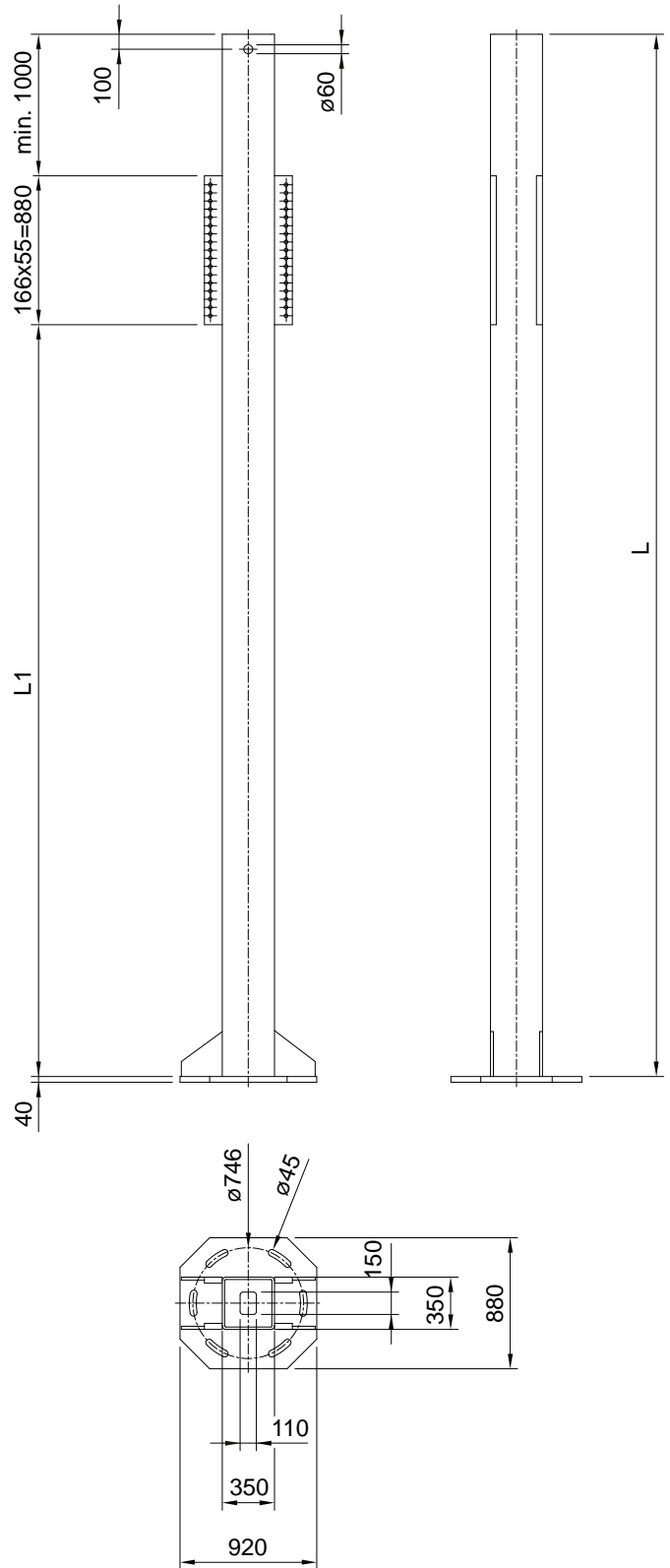
With Mast Base Plate for 6 x Bolt M39
 on 762 mm Diameter x 16 mm
 thick Tubular Pile Foundation
 Order possible on request
 State length L and L1 when ordering.

Associated parts

Support Bracket for
 Mono Anchor Boom WPE 450 22701
 Mono Anchor Boom WPE 450 22704

Drawing number

328.00337



Note

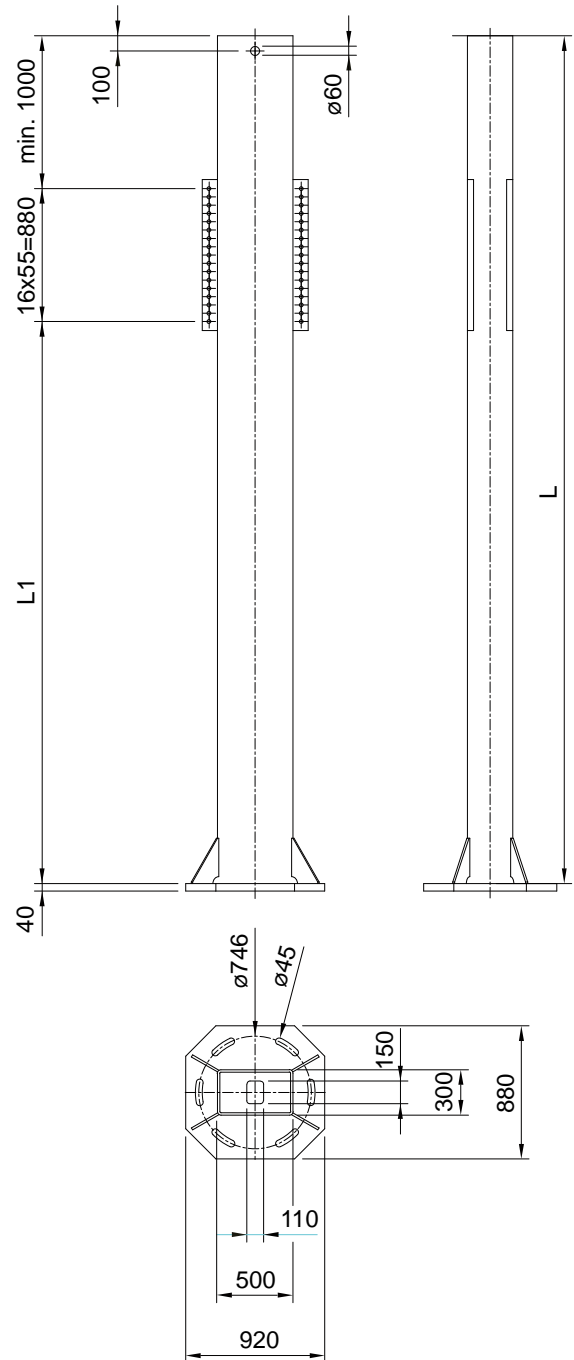
With Mast Base Plate for 6 x Bolt M39
 Order possible on request
 State length L and L1 when ordering.

Associated parts

Support Bracket for
 Mono Anchor Boom WPE 450 22701
 Mono Anchor Boom WPE 450 22704

Drawing number

328.00336



Note

With mast base plate for 6 x M39
for foundation \varnothing 762x16 mm
Specify L and L1 when ordering.

Associated parts

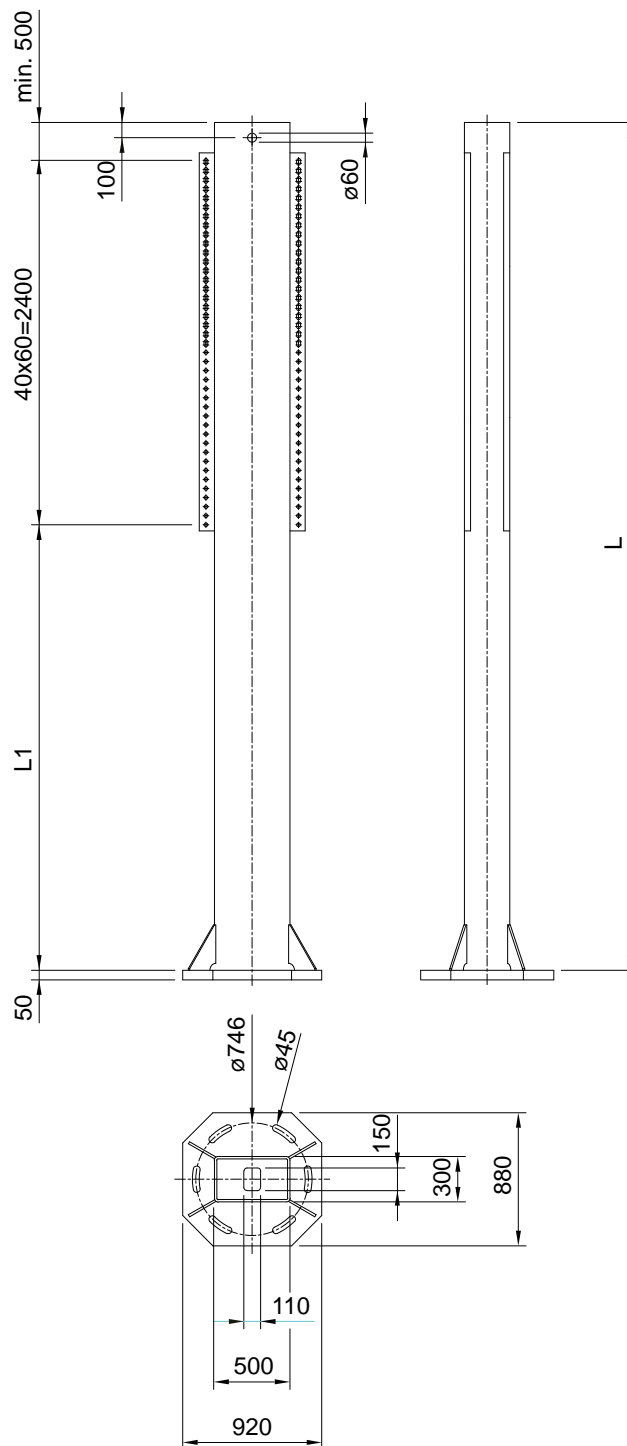
Support Bracket for
Mono Anchor Boom WEB 450 22702
Mono Anchor Boom WEB 450 22705

Drawing number

328.00404

Ordering information

for length 9,50 m and L1 7,50 m
1283.95.75 Tubular mast 300 x 500
for Mono Anchor Boom WEB 450



Type	Bottom connection
1	with deadend clevis type
2	with deadend eye type

Note

With turnbuckle M30
 U-bolt for anchor rope
 connection 1313 onw
 Anchor foundation stirrup 1131
 Insulation set (only for
 Anchor rope Type 2) 6321
 Triangular clevis link for
 2 anchor rope (only for
 Anchor rope Type2) 1321

Resistance

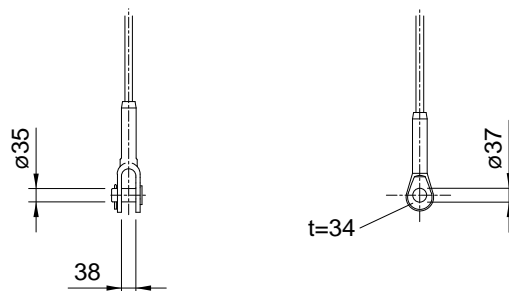
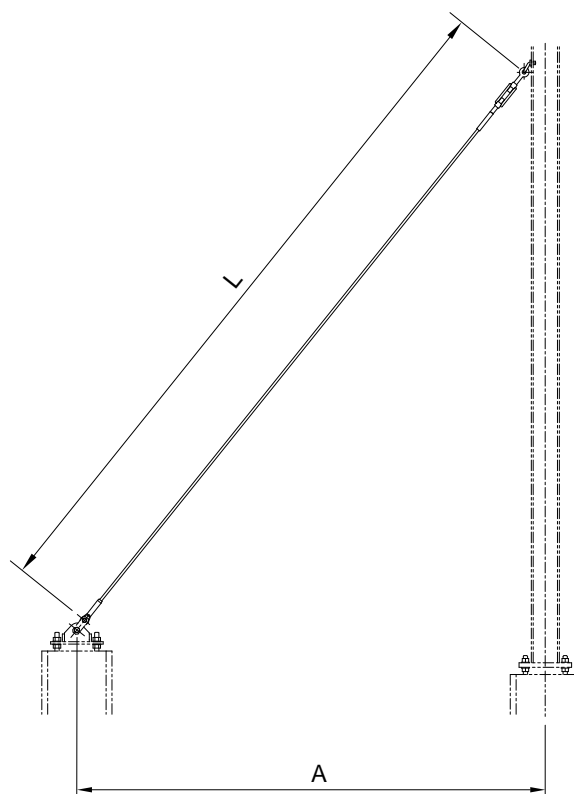
F_{Rd} (kN) = 104

Drawing number

331.00057, .00058

Ordering information

with deadend clevis type,
 anchor rope $L = 9,50$ m
 1311.1.09500 anchor rope \varnothing 20 mm

**Horizontal U-bolt for anchor rope connection**

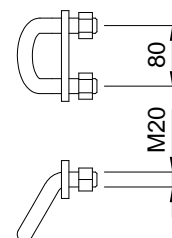
1313

Drawing number

331.00001

Ordering information

1313 Horizontal U-bolt for anchor rope connection

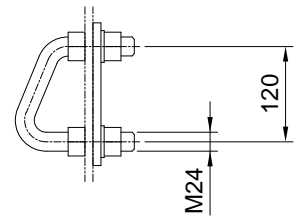


Drawing number

331.00053

Ordering information

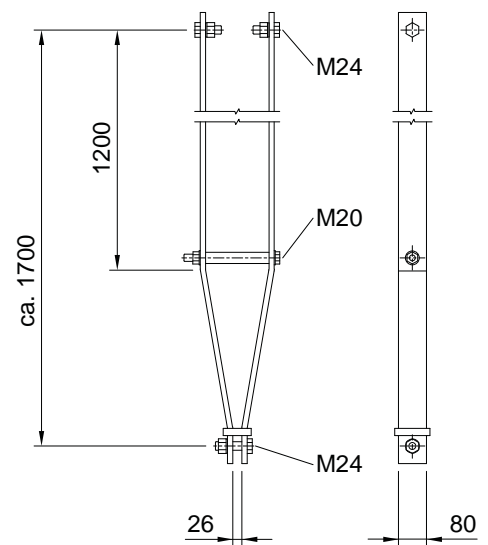
1314 Vertical U-bolt for anchor rope connection



Type	HEB
16	160 - 180
20	200 - 220
24	240 - 260

Drawing number

331.00051

Ordering informationon HEB 200
1316.20 Anchor connecting clevis

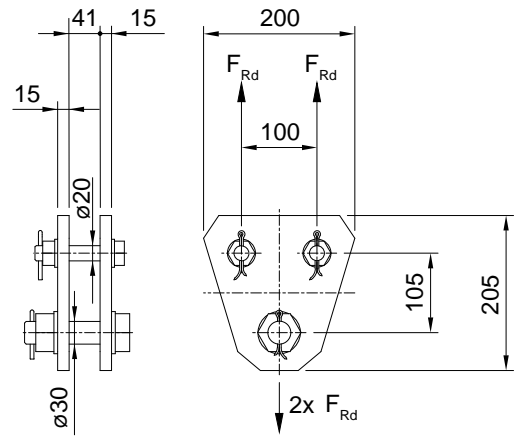
Type	Description
1	without insulating set
2	with insulating set

Resistance
 F_{Rd} (kN) = 104

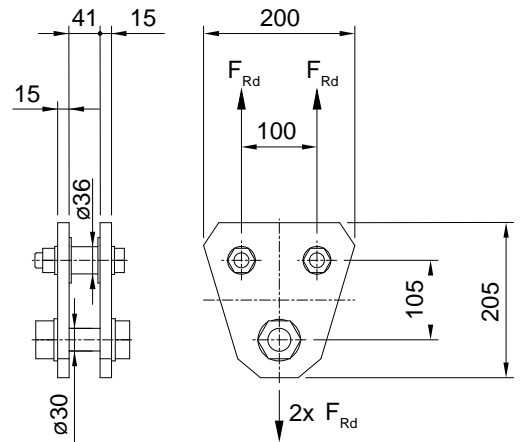
Drawing number
 336.00033, .00036

Ordering information
 without Insulating set
 1321.1 Triangular clevis link for 2 anchors

1321.1



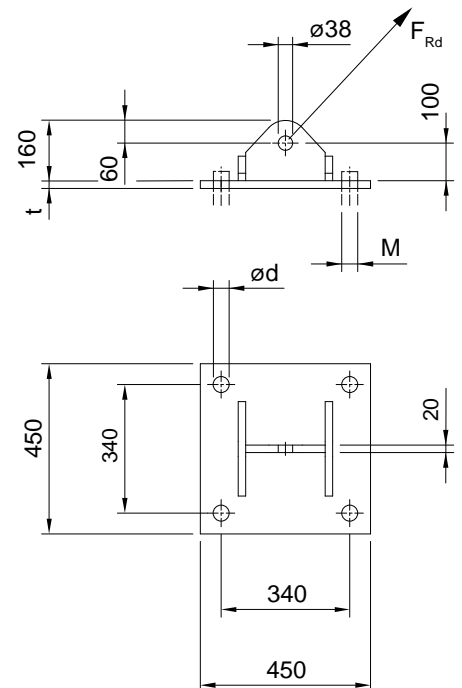
1321.2



Type	M (mm)	d (mm)	t (mm)	F_{Rd} (kN)
30	30	36	15	131
36	36	42	20	204

Drawing number
 334.00200, .00201

Ordering information
 for thread M 36
 1323.1.36 Anchor bracket for anchor rope
 on fondation 4x M36



Weight

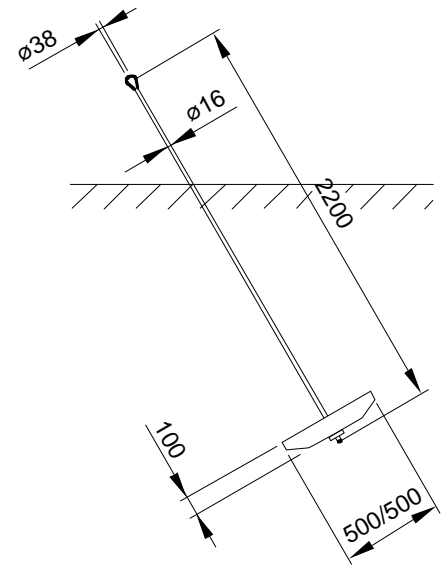
Wt (kg) = 54

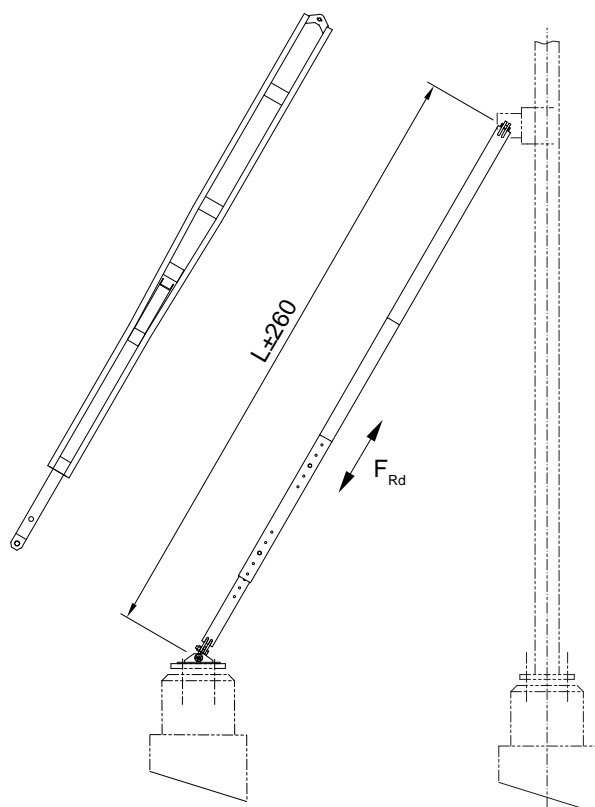
Drawing number

331.00008, .00017

Ordering information

1332 Plate anchor





Type	L (m)	F _{Rd} (kN)	Wt (kg)
050	5.00	195	206
055	5.50	195	228
060	6.00	195	244
065	6.50	195	260
070	7.00	195	276
075	7.50	195	298
080	8.00	182	314
085	8.50	161	330
090	9.00	142	346
095	9.50	125	362
100	10.00	111	378
105	10.50	95	394
110	11.00	82	410

Note

Length L = adjustable in 20mm increments (max. ±260)

Mast bracket 1343.1

Strut connection to foundation 1348.1

Drawing number

334.00227, .00227-1, .00227-2

Ordering information

Length 9.5 m

1341.1.095 Telescopic strut non insulated

Type	L (m)	F _{Rd} (kN)	Wt (kg)																											
050	5.00	195	211																											
055	5.50	195	233																											
060	6.00	195	250																											
065	6.50	195	265																											
070	7.00	195	281																											
075	7.50	195 </tr <tr> <td>080</td> <td>8.00</td> <td>182</td> <td>319</td> </tr> <tr> <td>085</td> <td>8.50</td> <td>161</td> <td>335</td> </tr> <tr> <td>090</td> <td>9.00</td> <td>142</td> <td>351</td> </tr> <tr> <td>095</td> <td>9.50</td> <td>125</td> <td>367</td> </tr> <tr> <td>100</td> <td>10.00</td> <td>111</td> <td>383</td> </tr> <tr> <td>105</td> <td>10.50</td> <td>95</td> <td>400</td> </tr> <tr> <td>110</td> <td>11.00</td> <td>82</td> <td>415</td> </tr>	080	8.00	182	319	085	8.50	161	335	090	9.00	142	351	095	9.50	125	367	100	10.00	111	383	105	10.50	95	400	110	11.00	82	415
080	8.00	182	319																											
085	8.50	161	335																											
090	9.00	142	351																											
095	9.50	125	367																											
100	10.00	111	383																											
105	10.50	95	400																											
110	11.00	82	415																											

Note

Length L = adjustable in 20mm increments (max. ±260)

Mast bracket 1343.1

Strut connection to foundation 1348.1

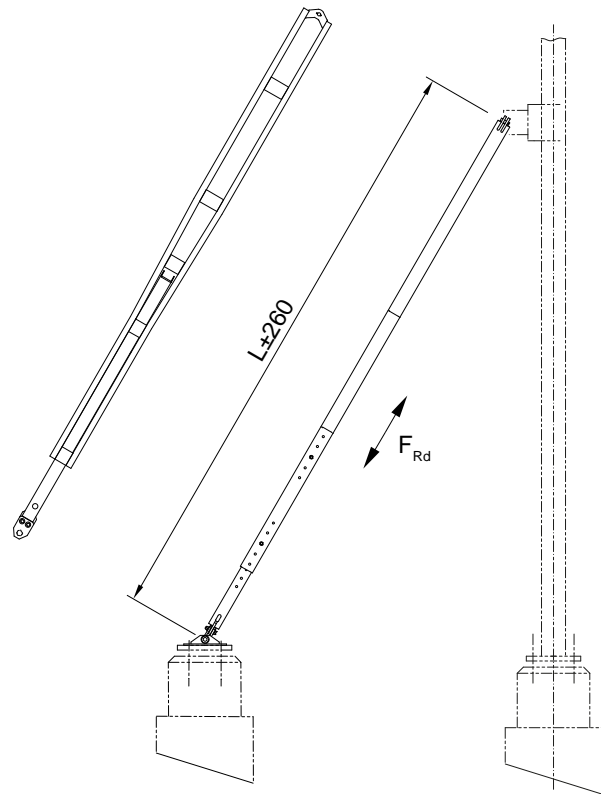
Drawing number

334.00223, .00223-1, .00223-2

Ordering information

Length 9.5 m

1341.2.095 Telescopic strut insulated



Mast range

HEB profiles 200 / 220 / 240 / 260

Note

Supplied complete with U-bolts.

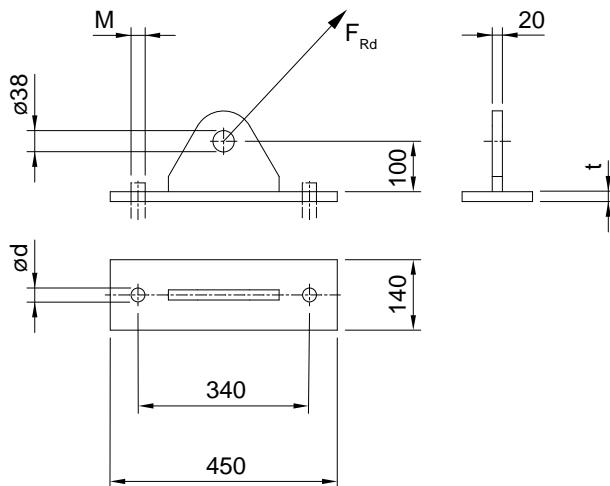
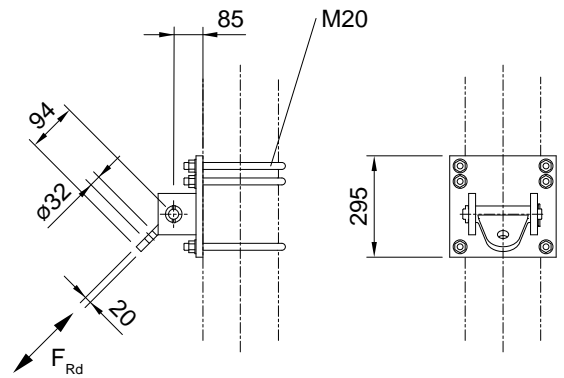
Resistance $F_{Rd}(\text{kN}) = 195$ **Drawing number**

334.00215

Ordering information

on HEB 220

1343.1.22 Mast bracket for telescopic strut



Type	M (mm)	d (mm)	t (mm)	F_{Rd} (kN)
24	24	28	20	36
30	30	38	25	65
36	36	42	30	102

Drawing number

334.00219, .00220, .00221

Ordering information

for thread M 36

1345.1.36 Anchor bracket for anchor rope for 2x screw M36

Type	M (mm)	D (mm)	t (mm)	F _{Rd} (kN)	Wt (kg)
30	30	37	15	136	32
36	36	43	20	213	39

Note

for 4 x Foundation bolts

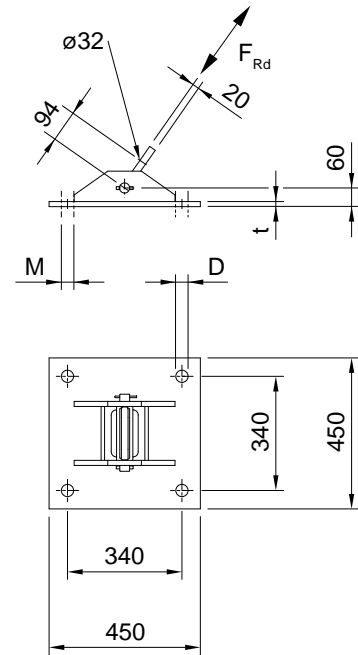
Drawing number

334.00217-1, .00217-2

Ordering information

for thread M36

1348.1.36 Foundation Bracket for Telescopic strut



Mast connection to sloping wall

1411

Mast range

HEB profiles 160-200 / 200-240

Note

Wall bolt 1441

Wall bolt pair 1442

Supplied complete with U-bolts

H = according to local conditions

The static proof for the mast bracket and the indication of the effect on the structure are required in any case.

The proof of the wall bolts is provided by the customer.

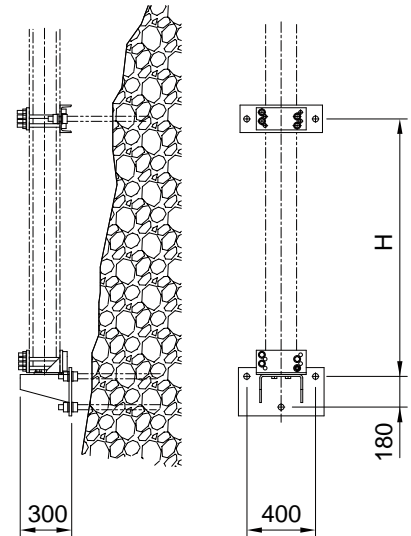
Drawing number

317.00047, .00047-6

Ordering information

for HEB 180

1411.18 Mast connection to sloping wall



Mast range

HEB profiles 160-200

Note

L2 according to local conditions.

Wide-flange mast

Wall bolt pair 1442

Supplied complete with U-bolts.

The static proof for the mast bracket and the indication of the effect on the structure are required in any case.

The proof of the wall bolts is provided by the customer.

Fasteners

Supplied complete with U-bolts.

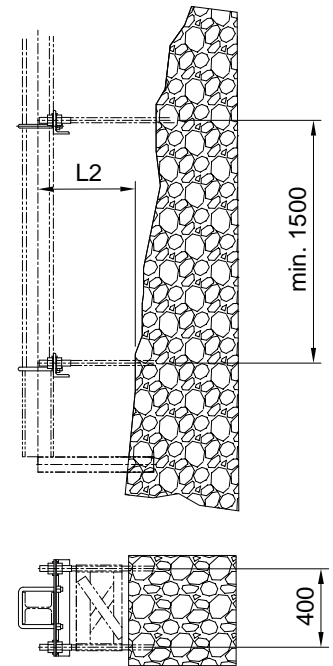
Drawing number

317.00031

Ordering information

for HEB 200

1412.20 Mast connection to wall

**Mast connection to concrete structure**

Type	M (mm)	Mast range
30	30	160 - 220
36	36	240 - 260

Note

Wall bolt 1441

Sleeve frame for mast connection (6 x M 30) 1421

When ordering, please state gradient and length.

Gradient positive (P) max. 15°

Gradient negative (N) max. 15°

For greater gradients 1415

Length L1 according to local conditions.

Length min. 430 mm

Length max. 665 mm

Wall-bolt M30 or hexagonal bolts

M 30x100 with washer M 30

must be ordered separately

The static proof for the mast bracket and the indication of the effect on the structure are required in any case.

The proof of the wall bolts is provided by the customer.

Drawing number

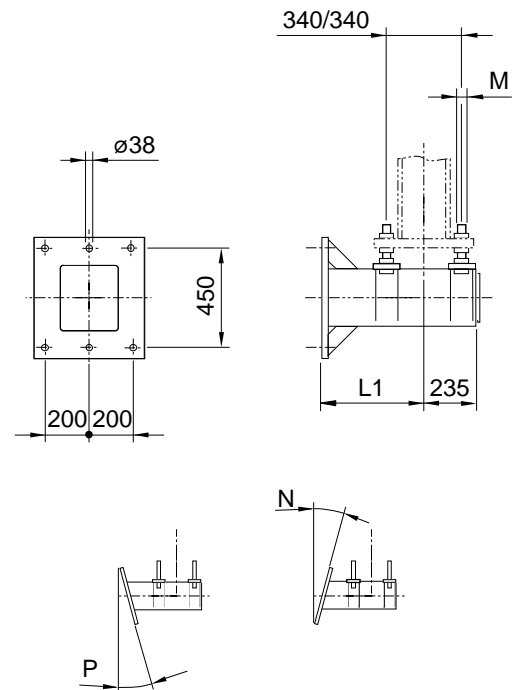
317.00156 - .00159, .00162, .00163

Ordering information

with thread M30, gradient positive 12°,

Length 550 mm

1414.30.P12.550 Mast connection to concrete structure



Type	M (mm)	Mast range
30	30	160 - 220
36	36	240 - 260

Note

Wall bolt 1441

Sleeve frame for mast
connection (6 x M 30) 1421
When ordering, please state
gradient and length.

Gradient positive (P) 16° - 50°
Gradient negative (N) 16° - 50°

Length L1 according to local conditions.

Wall-bolt M30 or hexagonal bolts
M30 x 100 with washer M30
must be ordered separately.

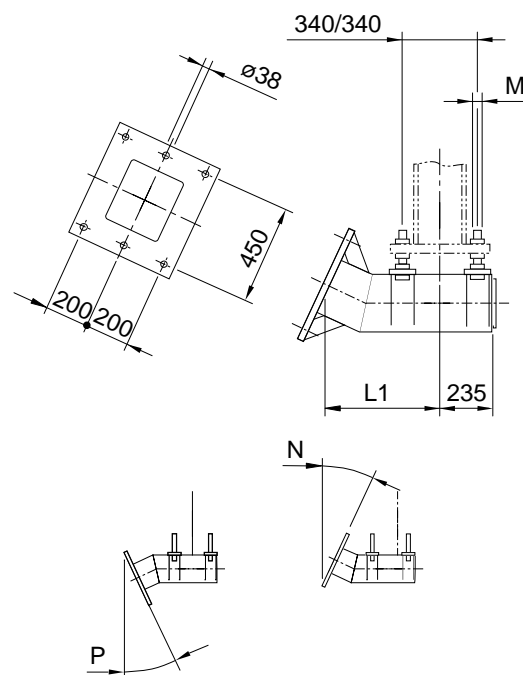
The static proof for the mast bracket and
the indication of the effect on the structure
are required in any case.
The proof of the wall bolts is provided by the customer.

Drawing number

A drawing is made individual for each order

Ordering information

with thread M36, gradient negative 30°,
Length 620 mm
1415.36.N30.620 Mast connection to
concrete structure

**Mast range**

M 30 = HEB 160 - 220

M 36 = HEB 240 - 260

Note

Anchor bolt 1444.24

Sleeve frame for mast
connection (8 x M 24) 1422

When ordering, please state gradient.

Gradient negative (N) 0° - 20°

Anchor bolt M24 and hexagonal bolts
M24x100 with washer M24
must be ordered separately.

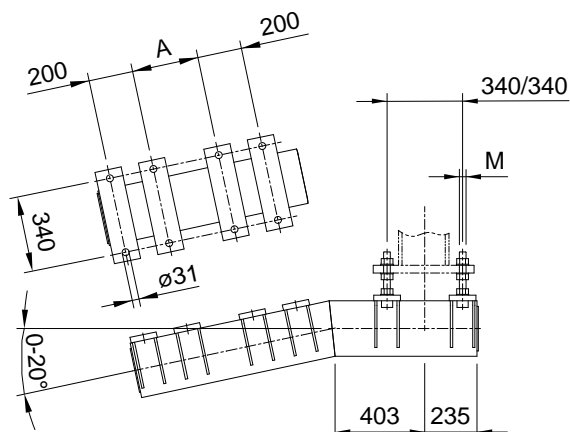
The static proof for the mast bracket and
the indication of the effect on the structure
are required in any case.
The proof of the wall bolts is provided by the customer.
When ordering state length A.

Drawing number

A drawing is made individual for each order

Ordering information

with thread M30, gradient negative 15°, A=300
1416.30.N15.300 Mast connection to
concrete structure



Type	M (mm)	Mast range
30	30	160 - 220
36	36	240 - 260

Note

Wall bolt 1441

Available for slanting walls on request

Wall-bolt M30x600/110, hexagonal bolts
M36x220 with hexagonal nut M36 and washer
 $\varnothing 39 / 66 \times 5$ must be ordered separately. Length L1
according to local conditions
L1 min 525 mm
L1 max 665 mm

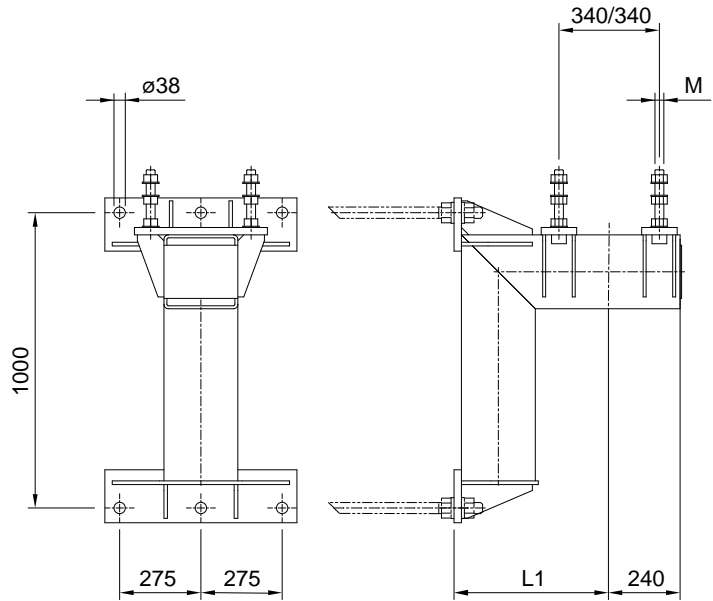
The static proof for the mast bracket and
the indication of the effect on the structure
are required in any case.
The proof of the wall bolts is provided by the customer.

Drawing number

317.00343, .00345

Ordering information

for thread M30

1417.30 Mast connection to natural stone
wall

Sleeve frame for mast connection (6 x M30)

1421

Material

Fe stainless

Note

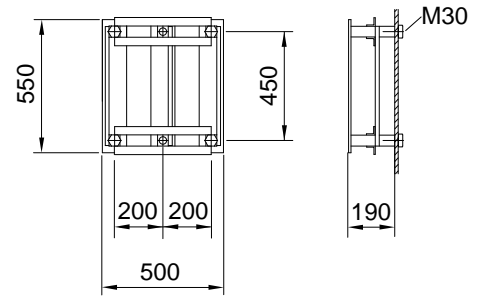
Mast connection 1414 onw

Drawing number

317.00097

Ordering information

1421 Sleeve frame for mast connection (6 x M30)



Sleeve frame for mast connection (8 x M24)

1422

Material

Fe stainless

Note

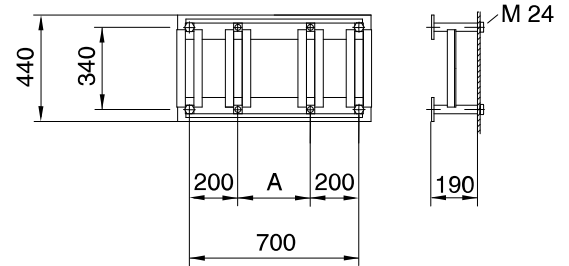
Mast connection 1416
When ordering state length A.
Available 300 - 500 mm.

Drawing number

317.00095

Ordering information

1422 Sleeve frame for mast connection (8 x M24)



Type	L (mm)	B (mm)
35	350	250
40	400	300
45	450	350

Note

Anchor rope 1311
Insulating set 6321

Resistance

F_{Rd} (kN) = 58

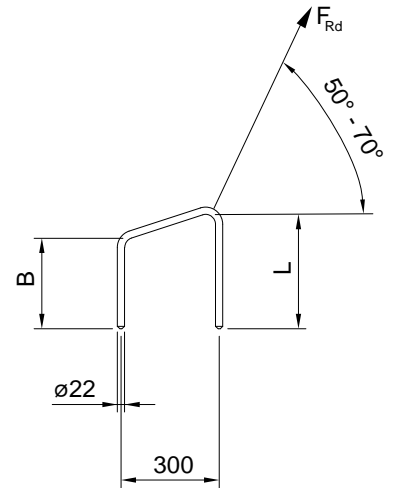
Drawing number

318.00001

Ordering information

Length 350 mm

1431.35 Wall anchor stirrup



Type	Mounting	F_{Rd} (kN)
1	on sleeve frame (with bolts)	44
2	on concrete structure (without bolts)	39

Note

Sleeve frame 1433
Insulating set 6321

Anchor bolt M24 and washer M24 must be ordered separately.

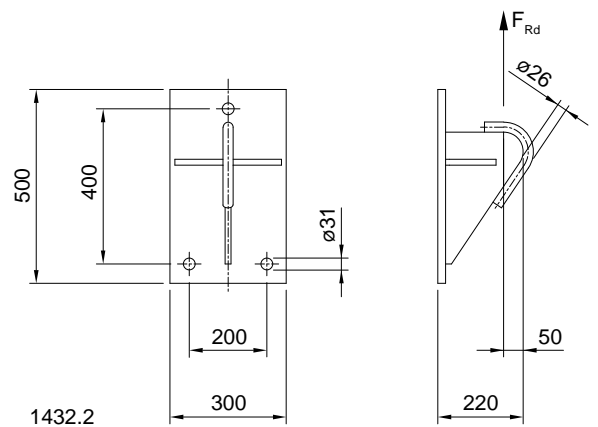
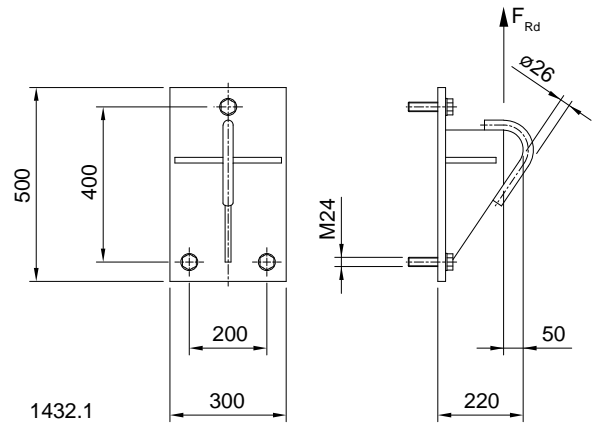
Drawing number

331.00032, .00086

Ordering information

on sleeve frame (with bolts)

1432.1 Anchor plate



Material

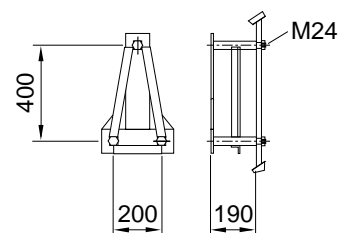
Fe stainless

Drawing number

317.00096

Ordering information

1433 Sleeve frame for anchor plate



Note

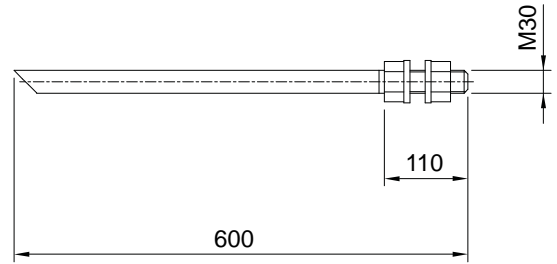
Other bolt lengths on request.

Drawing number

317.00034

Ordering information

1441 Wall bolt M30

**Note**

When ordering, please state length.
Length min. 750 mm
Length max. 1350 mm

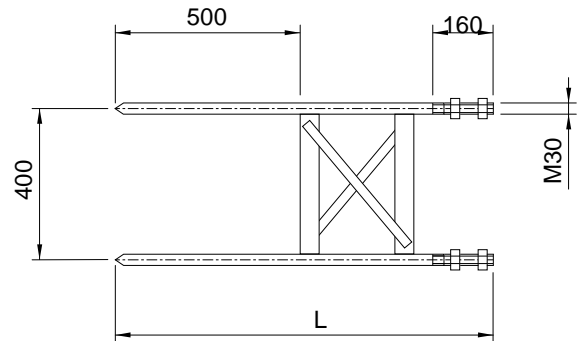
Drawing number

317.00170, .00313, .00315

Ordering information

Length 800 mm

1442.080 Wall bolt pair M30

**Material**

Fe stainless, hot-dip galvanised

Type	M (mm)	L (mm)	T (mm)	D (mm)
12.16	12	160	110	14
16.19	16	190	125	18
16.24	16	240	125	18
16.32	16	320	125	18
20.24	20	240	170	25
20.32	20	320	170	25
24.29	24	290	210	28
30.38	30	380	270	35
36.50	36	500	330	40

Note

Bolt stainless steel and nut hot-dip galvanized.
Other lengths and diameter on request.
The use of anchor bolt must be checked in each case due to the local conditions.
The values in the table should be regarded as guidelines.

Associated parts

Adhesive cartridge 1445

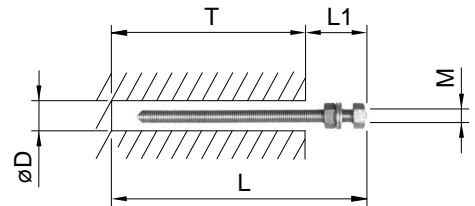
Drawing number

394.00001

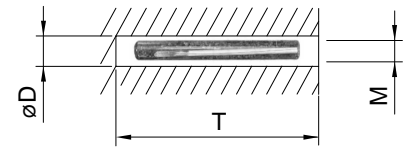
Ordering information

M16, L = 240 mm

1444.16.24 Anchor bolt



Type	for M (mm)	T (mm)	D (mm)
12	12	110	14
16	16	125	18
20	20	170	25
24	24	210	28
30	30	280	35

**Note**

The application of the adhesive cartridge must be checked in each case due to the local conditions.

The values in the table should be regarded as guidelines.

Please follow the instructions for use on the packing.

Drawing number

394.00002

Ordering information

for M20

1445.20 Adhesive cartridge

Type	M (mm)	d (mm)	D (mm)	F _{Rd} (kN)	Material
12	12	12	30	3.4	hot-dip galvanised
12.4	12	12	30	3.4	stainless A4
16	16	14	35	7.0	hot-dip galvanised
16.4	16	14	35	7.0	stainless A4
20	20	16	40	12.0	hot-dip galvanised
20.4	20	16	40	12.0	stainless A4
24	24	20	50	18.0	hot-dip galvanised
24.4	24	20	50	18.0	stainless A4

**Ordering information**

M12

1446.12 Eye nut

Threaded socket with flange for concrete

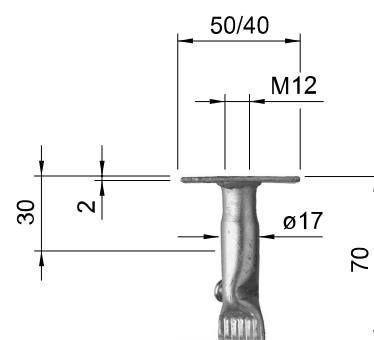
Note

Supplied complete with closing lid.

L1=Length of thread

Ordering information

M12

1447.12 Threaded socket with
flange for concrete

Compact threaded sleeve

Type	M (mm)	L (mm)	L1 (mm)	D (mm)
06	6	25	11	8
08	8	30	13	10
10	10	40	15	12
12	12	50	18	15
16	16	65	23	20
20	20	80	34	25

Note

L1=Length of thread

Ordering information

M10

1448.10 Compact threaded sleeve

