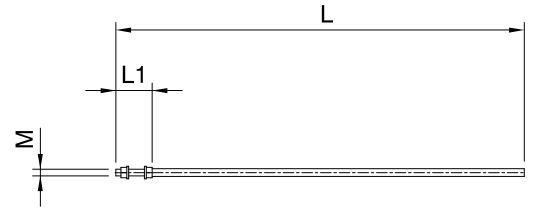


Type	M (mm)	L (mm)	L1 (mm)	AF (mm)	F <sub>Rd</sub> (kN)	Wt (kg)
30.1800	30	1800	160	46	135	10
30.2400	30	2400	160	46	135	13
36.2200	36	2200	180	55	195	16
36.2800	36	2800	180	55	195	22
39.2500	39	2500	180	60	248	22

**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

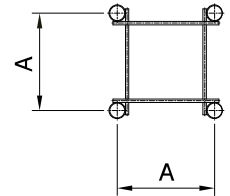
## Spacer for 4 foundation bolts

## 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**

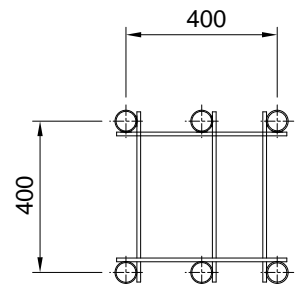
Wt (kg) = 2.8

**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.

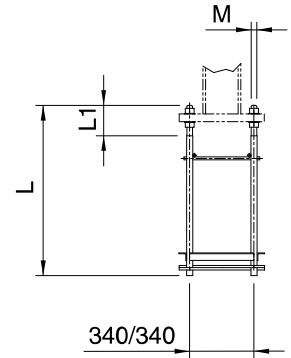
**Drawing number**

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

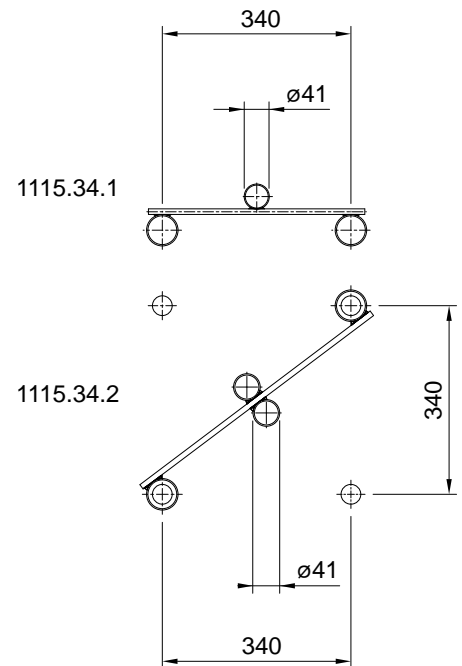
**Drawing number**

328.00123, .00138

**Ordering information**

Distance between bolts 340 mm

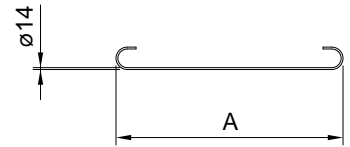
1115.34.1 Spacer for cable adjustment



**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

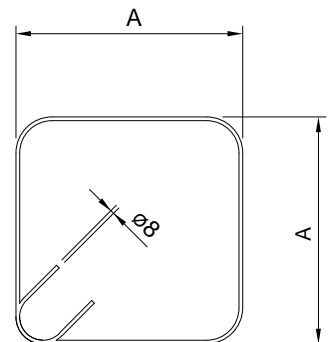
**Drawing number**

311.00153, .00154

**Ordering information**

Link 490 mm

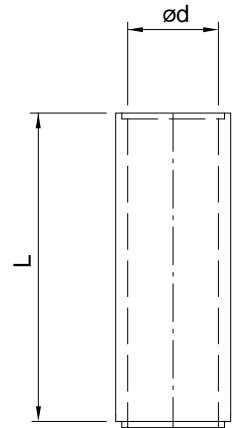
1124.49 Reinforcement link



**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**

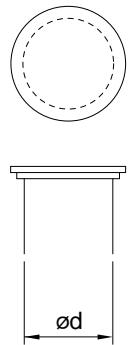
Reinforced concrete

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**

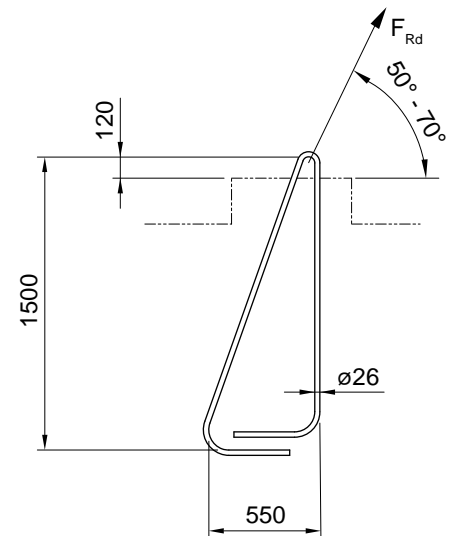
$F_{Rd}$  (kN) = 41

**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)
<b>16</b>	160	42.6	100
<b>18</b>	180	51.2	100
<b>20</b>	200	61.3	110
<b>22</b>	220	71.5	130
<b>24</b>	240	83.2	150
<b>26</b>	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**

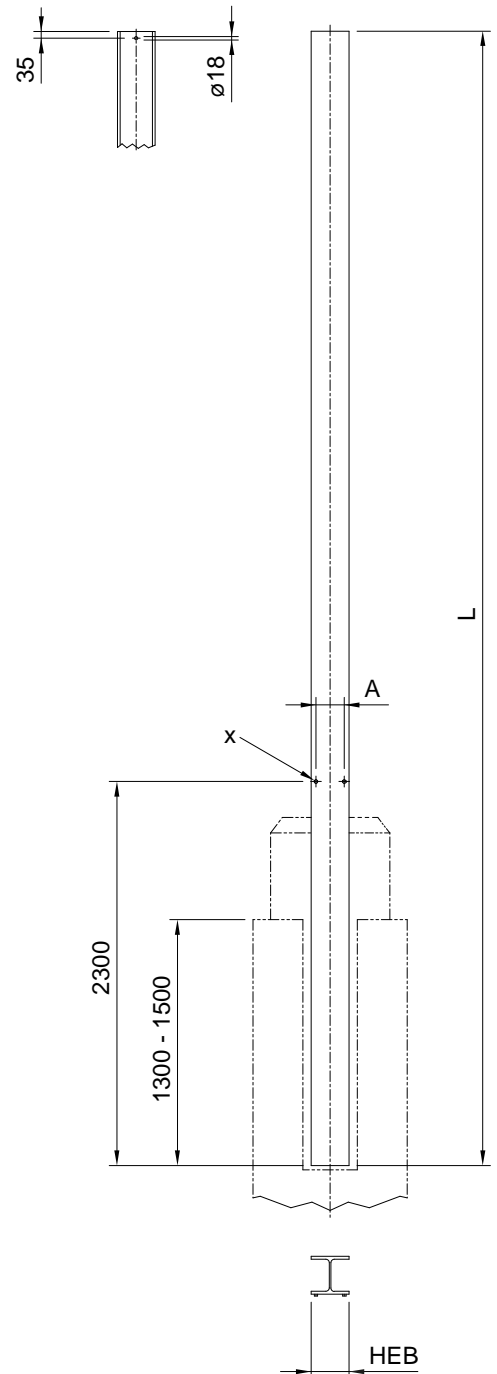
Fastening to bridge/wall 1411 onw

**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**

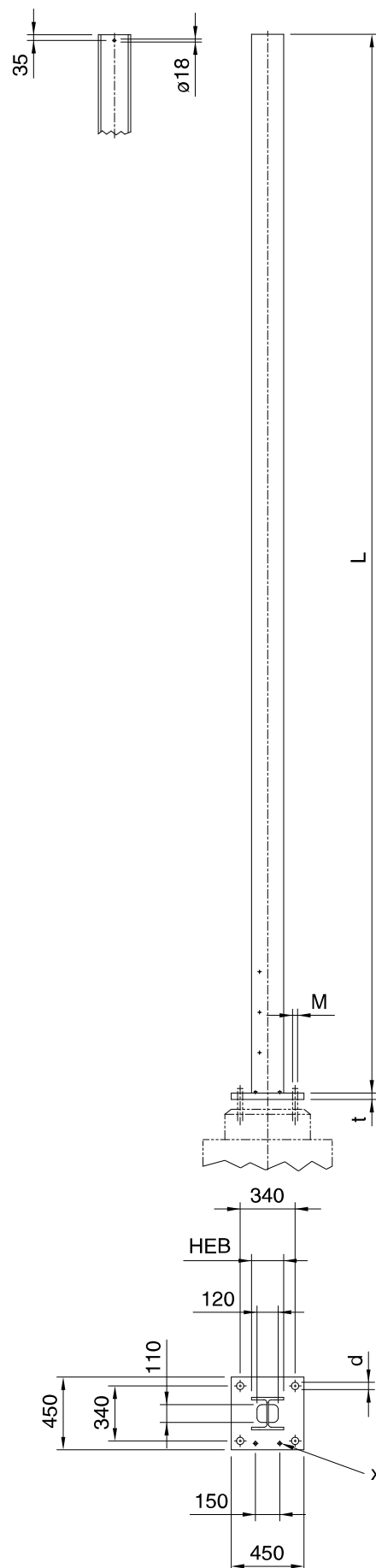
Connection on  
bridge/wall 1414 onw

**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 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**

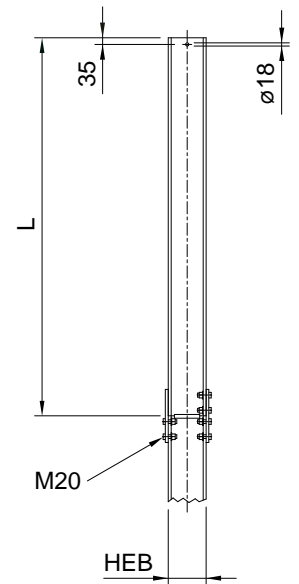
Available in 0,50 m steps.  
State length when ordering.

**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**

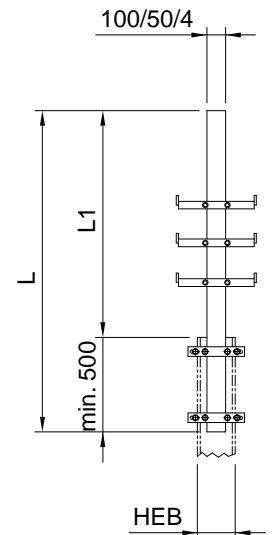
Supplied complete with U-bolts

**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

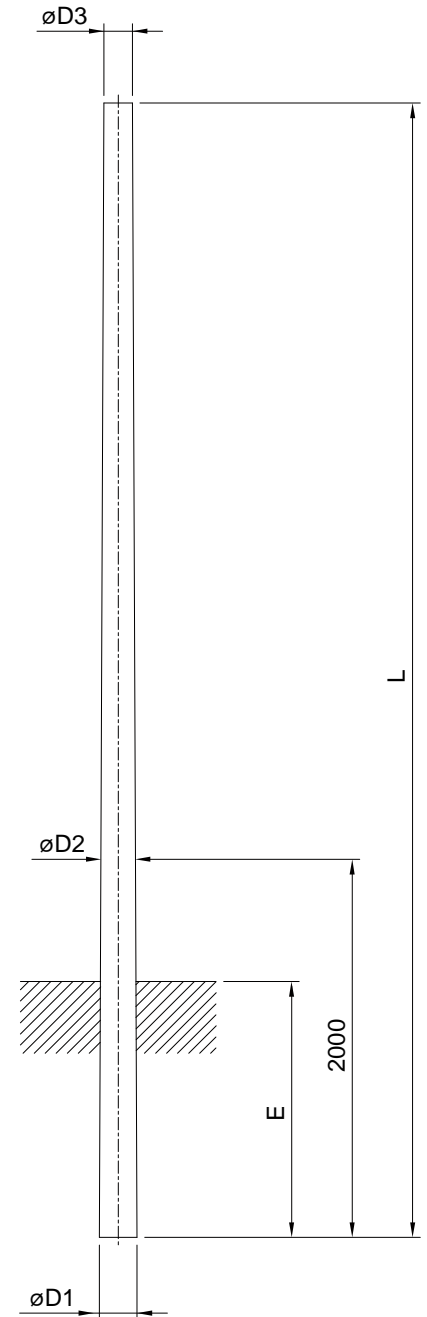
**Note**

Version N: Normal / S: Strong

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

**Ordering information**

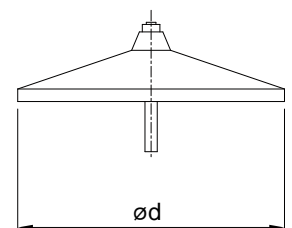
Length 12 m, strong version  
1241.12S Wooden pole



Type	d (mm)
16	160
18	180

**Ordering information**

for ø 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

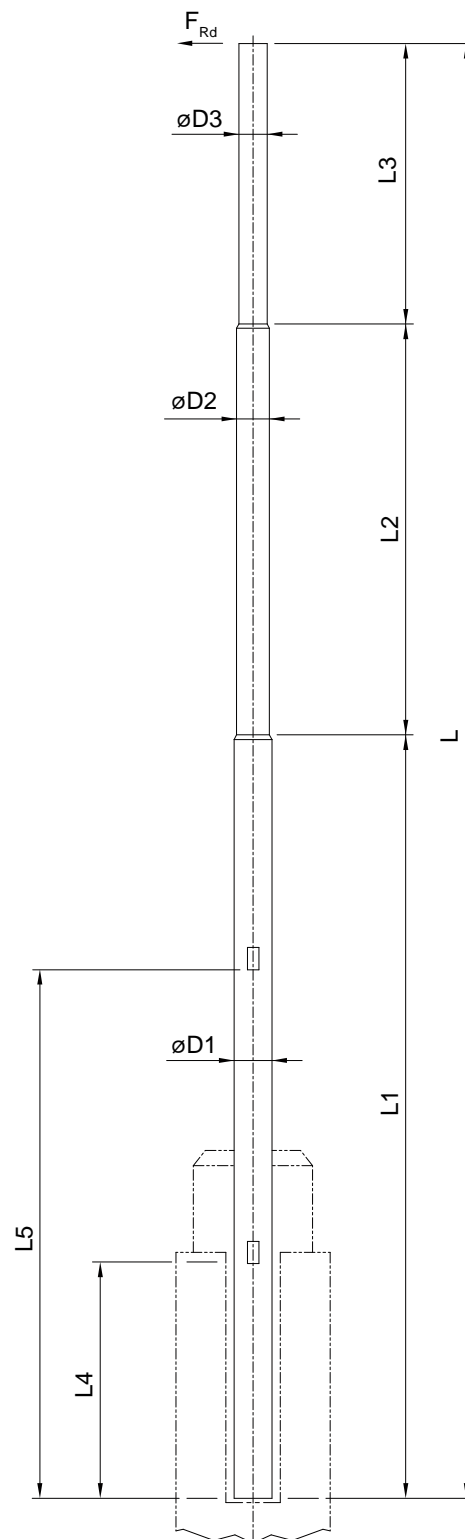
Other lengths available on request.

Cable entry and doors on request.

**Ordering information**

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

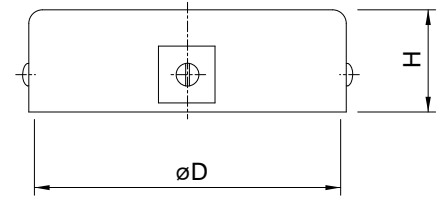
1251.10.08 Tubular steel pole - 3 sections



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

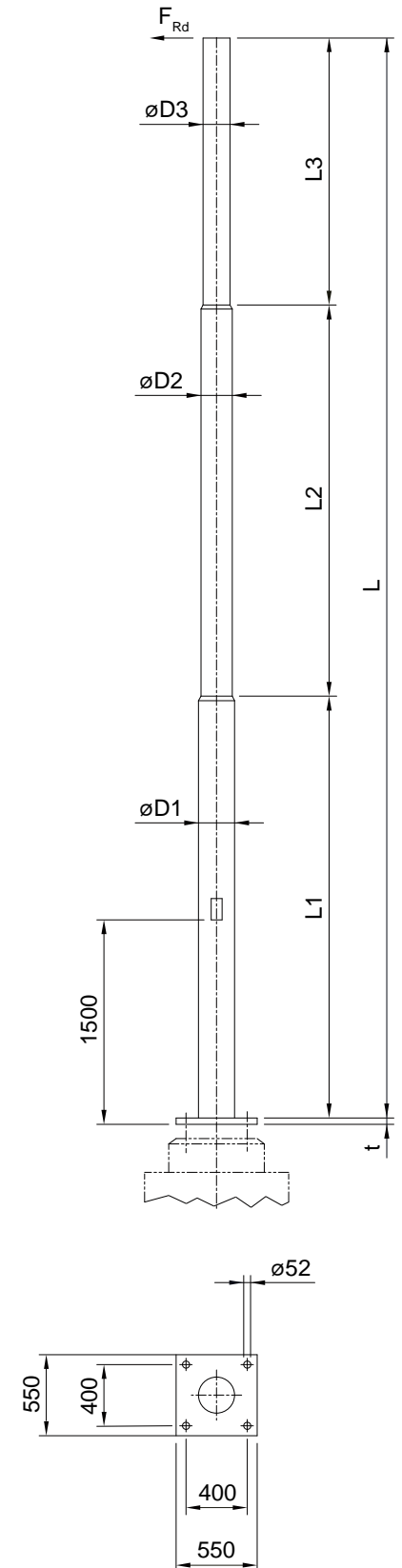
Other lengths available on request.

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

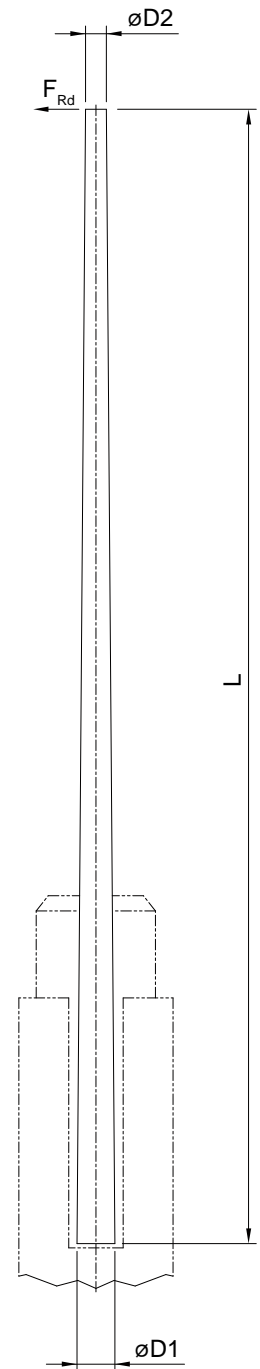


**Note**

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

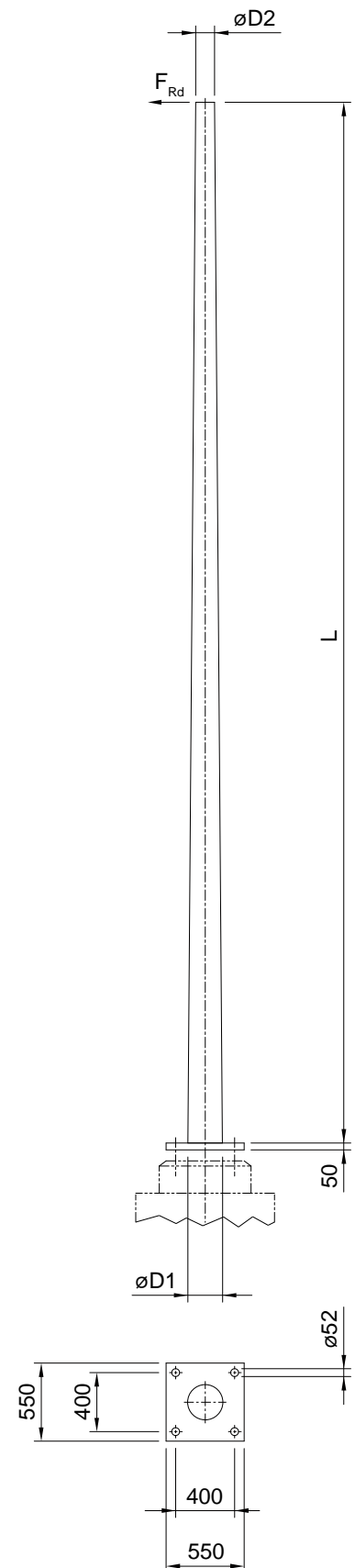


**Note**

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

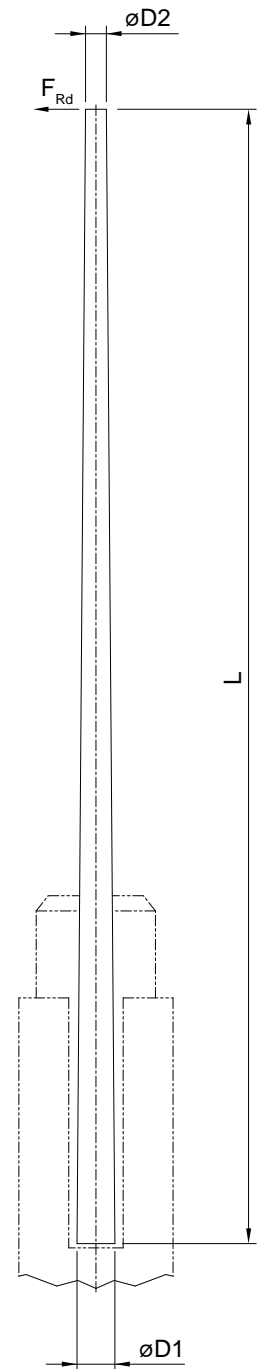
Type	L (m)	F <sub>Rd</sub> (kN)	Wt (kg)
09.06	9	6.0	190
09.10	9	10.0	215
09.14	9	14.0	215
09.18	9	18.0	265
10.06	10	6.0	200
10.10	10	10.0	225
10.14	10	14.0	250
10.18	10	18.0	250
11.10	11	10.0	235
11.14	11	14.0	235

**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<sub>Rd</sub> 14 kN  
1261.11.14 Concrete pole



**Note**

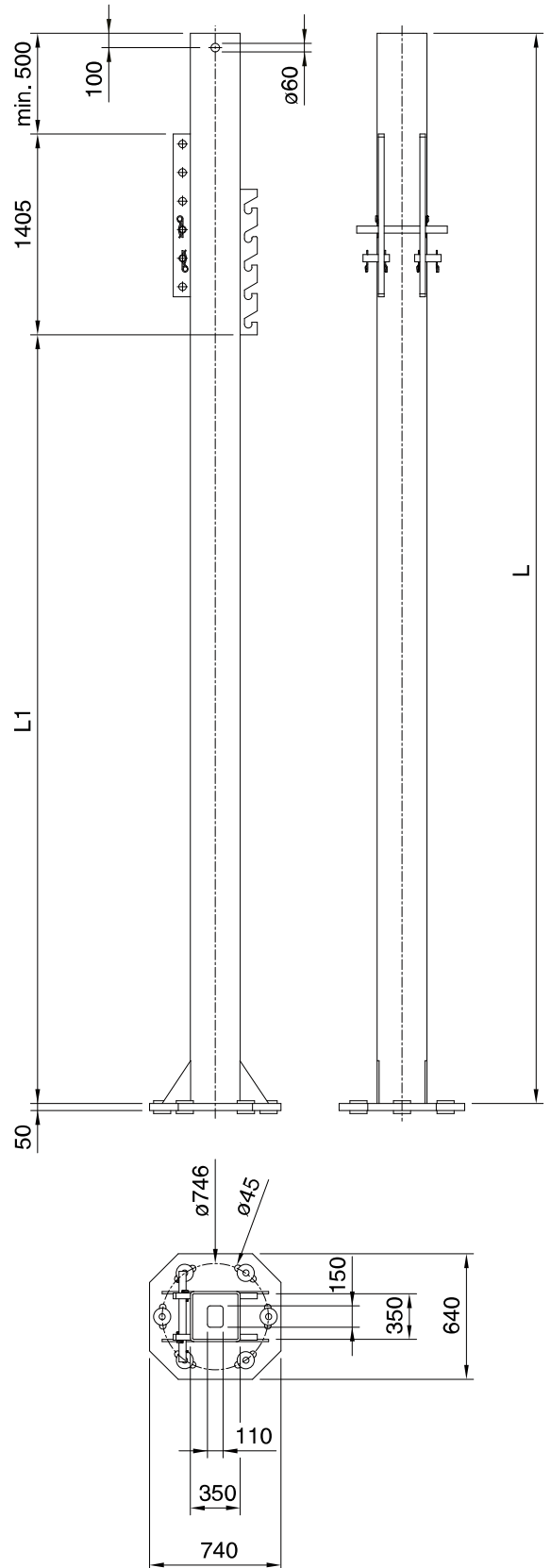
Order possible on request  
State length L and L1 when ordering.

**Associated parts**

TTC-Boom 21101

**Drawing number**

B.01.01.03



**Note**

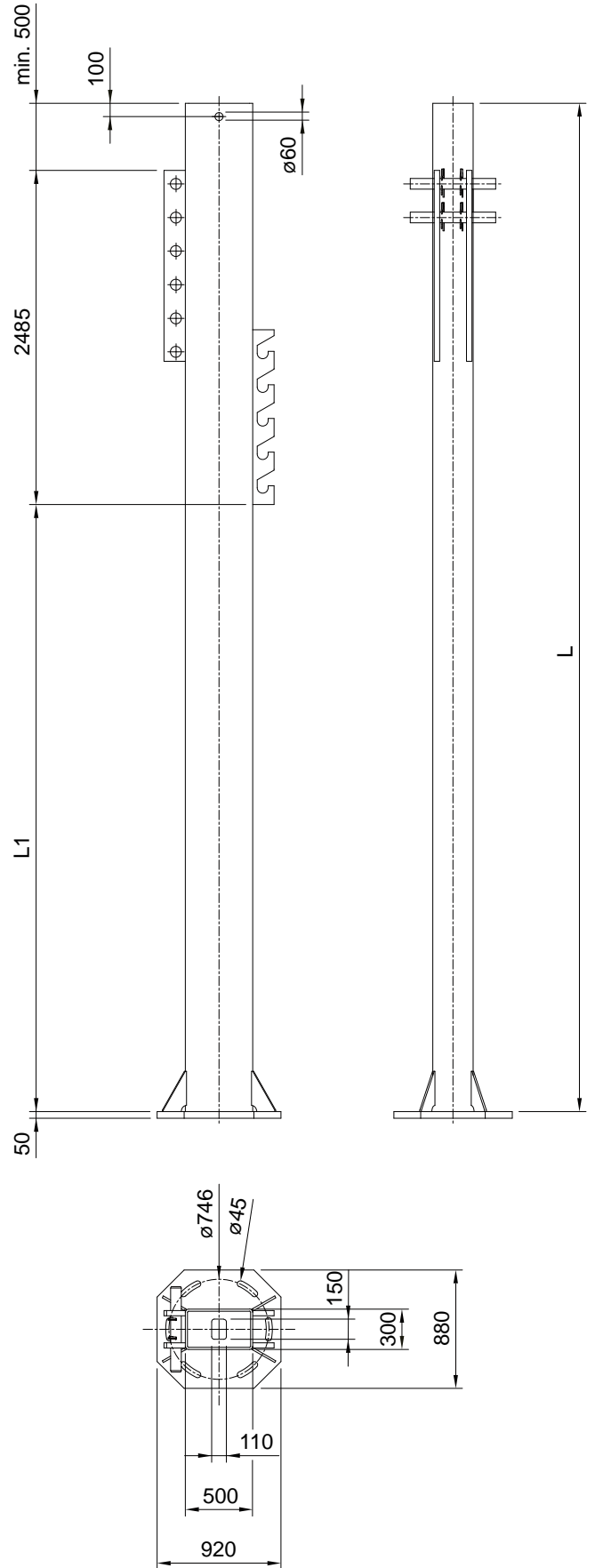
Order possible on request  
State length L and L1 when ordering.

**Associated parts**

TTC-Boom long 21102

**Drawing number**

328.00401



**Note**

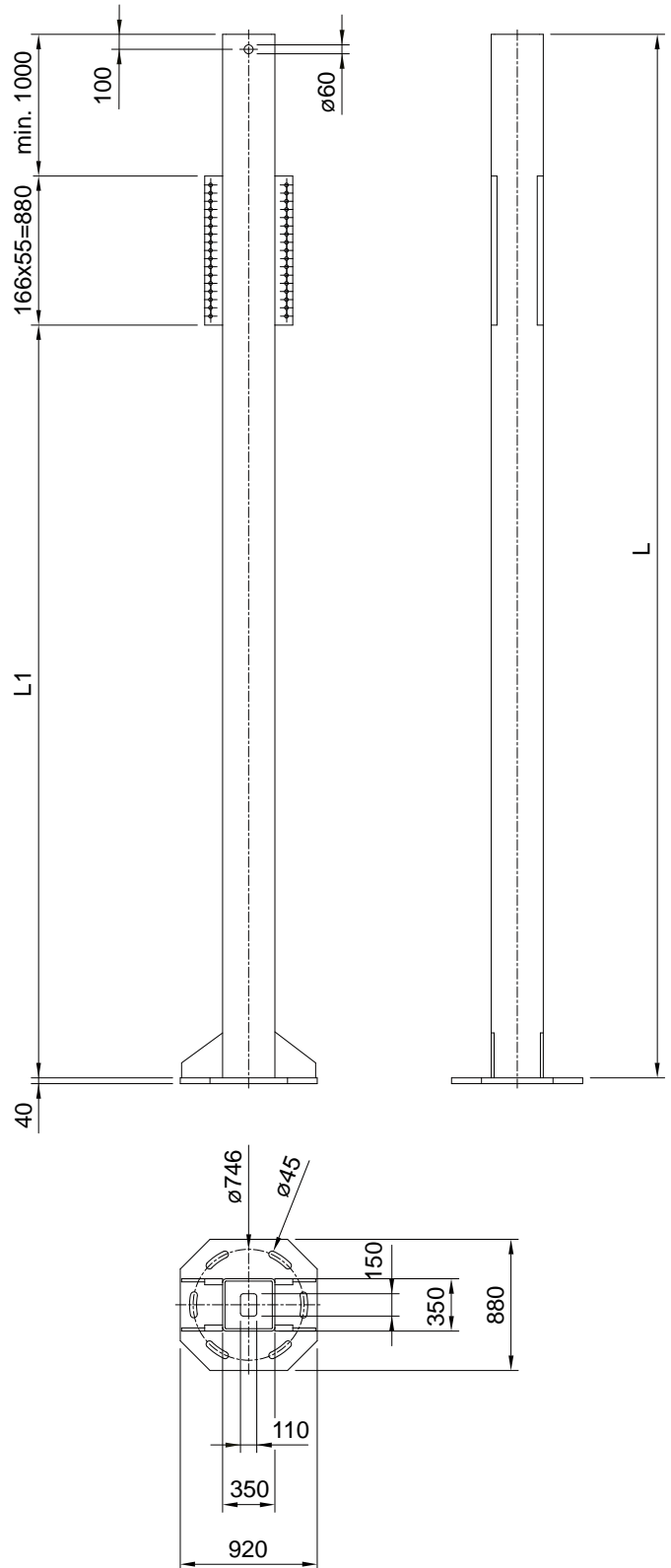
With Mast Base Plate for 6 x Bolt M39  
 on 762 mm Diameter x 16 mm  
 thick Tubular Pile Foundation  
 Order possible on request  
 State length L and L1 when ordering.

**Associated parts**

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

**Drawing number**

328.00337



**Note**

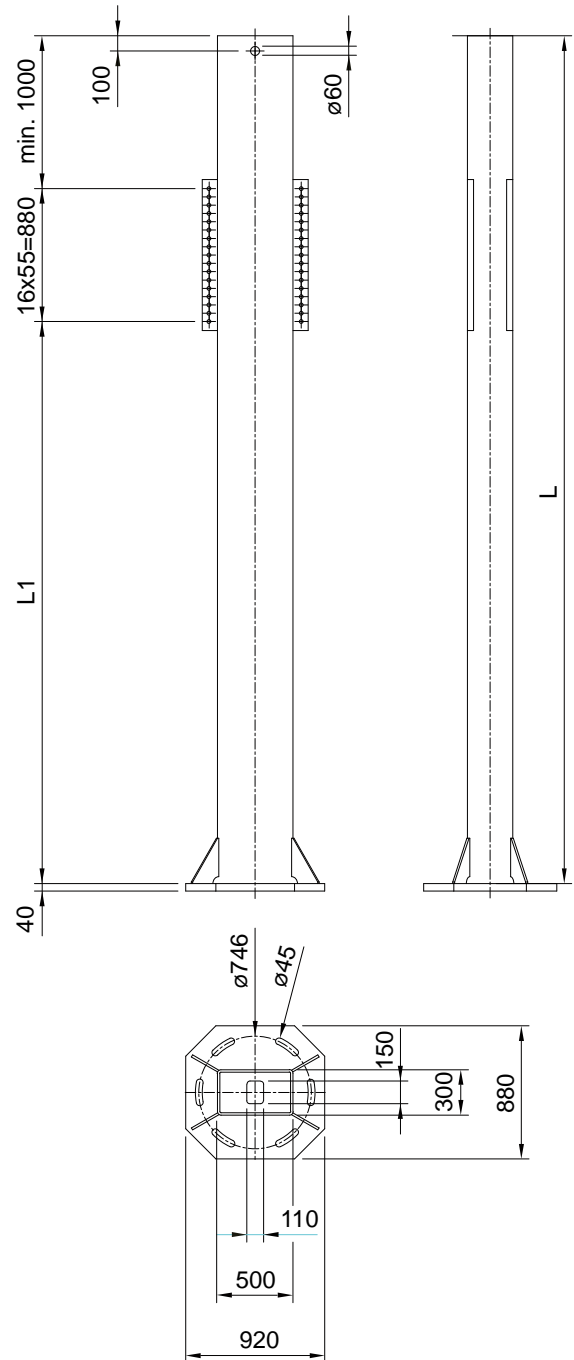
With Mast Base Plate for 6 x Bolt M39  
 Order possible on request  
 State length L and L1 when ordering.

**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**

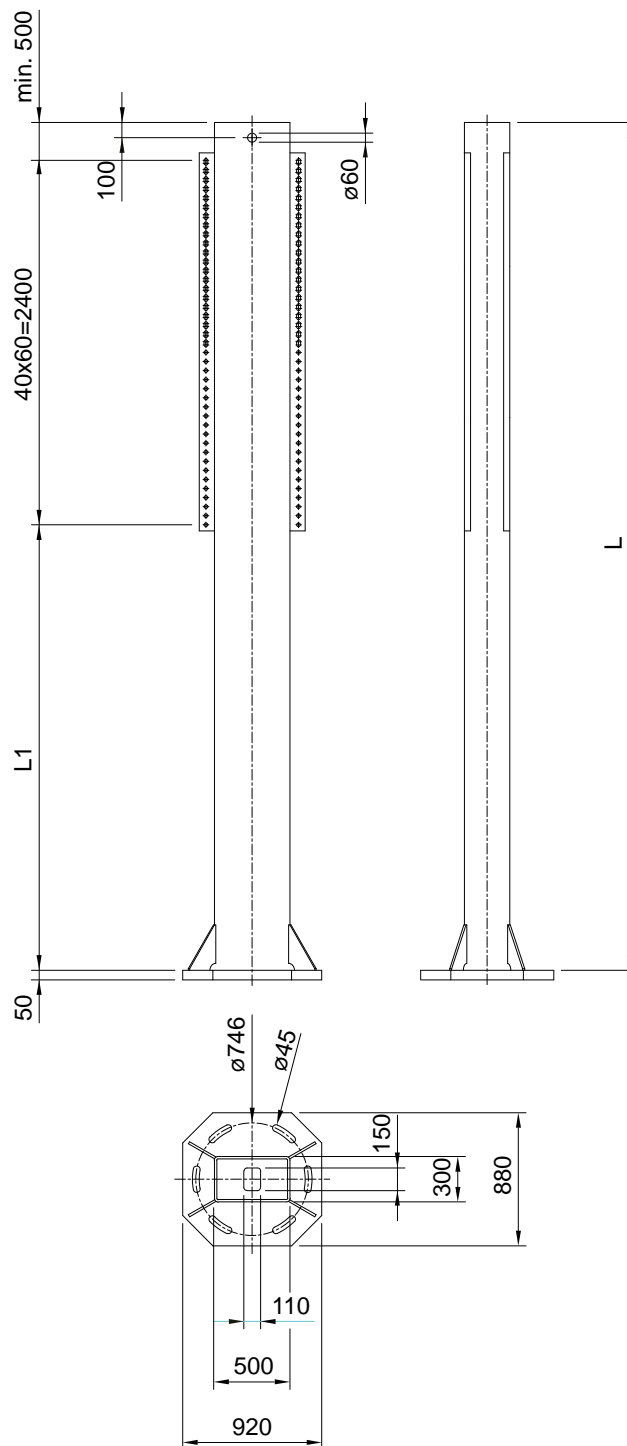
Support Bracket for  
Mono Anchor Boom WEB 450 22702  
Mono Anchor Boom WEB 450 22705

**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**

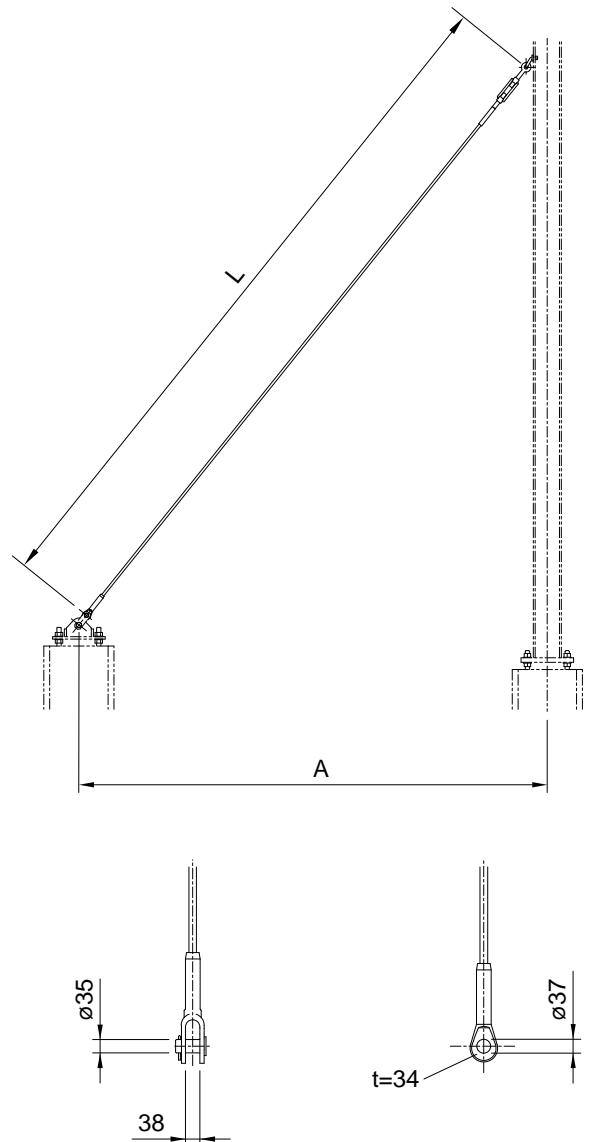
$F_{Rd}$  (kN) = 104

**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**

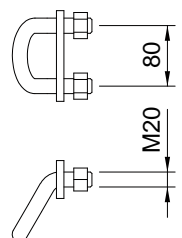
## 1313

**Drawing number**

331.00001

**Ordering information**

1313 Horizontal U-bolt for anchor rope connection

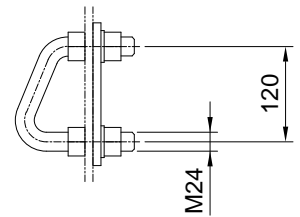


**Drawing number**

331.00053

**Ordering information**

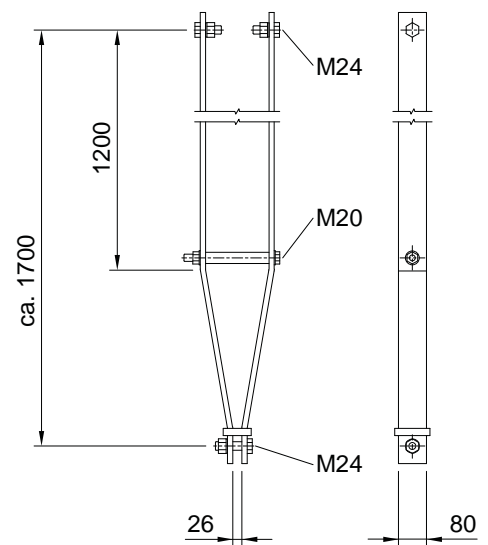
1314 Vertical U-bolt for anchor rope connection



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

**Drawing number**

331.00051

**Ordering information**on HEB 200  
1316.20 Anchor connecting clevis

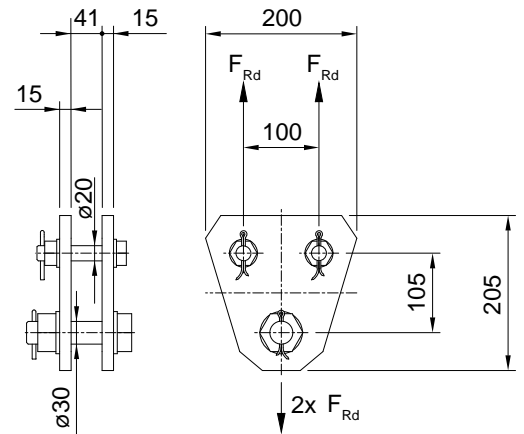
Type	Description
1	without insulating set
2	with insulating set

**Resistance**  
 $F_{Rd}$  (kN) = 104

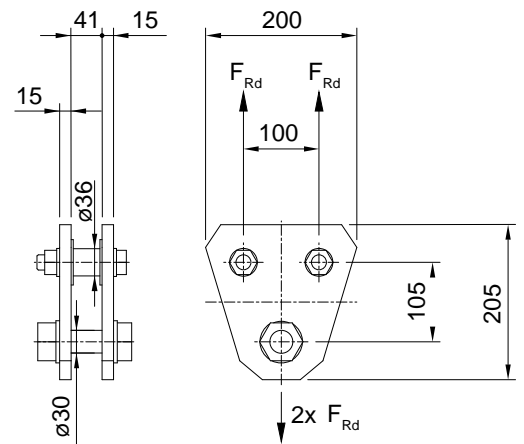
**Drawing number**  
 336.00033, .00036

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

1321.1



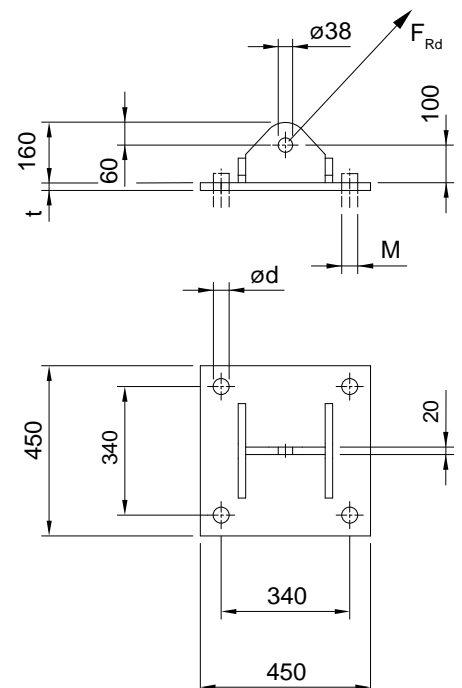
1321.2



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**

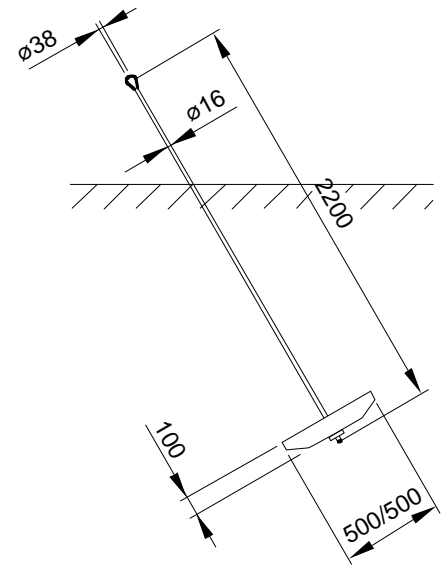
Wt (kg) = 54

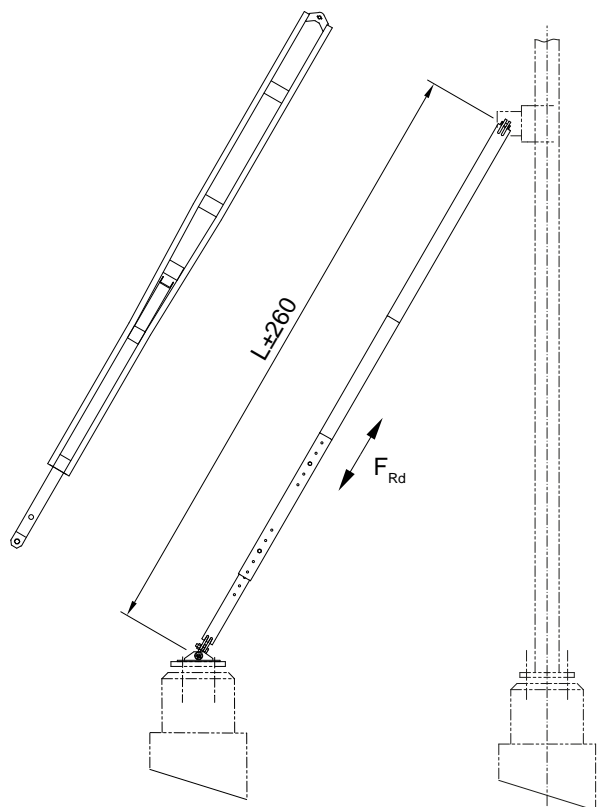
**Drawing number**

331.00008, .00017

**Ordering information**

1332 Plate anchor





Type	L (m)	F <sub>Rd</sub> (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 <sub>Rd</sub> (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

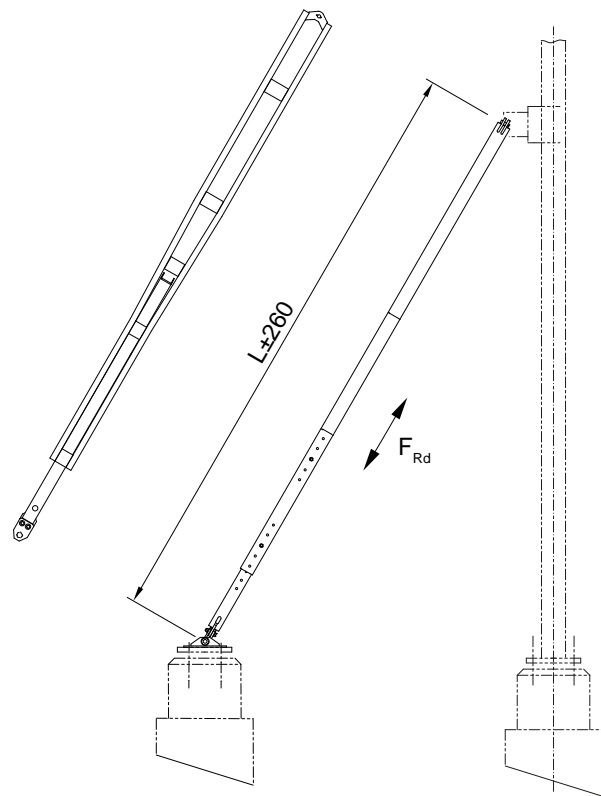
**Drawing number**

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.

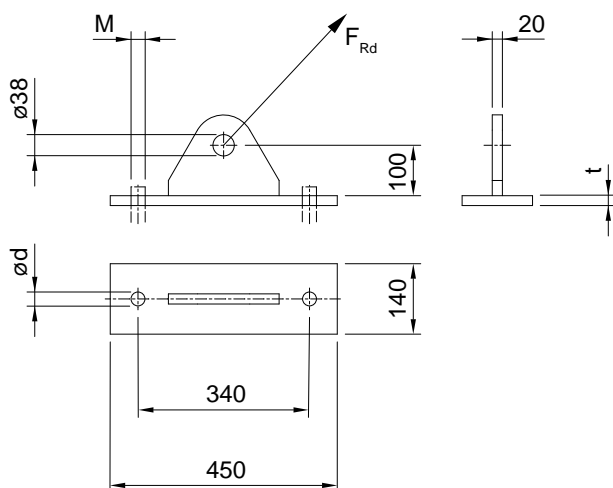
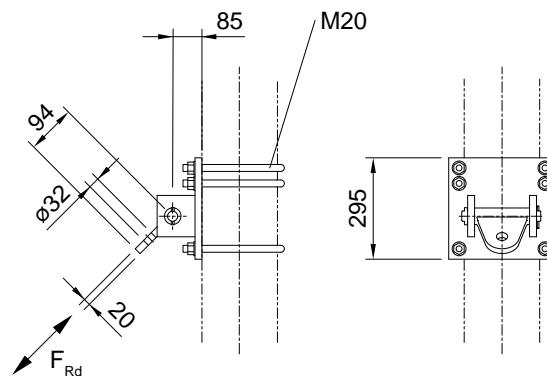
**Resistance** $F_{Rd}(\text{kN}) = 195$ **Drawing number**

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

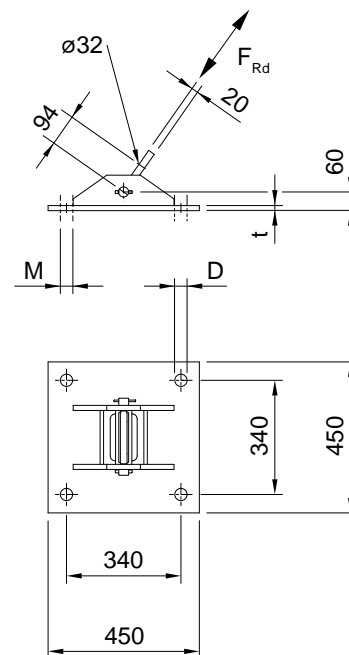
**Drawing number**

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.

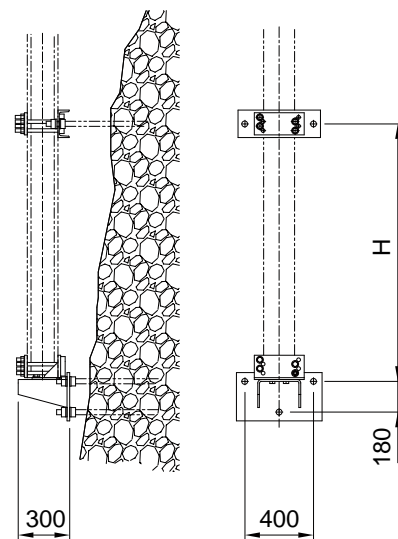
**Drawing number**

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.

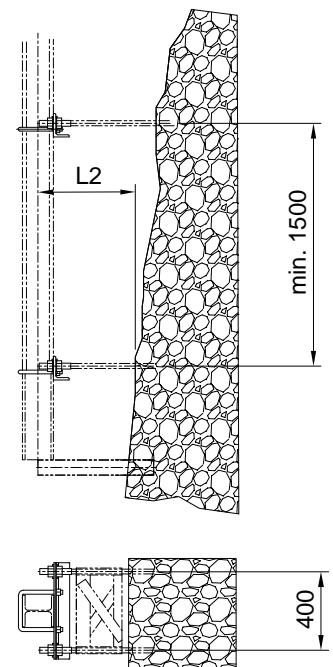
**Drawing number**

317.00031

**Ordering information**

for HEB 200

1412.20 Mast connection to wall

**Mast connection to concrete structure**

## 1414

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**

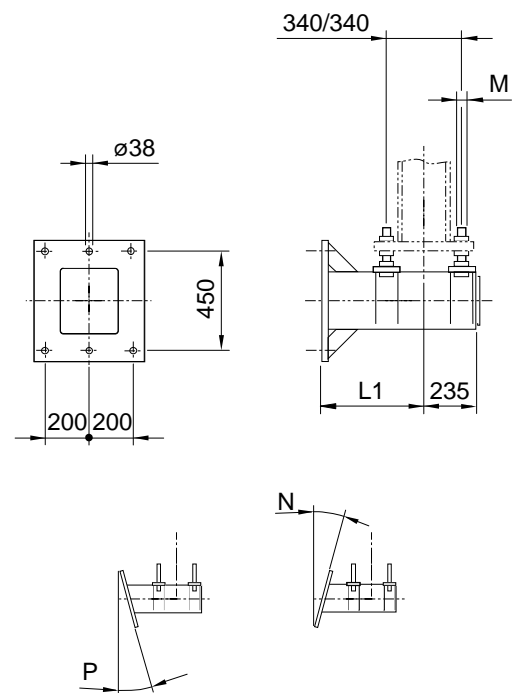
317.00156 - .00159, .00162, .00163

**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.

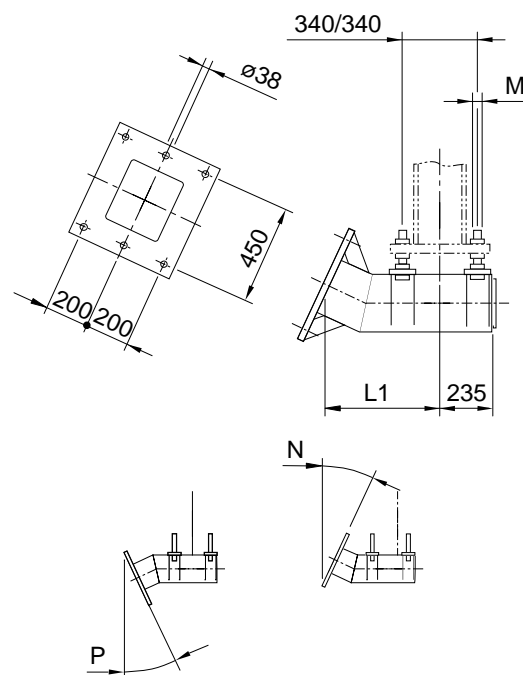
The static proof for the mast bracket and  
the indication of the effect on the structure  
are required in any case.  
The proof of the wall bolts is provided by the customer.

**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.

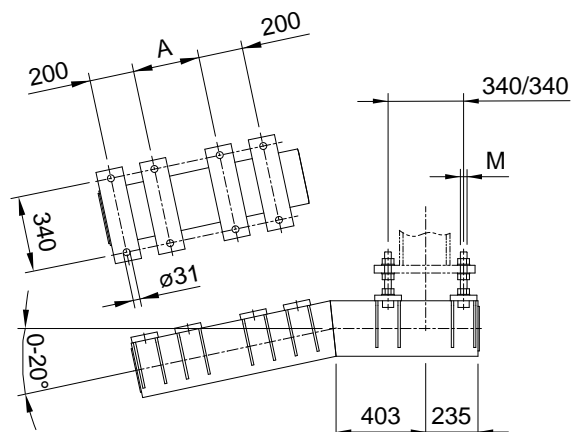
The static proof for the mast bracket and  
the indication of the effect on the structure  
are required in any case.  
The proof of the wall bolts is provided by the customer.  
When ordering state length A.

**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.

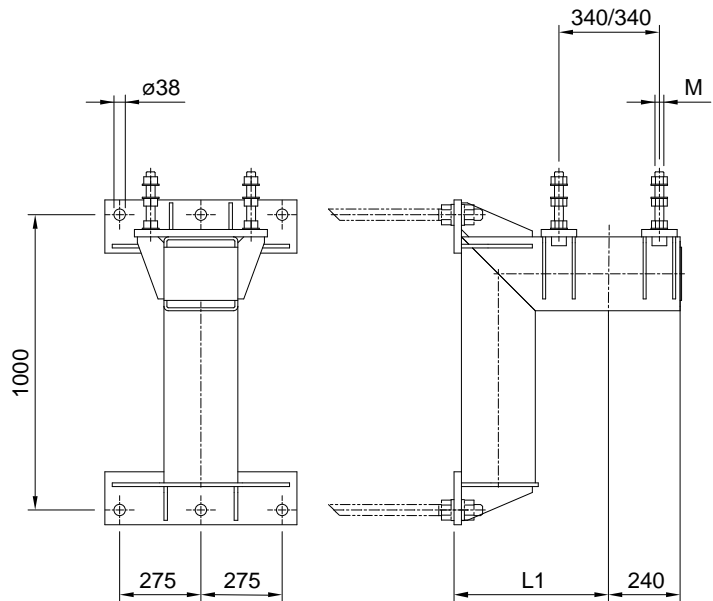
**Drawing number**

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

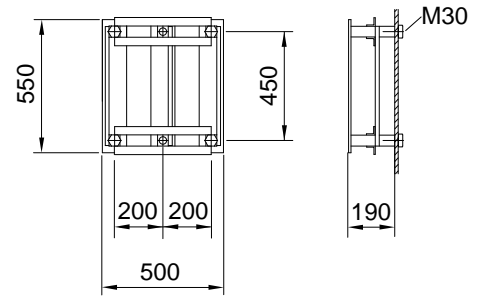
Mast connection 1414 onw

### 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

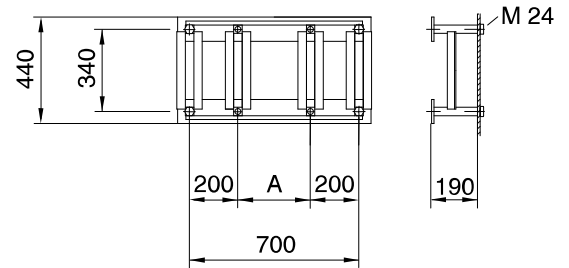
Mast connection 1416  
When ordering state length A.  
Available 300 - 500 mm.

### 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

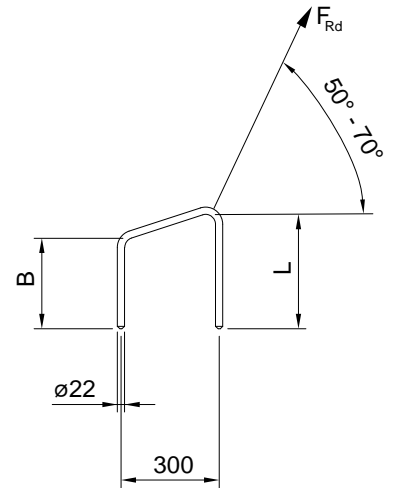
**Drawing number**

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.

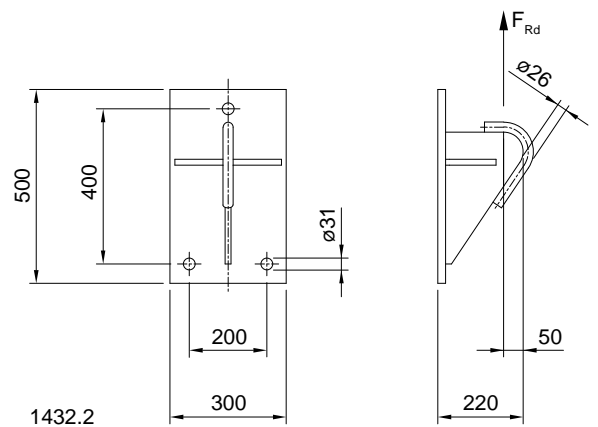
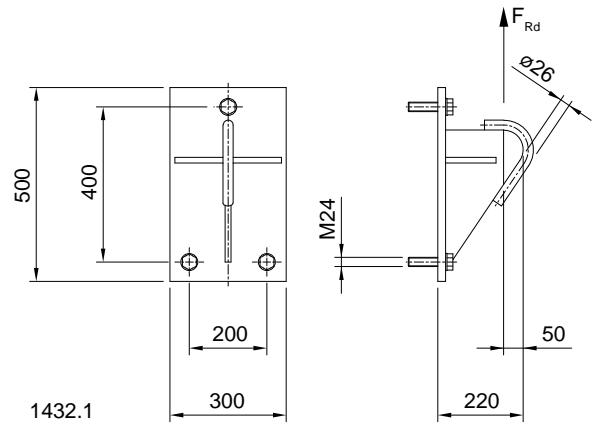
**Drawing number**

331.00032, .00086

**Ordering information**

on sleeve frame (with bolts)

1432.1 Anchor plate



**Material**

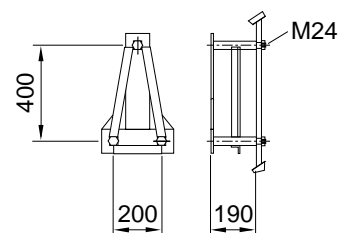
Fe stainless

**Drawing number**

317.00096

**Ordering information**

1433 Sleeve frame for anchor plate



**Note**

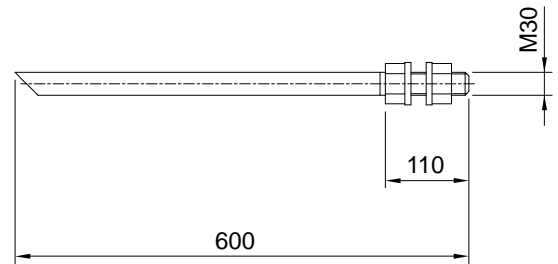
Other bolt lengths on request.

**Drawing number**

317.00034

**Ordering information**

1441 Wall bolt M30

**Note**

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

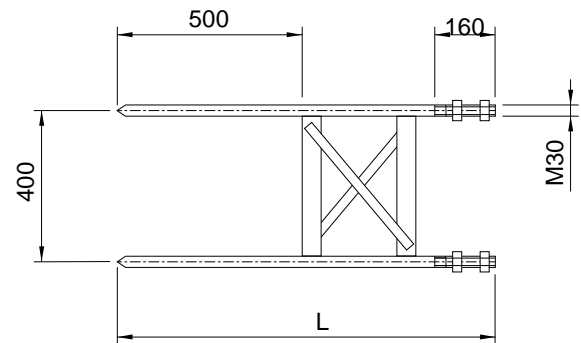
**Drawing number**

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

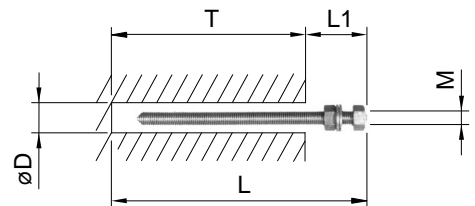
**Drawing number**

394.00001

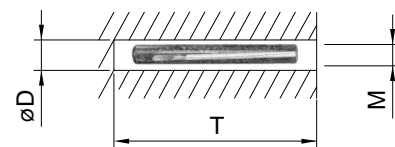
**Ordering information**

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 <sub>Rd</sub> (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

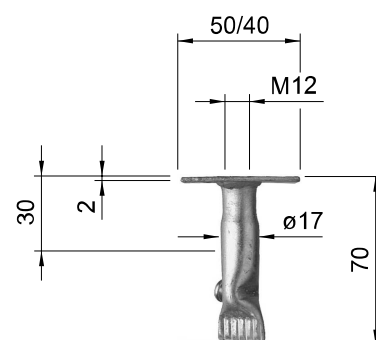
**Note**

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

