

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

