

## DATASHEET

## Top pole – 3 meter $\phi 60,3$

**Specification:**

The top pole is made as 3 m top tube with the following dimensions:  $\phi 60,3 \times 5,0$ .

The top pole is mounted in a top ring with pin steel bolts at the top of the lattice structure.

Dimensions and Quality	3.000 mm $\phi 60,3 \times 5,0$ mm, S355J2 according to EN 10025-2.
Surface:	Hot dip galvanized according to EN ISO 1461.
Fixation:	Pin steel bolts in top ring
Weight:	23 kg
Wind drag area:	0,22 m <sup>2</sup>

**Application:**

The following wind drag area,  $A_{tot}$  can be used for the wind drag area of the top pole, depending on the height of the terrain and wind conditions:

Height above the terrain	In most areas up to Northern Scotland $v_{b,0} = 27$ m/s, TC I	In most areas up to Southern Scotland $v_{b,0} = 24$ m/s, TC II	In most areas in England, Cornwall and Wales $v_{b,0} = 21$ m/s, TC III
75 m	1,13 m <sup>2</sup>	1,55 m <sup>2</sup>	2,38 m <sup>2</sup>
50 m	1,21 m <sup>2</sup>	1,68 m <sup>2</sup>	2,65 m <sup>2</sup>
35 m	1,29 m <sup>2</sup>	1,82 m <sup>2</sup>	2,94 m <sup>2</sup>
25 m	1,38 m <sup>2</sup>	1,97 m <sup>2</sup>	3,25 m <sup>2</sup>
20 m	1,44 m <sup>2</sup>	2,08 m <sup>2</sup>	3,50 m <sup>2</sup>
15 m	1,53 m <sup>2</sup>	2,23 m <sup>2</sup>	3,85 m <sup>2</sup>
10 m	1,67 m <sup>2</sup>	2,48 m <sup>2</sup>	4,46 m <sup>2</sup>

The wind drag area is the total effective wind surface,  $A_{tot} = A_{ref} \times C_f$ , incl.

shape factor that can be installed with center 1.25 m. above tower top. The wind drag area includes the wind drag area of top pole itself.

The design of the member is made according to: BS/EN 1993-1-1 – Design of steel structures – General. BS/EN 1991-1-4 – Actions on structures – Wind actions.