

# DECORATIVE WOODEN POLES

## KEVO -16-Sided Conical



### Wood

All shafts are manufactured from GL28h glued-laminated timber. The raw materials we use to produce our wooden columns are harvested from sustainability managed, PEFC certified forests. All wood is treated with a water-based stain finish consisting of four protective coats, VOCs<100g/l.

The range is designed and developed according to eurocodes 5, standard EN40 and EN1995.

### Steel

Raw material: low-silicon steel (Si + P ≤ 0.04%)  
Zinc coating: international standard EN ISO 1461 (layer thickness typically <90 µm).



## PEDESTRIAN / PARK



| Height (m) | Top Ø (mm) | Base Ø (mm) | Base height (mm) | Door (mm) |       |          | Internal dimensions | Flange (mm)  |       | Embedding (mm) |        |
|------------|------------|-------------|------------------|-----------|-------|----------|---------------------|--------------|-------|----------------|--------|
|            |            |             |                  | Height    | Width | Distance |                     | Bolt spacing | Width | Concrete       | Ground |
| 3          | 90         | 140         | 1300             | 400       | 85    | 500      | 80 x 90             | 200 x 200    | 270   | 500            | 800    |
| 4          | 90         | 140         | 1300             | 400       | 85    | 500      | 80 x 90             | 200 x 200    | 270   | 500            | 800    |
| 5          | 90         | 140         | 1300             | 400       | 85    | 500      | 80 x 90             | 200 x 200    | 270   | 500            | 800    |
| 6          | 90         | 140         | 1300             | 400       | 85    | 500      | 80 x 90             | 200 x 200    | 270   | 500            | 1000   |

## CAPACITY OF THE POLES

| m/s<br>m | 22    |       |       | 24    |       |       | 26    |       |       | 28    |       |       | 32    |       |       |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          | cat 1 | cat 2 | cat 3 | cat 1 | cat 2 | cat 3 | cat 1 | cat 2 | cat 3 | cat 1 | cat 2 | cat 3 | cat 1 | cat 2 | cat 3 |
| 3        | 2,68  | 3,21  | 3,54  | 2,24  | 2,68  | 2,96  | 1,91  | 2,28  | 2,51  | 1,64  | 1,96  | 2,16  | 1,25  | 1,49  | 1,65  |
| 4        | 1,51  | 1,90  | 2,15  | 1,25  | 1,58  | 1,78  | 1,06  | 1,33  | 1,51  | 0,90  | 1,14  | 1,28  | 0,68  | 0,85  | 0,97  |
| 5        | 0,93  | 1,17  | 1,42  | 0,77  | 0,96  | 1,17  | 0,64  | 0,80  | 0,97  | 0,53  | 0,68  | 0,83  | 0,40  | 0,50  | 0,61  |
| 6        | 0,58  | 0,74  | 0,97  | 0,46  | 0,59  | 0,78  | 0,38  | 0,48  | 0,64  | 0,32  | 0,40  | 0,53  | 0,23  | 0,29  | 0,38  |

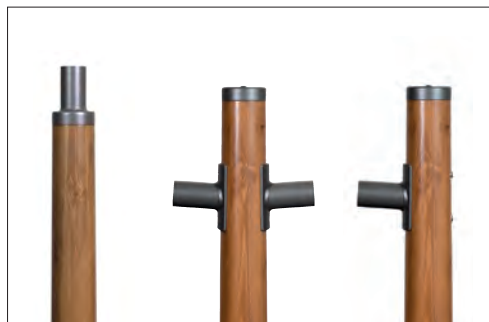
Reference load used for calculation max 20 kg, SCX max m².



In Pedestrian/Park-models lantern is mounted either as post-top or optionally with short side arm.

Spigot options (mm)

- Ø 60 x 70
- Ø 60 x 100
- Ø 76 x 70
- Ø 76 x 100



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## STREET

In Street range decorative arms can be used.



| Height (m) | Top Ø (mm) | Base Ø (mm) | Base height (mm) | Door (mm) |       |          | Flange (mm)         |              | Embedding (mm) |          |        |
|------------|------------|-------------|------------------|-----------|-------|----------|---------------------|--------------|----------------|----------|--------|
|            |            |             |                  | Height    | Width | Distance | Internal dimensions | Bolt spacing | Width          | Concrete | Ground |
| 6          | 100        | 168         | 1400             | 400       | 85    | 500      | 80 x 120            | 200 x 200    | 270            | 600      | 1000   |
| 7          | 100        | 193         | 1400             | 400       | 85    | 500      | 80 x 150            | 300 x 300    | 400            | 700      | 1200   |
| 8          | 100        | 193         | 1400             | 400       | 85    | 500      | 80 x 150            | 300 x 300    | 400            | 700      | 1200   |
| 10         | 120        | 219         | 1600             | 500       | 100   | 500      | 95 x 170            | 300 x 300    | 400            | 700      | 1500   |

## CAPACITY OF THE POLES

| m/s<br>m | 22    | 22    | 22    | 24    | 24    | 24    | 26    | 26    | 26    | 28    | 28    | 28    | 32    | 32    | 32    |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          | cat 1 | cat 2 | cat 3 | cat 1 | cat 2 | cat 3 | cat 1 | cat 2 | cat 3 | cat 1 | cat 2 | cat 3 | cat 1 | cat 2 | cat 3 |
| 6        | 1,38  | 1,70  | 2,19  | 1,15  | 1,41  | 1,81  | 0,96  | 1,19  | 1,52  | 0,83  | 1,01  | 1,29  | 0,62  | 0,76  | 0,97  |
| 7        | 1,47  | 1,78  | 2,38  | 1,23  | 1,49  | 1,98  | 1,03  | 1,25  | 1,67  | 0,87  | 1,07  | 1,43  | 0,65  | 0,80  | 1,07  |
| 8        | 1,09  | 1,32  | 1,84  | 0,89  | 1,09  | 1,51  | 0,75  | 0,91  | 1,26  | 0,63  | 0,78  | 1,07  | 0,45  | 0,57  | 0,79  |
| 10       | 1,17  | 1,39  | 1,88  | 0,96  | 1,15  | 1,55  | 0,80  | 0,96  | 1,29  | 0,65  | 0,82  | 1,10  | 0,42  | 0,57  | 0,81  |

Reference load used for calculation max 20 kg, SCX max m².



## WOOD

Wood is treated against ageing and natural enemies of wood, such as blue stain fungi, mildew and rot. As a natural material wood is expected to expand and shrink as the seasons and moisture change. Our elastic coating is designed to adapt to this behaviour of wood without cracking. Several layers are applied to give wood its final colour and to protect against UV radiation to maintain desired looks. Consistent coating is achieved on by using spray gun and modern drying chamber.



## POWDER COATING



Our Tehocoat ® coating ensures high quality for surface finishing.

Powder coating is a fast, durable and environmentally friendly solution. Coating powders contain no volatile organic compounds and can be used to obtain a durable surface resistant to mechanical and chemical abrasion.

In addition to powder coating, our paint shop can also apply wet paints and Plascoat thermoplastic coatings, and utilize modern solutions to produce different kinds of textures.



NOTE: Due to printing techniques, the colours presented may differ from reality.