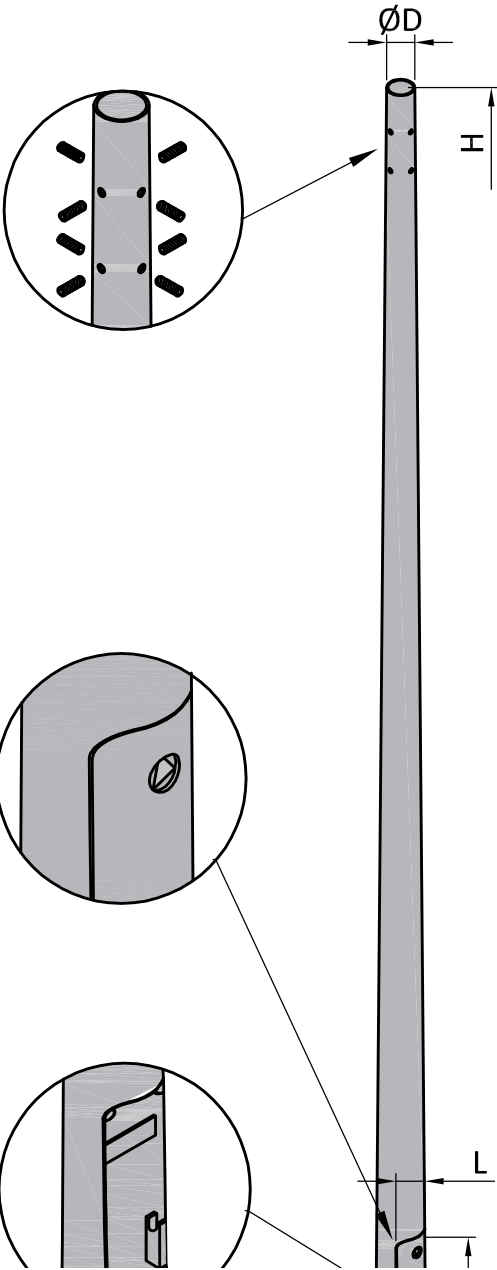




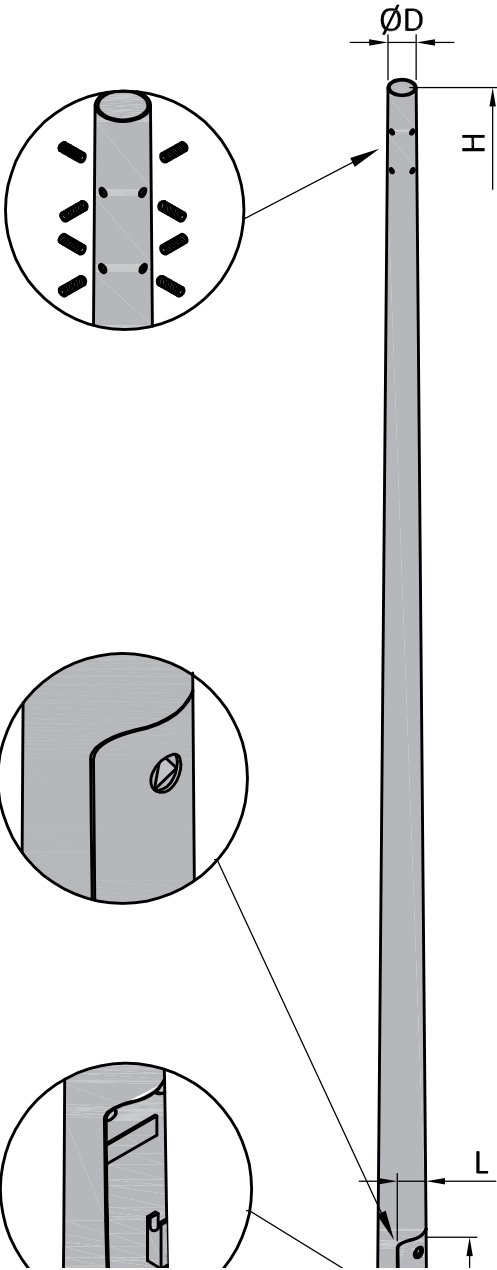
Podstawowe parametry słupa

| Słup             | Wysokość zawieszenia oprawy H | Waga | Ścianka | Średnica górna Ø D | Wymiary wewnętrzne L x L1 | Wymiary podstawy / rozstaw kotew M x N | Typ fundamentu |
|------------------|-------------------------------|------|---------|--------------------|---------------------------|----------------------------------------|----------------|
|                  | [m]                           | [kg] | [mm]    | [mm]               | [mm]                      | [mm]                                   |                |
| CC 3,5m 60/109/3 | 3.5                           | 27   | 3       | 60                 | 80x300                    | 300x200                                | FP1            |
| CC 4m 60/116/3   | 4.0                           | 31   | 3       | 60                 | 75x450                    | 300x200                                | FP1            |
| CC 4,5m60/123/3  | 4.5                           | 36   | 3       | 60                 | 75x450                    | 300x200                                | FP1            |
| CC 5m 60/130/3   | 5.0                           | 41   | 3       | 60                 | 75x450                    | 300x200                                | FP1            |
| CC 6m 60/144/3   | 6.0                           | 52   | 3       | 60                 | 75x450                    | 300x200                                | FP1            |

Parametry wytrzymałościowe słupa

| Słup             | Maksymalna waga pojedynczej oprawy | Maksymalna powierzchnia boczna pojedynczej oprawy |            |                      |            |                     |            | MF    | T    |
|------------------|------------------------------------|---------------------------------------------------|------------|----------------------|------------|---------------------|------------|-------|------|
|                  |                                    | Kategoria terenu II                               |            | Kategoria terenu III |            | Kategoria terenu IV |            |       |      |
|                  |                                    | Strefa I*                                         | Strefa II* | Strefa I*            | Strefa II* | Strefa I*           | Strefa II* |       |      |
|                  | [kg]                               | [m²]                                              | [m²]       | [m²]                 | [m²]       | [m²]                | [m²]       | [kNm] | [kN] |
| CC 3,5m 60/109/3 | 50                                 | 1.00                                              | 0.73       | 1.15                 | 0.76       | 1.26                | 0.85       | 4.60  | 1.11 |
| CC 4m 60/116/3   | 50                                 | 1.05                                              | 0.71       | 1.20                 | 0.81       | 1.20                | 1.05       | 4.60  | 1.17 |
| CC 4,5m60/123/3  | 50                                 | 1.00                                              | 0.68       | 1.20                 | 0.80       | 1.31                | 0.88       | 4.60  | 1.24 |
| CC 5m 60/130/3   | 50                                 | 0.83                                              | 0.52       | 1.00                 | 0.65       | 1.08                | 0.71       | 4.60  | 1.16 |
| CC 6m 60/144/3   | 50                                 | 0.80                                              | 0.52       | 1.05                 | 0.69       | 1.13                | 0.73       | 6.00  | 1.34 |

\*Strefa wiatrowa według PN-EN 1991-1-4 Eurokod 1 (PN-77/B-02011:1997 / Az1:2009) do wysokości 300 m n.p.m.



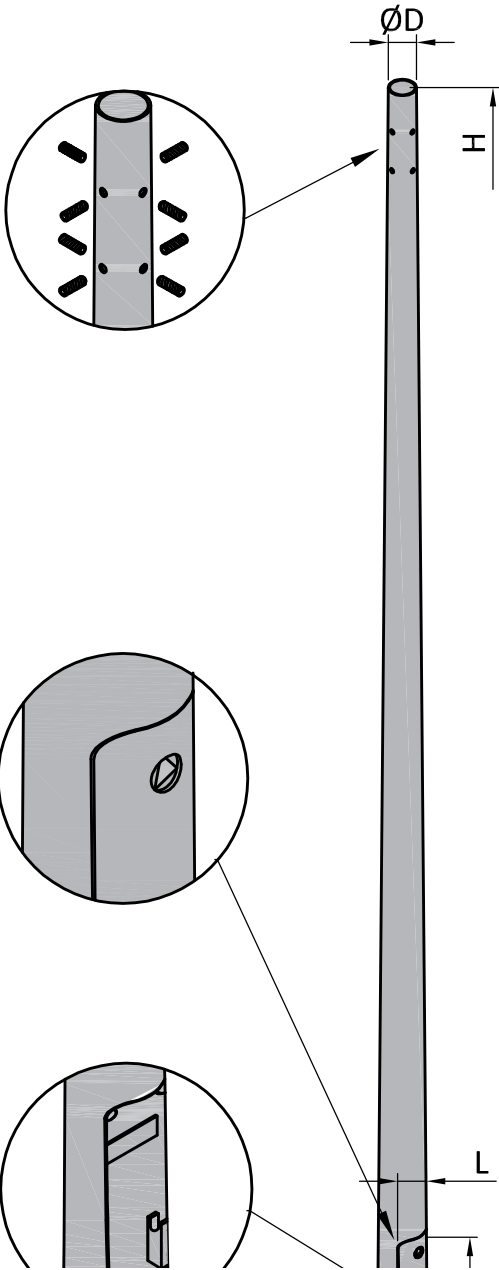
Podstawowe parametry słupa

| Słup            | Wysokość zawieszenia oprawy H | Waga | Ścianka | Średnica górna Ø D | Wymiary wewnętrzne L x L1 | Wymiary podstawy / rozstaw kotew M x N | Typ fundamentu |
|-----------------|-------------------------------|------|---------|--------------------|---------------------------|----------------------------------------|----------------|
|                 | [m]                           | [kg] | [mm]    | [mm]               | [mm]                      | [mm]                                   |                |
| CC 7m 60/158/3  | 7.0                           | 71   | 3       | 60                 | 100x500                   | 410x300                                | FP2            |
| CC 8m 60/172/3  | 8.0                           | 84   | 3       | 60                 | 100x500                   | 410x300                                | FP2            |
| CC 9m 60/186/3  | 9.0                           | 100  | 3       | 60                 | 130x600                   | 410x300                                | FP3            |
| CC 10m 60/200/3 | 10.0                          | 114  | 3       | 60                 | 130x600                   | 410x300                                | FP3            |

Parametry wytrzymałościowe słupa

| Słup            | Maksymalna waga pojedynczej oprawy | Maksymalna powierzchnia boczna pojedynczej oprawy |            |                      |            |                     |            | MF    | T    |
|-----------------|------------------------------------|---------------------------------------------------|------------|----------------------|------------|---------------------|------------|-------|------|
|                 |                                    | Kategoria terenu II                               |            | Kategoria terenu III |            | Kategoria terenu IV |            |       |      |
|                 |                                    | Strefa I*                                         | Strefa II* | Strefa I*            | Strefa II* | Strefa I*           | Strefa II* |       |      |
|                 | [kg]                               | [m²]                                              | [m²]       | [m²]                 | [m²]       | [m²]                | [m²]       | [kNm] | [kN] |
| CC 7m 60/158/3  | 50                                 | 0.70                                              | 0.42       | 0.94                 | 0.61       | 1.07                | 0.70       | 12.00 | 1.33 |
| CC 8m 60/172/3  | 50                                 | 0.66                                              | 0.42       | 0.96                 | 0.64       | 1.41                | 0.92       | 12.00 | 1.45 |
| CC 9m 60/186/3  | 50                                 | 0.41                                              | 0.20       | 0.61                 | 0.35       | 0.74                | 0.42       | 13.50 | 1.36 |
| CC 10m 60/200/3 | 50                                 | 0.42                                              | 0.22       | 0.63                 | 0.38       | 0.77                | 0.48       | 13.50 | 1.49 |

\*Strefa wiatrowa według PN-EN 1991-1-4 Eurokod 1 (PN-77/B-02011:1997 / Az1:2009) do wysokości 300 m n.p.m.



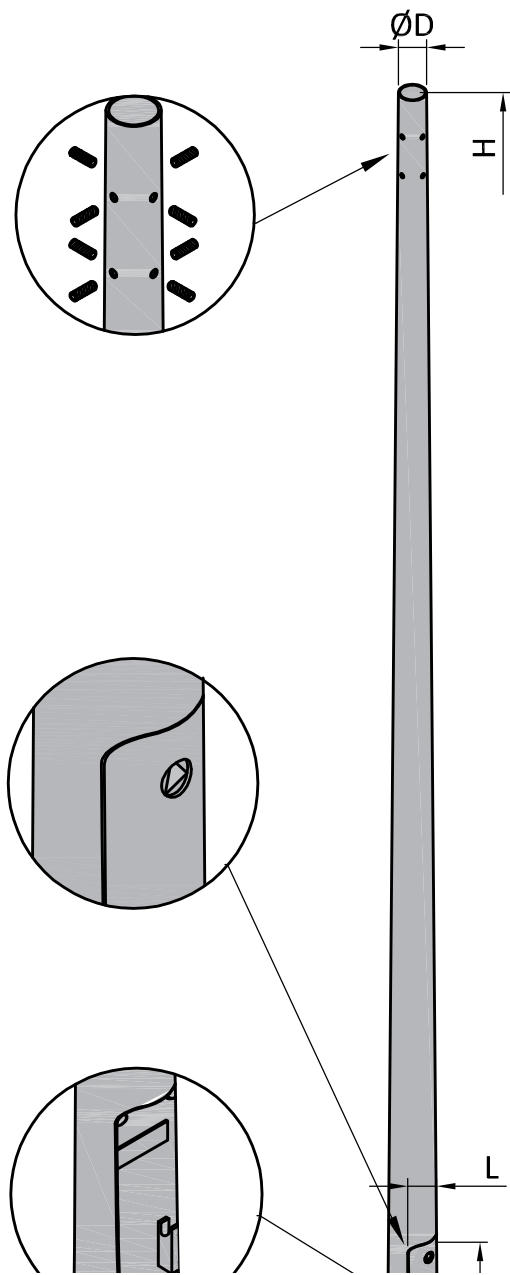
Podstawowe parametry słupa

| Słup             | Wysokość zawieszenia oprawy H | Waga | Ścianka | Średnica górna Ø D | Wymiary wnętrza L x l1 | Wymiary podstawy / rozstaw kotew M x N | Typ fundamentu |
|------------------|-------------------------------|------|---------|--------------------|------------------------|----------------------------------------|----------------|
|                  | [m]                           | [kg] | [mm]    | [mm]               | [mm]                   | [mm]                                   |                |
| CC 3,5m 76/125/3 | 3.5                           | 32   | 3       | 76                 | 75x450                 | 300x200                                | FP1            |
| CC 4m 76/132/3   | 4.0                           | 36   | 3       | 76                 | 75x450                 | 300x200                                | FP1            |
| CC 4,5m76/139/3  | 4.5                           | 42   | 3       | 76                 | 75x450                 | 300x200                                | FP1            |
| CC 5m 76/146/3   | 5.0                           | 47   | 3       | 76                 | 75x450                 | 300x200                                | FP1            |

Parametry wytrzymałościowe słupa

| Słup             | Maksymalna waga pojedynczej oprawy | Maksymalna powierzchnia boczna pojedynczej oprawy |            |                      |            |                     |            | MF   | T    |
|------------------|------------------------------------|---------------------------------------------------|------------|----------------------|------------|---------------------|------------|------|------|
|                  |                                    | Kategoria terenu II                               |            | Kategoria terenu III |            | Kategoria terenu IV |            |      |      |
|                  |                                    | Strefa I*                                         | Strefa II* | Strefa I*            | Strefa II* | Strefa I*           | Strefa II* |      |      |
|                  | [kg]                               | [m²]                                              | [m²]       | [m²]                 | [m²]       | [m²]                | [m²]       |      |      |
| CC 3,5m 76/125/3 | 50                                 | 1.55                                              | 1.10       | 1.70                 | 1.23       | 2.20                | 1.55       | 4.60 | 1.38 |
| CC 4m 76/132/3   | 50                                 | 1.25                                              | 0.85       | 1.40                 | 0.97       | 1.61                | 1.08       | 4.60 | 1.25 |
| CC 4,5m76/139/3  | 50                                 | 1.47                                              | 1.01       | 1.71                 | 1.18       | 1.83                | 1.24       | 6.00 | 1.50 |
| CC 5m 76/146/3   | 50                                 | 1.21                                              | 0.81       | 1.46                 | 0.98       | 1.54                | 0.81       | 6.00 | 1.41 |

\*Strefa wiatrowa według PN-EN 1991-1-4 Eurokod 1 (PN-77/B-02011:1997 / Az1:2009) do wysokości 300 m n.p.m.



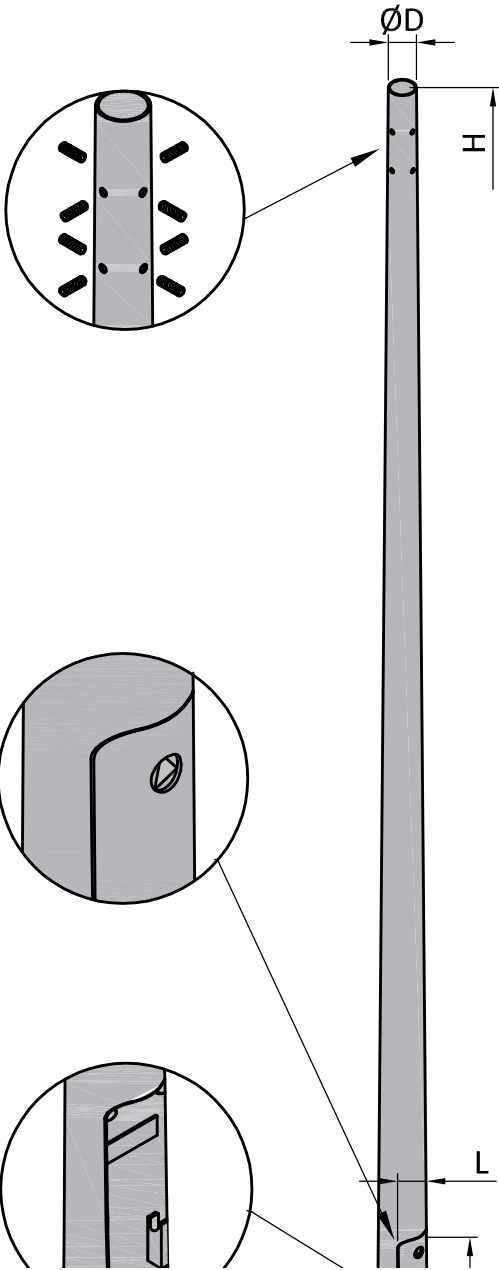
#### Podstawowe parametry słupa

| Słup           | Wysokość zawieszenia oprawy H | Waga | Ścianka | Średnica górna Ø D | Wymiary wewnętrzne L x L1 | Wymiary podstawy / rozstaw kotew M x N | Typ fundamentu |
|----------------|-------------------------------|------|---------|--------------------|---------------------------|----------------------------------------|----------------|
|                | [m]                           | [kg] | [mm]    | [mm]               | [mm]                      | [mm]                                   |                |
| CC 6m 76/160/3 | 6.0                           | 68   | 3       | 76                 | 100x500                   | 410x300                                | FP2            |
| CC 7m 76/174/3 | 7.0                           | 80   | 3       | 76                 | 100x500                   | 410x300                                | FP2            |
| CC 8m 76/188/3 | 8.0                           | 96   | 3       | 76                 | 100x500                   | 410x300                                | FP3            |
| CC 9m 76/202/3 | 9.0                           | 111  | 3       | 76                 | 130x600                   | 410x300                                | FP3            |

#### Parametry wytrzymałościowe słupa

| Słup           | Maksymalna waga pojedynczej oprawy | Maksymalna powierzchnia boczna pojedynczej oprawy |            |                      |            |                     |            | MF    | T    |
|----------------|------------------------------------|---------------------------------------------------|------------|----------------------|------------|---------------------|------------|-------|------|
|                |                                    | Kategoria terenu II                               |            | Kategoria terenu III |            | Kategoria terenu IV |            |       |      |
|                |                                    | Strefa I*                                         | Strefa II* | Strefa I*            | Strefa II* | Strefa I*           | Strefa II* |       |      |
|                |                                    | [kg]                                              | [m²]       | [m²]                 | [m²]       | [m²]                | [m²]       |       |      |
| CC 6m 76/160/3 | 50                                 | 1.09                                              | 0.72       | 1.38                 | 0.92       | 1.48                | 1.00       | 12.00 | 1.50 |
| CC 7m 76/174/3 | 50                                 | 1.01                                              | 0.65       | 1.33                 | 0.92       | 1.49                | 1.00       | 12.00 | 1.62 |
| CC 8m 76/188/3 | 50                                 | 0.96                                              | 0.65       | 1.35                 | 0.94       | 1.52                | 0.98       | 13.50 | 1.72 |
| CC 9m 76/202/3 | 50                                 | 0.64                                              | 0.40       | 0.92                 | 0.58       | 0.80                | 0.68       | 13.50 | 1.99 |

\*Strefa wiatrowa według PN-EN 1991-1-4 Eurokod 1 (PN-77/B-02011:1997 / Az1:2009) do wysokości 300 m n.p.m.



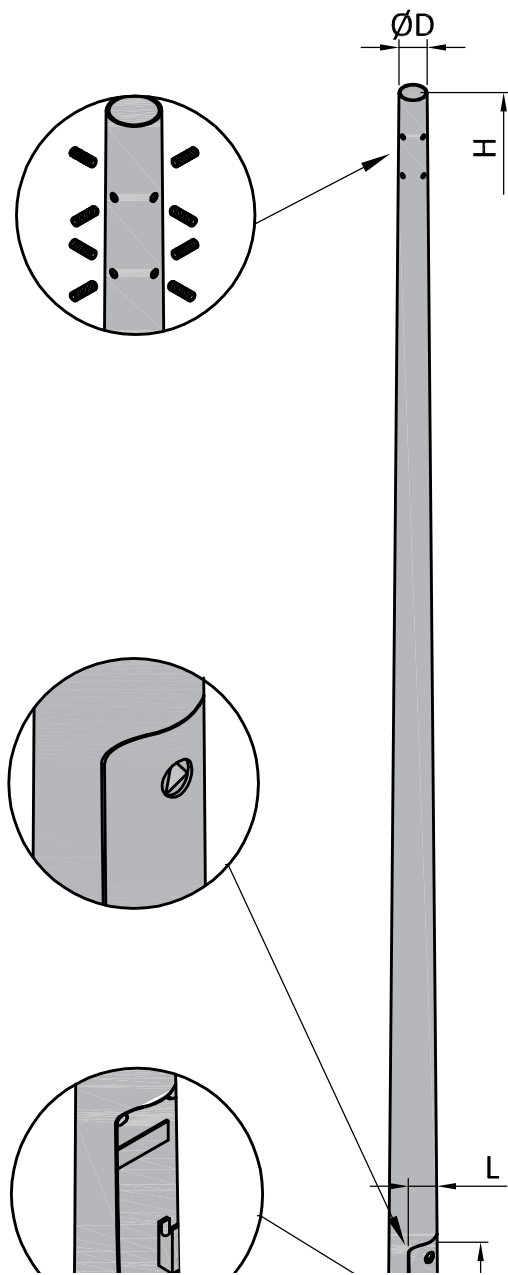
Podstawowe parametry słupa

| Słup            | Wysokość zawieszenia oprawy H | Waga | Ścianka | Średnica górna Ø D | Wymiary wneki L x L1 | Wymiary podstawy / rozstaw kotew M x N | Typ fundamentu |
|-----------------|-------------------------------|------|---------|--------------------|----------------------|----------------------------------------|----------------|
|                 | [m]                           | [kg] | [mm]    | [mm]               | [mm]                 | [mm]                                   |                |
| CC 5m 62/132/4  | 5.0                           | 60   | 4       | 62                 | 75x450               | 410x300                                | FP2            |
| CC 6m 62/146/4  | 6.0                           | 74   | 4       | 62                 | 100x500              | 410x300                                | FP2            |
| CC 7m 62/160/4  | 7.0                           | 92   | 4       | 62                 | 100x500              | 410x300                                | FP2            |
| CC 8m 62/174/4  | 8.0                           | 109  | 4       | 62                 | 100x500              | 410x300                                | FP2            |
| CC 9m 62/188/4  | 9.0                           | 129  | 4       | 62                 | 130x600              | 410x300                                | FP3            |
| CC 10m 62/202/4 | 10.0                          | 156  | 4       | 62                 | 130x600              | 450x300                                | FP4-1          |
| CC 11m 62/216/4 | 11.0                          | 178  | 4       | 62                 | 130x600              | 450x300                                | FP4-1          |
| CC 12m 62/230/4 | 12.0                          | 201  | 4       | 62                 | 130x600              | 450x300                                | FP4-1          |

Parametry wytrzymałościowe słupa

| Słup            | Maksymalna waga pojedynczej oprawy | Maksymalna powierzchnia boczna pojedynczej oprawy |            |                      |            |                     |            | MF    | T    |
|-----------------|------------------------------------|---------------------------------------------------|------------|----------------------|------------|---------------------|------------|-------|------|
|                 |                                    | Kategoria terenu II                               |            | Kategoria terenu III |            | Kategoria terenu IV |            |       |      |
|                 |                                    | Strefa I*                                         | Strefa II* | Strefa I*            | Strefa II* | Strefa I*           | Strefa II* |       |      |
|                 | [kg]                               | [m²]                                              | [m²]       | [m²]                 | [m²]       | [m²]                | [m²]       | [kNm] | [kN] |
| CC 5m 62/132/4  | 50                                 | 1.46                                              | 0.98       | 1.76                 | 1.19       | 1.86                | 1.25       | 7.00  | 1.59 |
| CC 6m 62/146/4  | 50                                 | 1.04                                              | 0.68       | 1.34                 | 0.89       | 1.41                | 0.94       | 7.00  | 1.47 |
| CC 7m 62/160/4  | 50                                 | 1.25                                              | 0.79       | 1.65                 | 1.08       | 1.85                | 1.25       | 12.00 | 1.81 |
| CC 8m 62/174/4  | 50                                 | 1.15                                              | 0.70       | 1.59                 | 1.00       | 1.73                | 1.13       | 12.00 | 1.87 |
| CC 9m 62/188/4  | 50                                 | 0.92                                              | 0.59       | 1.32                 | 0.86       | 1.08                | 0.98       | 13.50 | 1.89 |
| CC 10m 62/202/4 | 50                                 | 0.78                                              | 0.47       | 1.13                 | 0.70       | 1.34                | 0.85       | 17.70 | 1.82 |
| CC 11m 62/216/4 | 50                                 | 0.92                                              | 0.59       | 1.28                 | 0.85       | 1.65                | 1.06       | 17.70 | 2.10 |
| CC 12m 62/230/4 | 50                                 | 0.75                                              | 0.44       | 1.07                 | 0.65       | 1.39                | 0.87       | 17.70 | 2.05 |

\*Strefa wiatrowa według PN-EN 1991-1-4 Eurokod 1 (PN-77/B-02011:1997 / Az1:2009) do wysokości 300 m n.p.m.



Podstawowe parametry słupa

| Słup            | Wysokość zawieszenia oprawy H | Waga | Ścianka | Średnica górna Ø D | Wymiary wewnętrzne L x L1 | Wymiary podstawy / rozstaw kotew M x N | Typ fundamentu |
|-----------------|-------------------------------|------|---------|--------------------|---------------------------|----------------------------------------|----------------|
|                 | [m]                           | [kg] | [mm]    | [mm]               | [mm]                      | [mm]                                   |                |
| CC 5m 76/146/4  | 5.0                           | 63   | 4       | 76                 | 75x450                    | 300x200                                | FP1            |
| CC 6m 76/160/4  | 6.0                           | 86   | 4       | 76                 | 100x500                   | 410x300                                | FP2            |
| CC 7m 76/174/4  | 7.0                           | 102  | 4       | 76                 | 100x500                   | 410x300                                | FP2            |
| CC 8m 76/188/4  | 8.0                           | 123  | 4       | 76                 | 100x500                   | 410x300                                | FP3            |
| CC 9m 76/202/4  | 9.0                           | 142  | 4       | 76                 | 130x600                   | 410x300                                | FP3            |
| CC 10m 76/216/4 | 10.0                          | 172  | 4       | 76                 | 130x600                   | 450x300                                | FP4-1          |

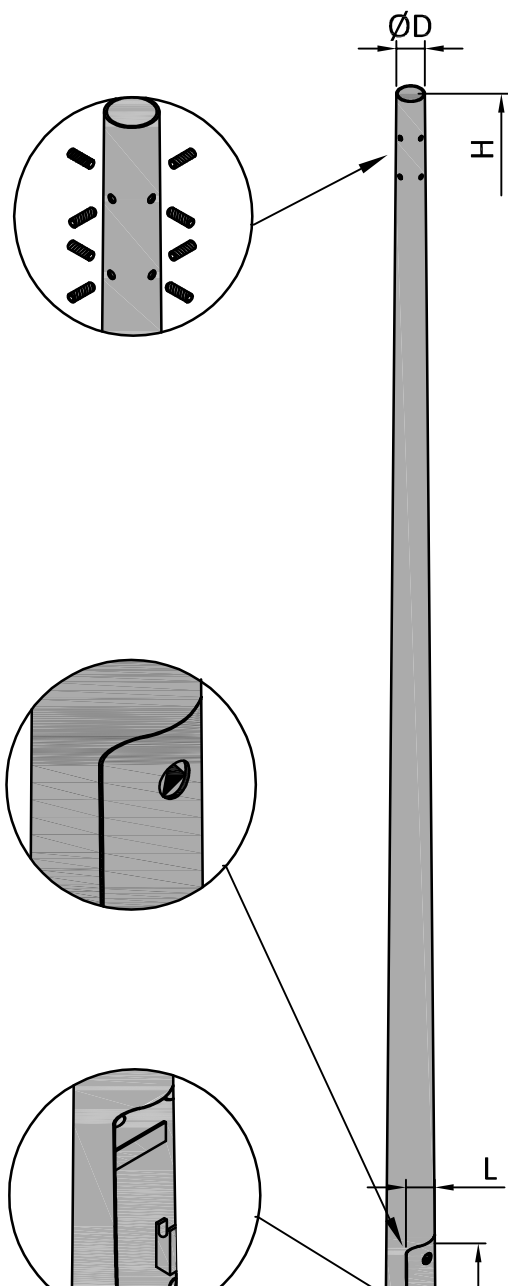
Parametry wytrzymałościowe słupa

| Słup            | Maksymalna waga pojedynczej oprawy | Maksymalna powierzchnia boczna pojedynczej oprawy |            |                      |            |                     |            | MF    | T    |
|-----------------|------------------------------------|---------------------------------------------------|------------|----------------------|------------|---------------------|------------|-------|------|
|                 |                                    | Kategoria terenu II                               |            | Kategoria terenu III |            | Kategoria terenu IV |            |       |      |
|                 |                                    | Strefa I*                                         | Strefa II* | Strefa I*            | Strefa II* | Strefa I*           | Strefa II* |       |      |
|                 |                                    | [kg]                                              | [m²]       | [m²]                 | [m²]       | [m²]                | [m²]       |       |      |
| CC 5m 76/146/4  | 50                                 | 1.24                                              | 0.83       | 1.51                 | 1.00       | 1.58                | 1.06       | 6.00  | 1.46 |
| CC 6m 76/160/4  | 50                                 | 1.74                                              | 1.20       | 2.17                 | 1.54       | 2.39                | 1.67       | 12.00 | 2.08 |
| CC 7m 76/174/4  | 50                                 | 1.50                                              | 1.04       | 1.99                 | 1.35       | 2.19                | 1.48       | 12.00 | 2.03 |
| CC 8m 76/188/4  | 50                                 | 1.35                                              | 0.92       | 1.86                 | 1.29       | 2.04                | 1.36       | 13.50 | 2.08 |
| CC 9m 76/202/4  | 50                                 | 1.05                                              | 0.70       | 1.47                 | 0.97       | 1.68                | 1.10       | 13.50 | 1.98 |
| CC 10m 76/216/4 | 50                                 | 1.20                                              | 0.70       | 1.66                 | 1.09       | 1.98                | 1.31       | 17.70 | 2.32 |

\*Strefa wiatrowa według PN-EN 1991-1-4 Eurokod 1 (PN-77/B-02011:1997 / Az1:2009) do wysokości 300 m n.p.m.

# Słupy CC o średnicy górnej Ø89 z blachy 4mm

EUROPOLES



## Podstawowe parametry słupa

| Słup            | Wysokość zawieszenia oprawy H | Waga | Ścianka | Średnica górna Ø D | Wymiary wneki L x L1 | Wymiary podstawy / rozstaw kotew M x N | Typ fundamentu |
|-----------------|-------------------------------|------|---------|--------------------|----------------------|----------------------------------------|----------------|
|                 | [m]                           | [kg] | [mm]    | [mm]               | [mm]                 | [mm]                                   |                |
| CC 4m 89/145/4  | 4.0                           | 54   | 4       | 89                 | 75x450               | 300x200                                | FP1            |
| CC 5m 89/159/4  | 5.0                           | 77   | 4       | 89                 | 75x450               | 410x300                                | FP2            |
| CC 6m 89/173/4  | 6.0                           | 94   | 4       | 89                 | 100x500              | 410x300                                | FP2            |
| CC 7m 89/187/4  | 7.0                           | 114  | 4       | 89                 | 100x500              | 410x300                                | FP3            |
| CC 8m 89/201/4  | 8.0                           | 134  | 4       | 89                 | 100x500              | 410x300                                | FP3            |
| CC 9m 89/215/4  | 9.0                           | 163  | 4       | 89                 | 130x600              | 450x300                                | FP4-1          |
| CC 10m 89/229/4 | 10.0                          | 186  | 4       | 89                 | 130x600              | 450x300                                | FP4-1          |
| CC 11m 89/210/4 | 11.0                          | 191  | 4       | 89                 | 130x600              | 450x300                                | FP4-1          |
| CC 12m 89/221/4 | 12.0                          | 213  | 4       | 89                 | 130x600              | 450x300                                | FP4-1          |

## Parametry wytrzymałościowe słupa

| Słup            | Maksymalna waga pojedynczej oprawy | Maksymalna powierzchnia boczna pojedynczej oprawy |            |                      |            |                     |            | MF    | T    |
|-----------------|------------------------------------|---------------------------------------------------|------------|----------------------|------------|---------------------|------------|-------|------|
|                 |                                    | Kategoria terenu II                               |            | Kategoria terenu III |            | Kategoria terenu IV |            |       |      |
|                 |                                    | Strefa I*                                         | Strefa II* | Strefa I*            | Strefa II* | Strefa I*           | Strefa II* |       |      |
|                 | [kg]                               | [m²]                                              | [m²]       | [m²]                 | [m²]       | [m²]                | [m²]       | [kNm] | [kN] |
| CC 4m 89/145/4  | 50                                 | 1.90                                              | 1.32       | 2.10                 | 1.47       | 2.20                | 1.54       | 6.40  | 1.64 |
| CC 5m 89/159/4  | 50                                 | 2.80                                              | 1.96       | 3.32                 | 2.33       | 3.50                | 2.45       | 12.00 | 2.61 |
| CC 6m 89/173/4  | 50                                 | 2.10                                              | 1.46       | 2.65                 | 1.84       | 2.80                | 1.93       | 12.00 | 2.26 |
| CC 7m 89/187/4  | 50                                 | 1.82                                              | 1.25       | 2.41                 | 1.66       | 2.54                | 1.74       | 13.50 | 2.23 |
| CC 8m 89/201/4  | 50                                 | 1.39                                              | 0.95       | 1.92                 | 1.30       | 2.02                | 1.37       | 13.50 | 2.03 |
| CC 9m 89/215/4  | 50                                 | 1.58                                              | 1.08       | 2.17                 | 1.49       | 2.40                | 1.64       | 17.70 | 2.35 |
| CC 10m 89/229/4 | 50                                 | 1.26                                              | 0.85       | 1.73                 | 1.16       | 2.00                | 1.34       | 17.70 | 2.19 |
| CC 11m 89/210/4 | 50                                 | 0.94                                              | 0.62       | 1.30                 | 0.85       | 1.57                | 1.02       | 17.70 | 2.13 |
| CC 12m 89/221/4 | 50                                 | 0.74                                              | 0.47       | 1.04                 | 0.66       | 1.32                | 0.83       | 17.70 | 2.15 |

\*Strefa wiatrowa według PN-EN 1991-1-4 Eurokod 1 (PN-77/B-02011:1997 / Az1:2009) do wysokości 300 m n.p.m.

## Obciążenie obliczeniowe