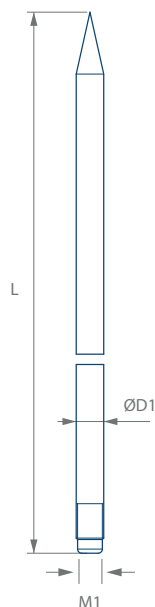




Aluminium



►► LIGHTNING RODS

Lightning rod Ø 16 mm or Ø 20 mm
height from 300 mm to 2000 mm.
Made in aluminium.

Other dimensions and
materials to consult.

► description

- External protection of structures against lightning.
- Is part of the conventional protection system, conductive mesh points and Faraday cages.

► features

- Simplicity.
- Low cost.
- Easy installation.
- Conductors are connected forming a conductive mesh or Faraday cages.

► technical specifications

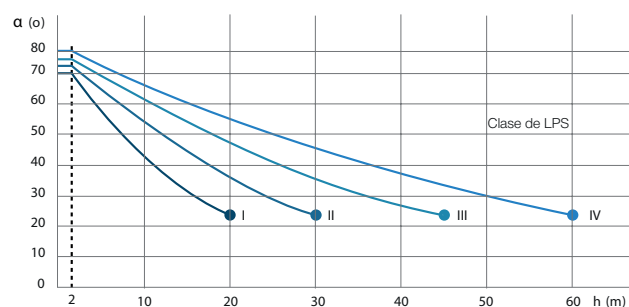
Aluminium Lightning Rods	Reference	Material	L (mm)	Ø D1 (mm)	M1	Weight (g)
AL300-16	110245	Al	300	16	M16	170
AL500-16	110291	Al	500	16	M16	280
AL1000-16	110037	Al	1000	16	M16	560
AL1500-16	110292	Al	1500	16	M16	850
AL2000-16	110293	Al	2000	16	M16	1100
AL3000-16	110284	Al	3000	16	M16	1600

► installation

Direct assembly with an adapter head mast.

Depending on the protection level required and the design of the building or structure to protect, IEC 62305-3 establishes different methods for the calculation of the protection area.

a) Protection angle (α)



NOTE 1. Not applicable beyond the values marked with ●. Only rolling sphere and mesh methods apply in these cases.

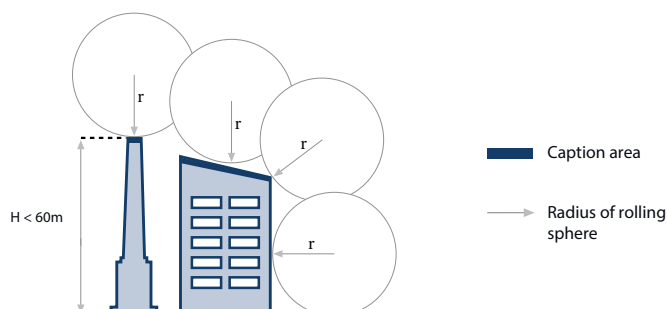
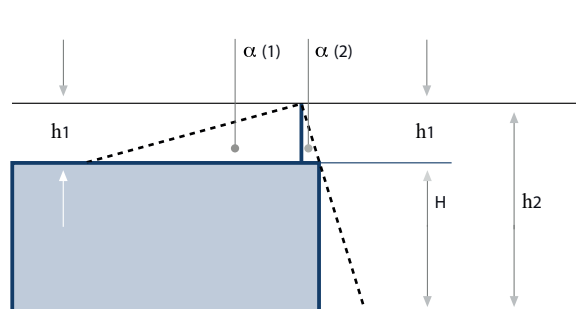
NOTE 2. (h) Is the height of air-termination above the reference plane of the area to be protected.

NOTE 3. The angle will not change for values of h below 2 m.

b) Rolling sphere method and mesh method:

Class of LPS	Rolling sphere radius (m)	Mesh size (m)
I	20	5x5
II	30	10x10
III	45	15x15
IV	60	20x20

TABLE 2. Maximum values of rolling sphere radius, mesh size and protection angle for each type of LPS.



► standards

- IEC 62.305-3
- IEC 62561-1

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LIGHTNING RODS