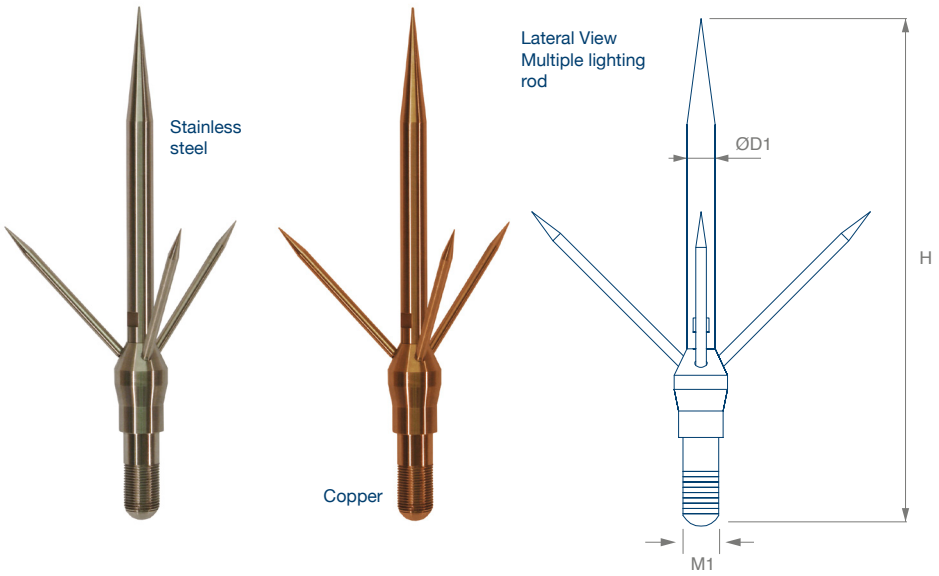


MULTIPLE LIGHTING ROD

Multiple lightning rod.
Made in copper or stainless steel AISI 316.
Consult other dimensions or materials.

operation

Uses the point effect, the effect by which the electrical charges around a conductor accumulates in sharp points.

applications

· External protection of structures against lightning.
· Forms part of the passive protection system, conductive mesh points and Faraday cages.

features and benefits

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

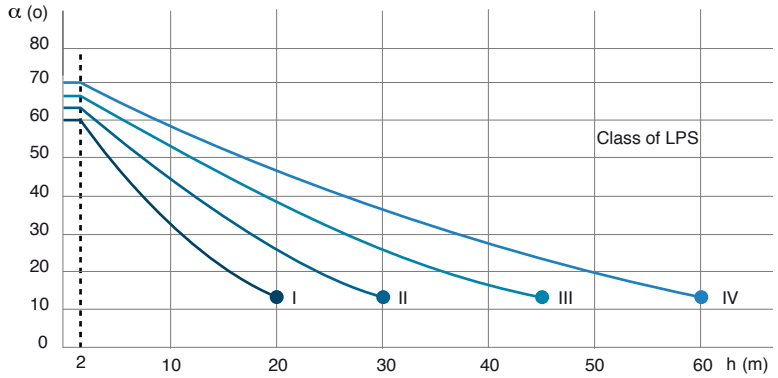
technical specifications

Description	Reference	Material	H (mm)	D1 (mm)	M1	Weight (g)
Multiple rod CU	110002	Cu	384	20	M20	855
Multiple rod IN	110001	Inox	384	20	M20	795

installation

Direct mounting with an adapter head mast.
Following the IEC 62305-3, the installation design is function of the protection level and the building must be covered by the protected volume according with, these 3 different methods.

a) Protection angle (α)

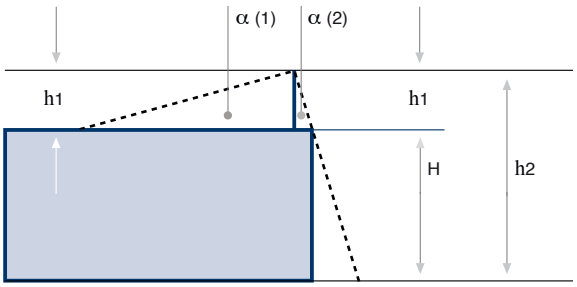


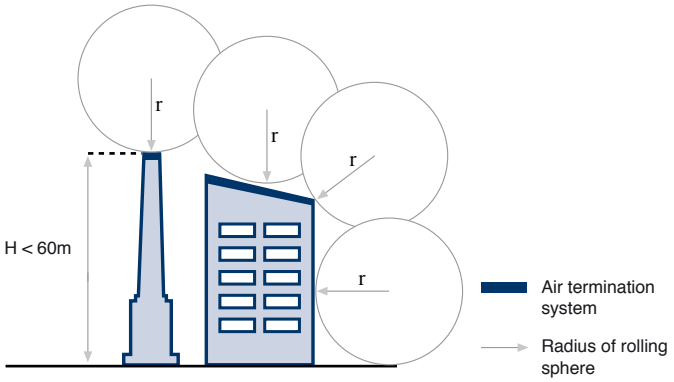
NOTE 1. Not applicable beyond the values market with ●. Only rolling sphere and mesh methods apply in these cases.
NOTE 2. h Is the height of air-termination above the reference plane of the area to be protected.
NOTE 3. The angle will not change for values of h below 2 m.

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

Maximum values of rolling sphere radius, mesh size and protection angle corresponding to the class of LPS.





standards & tests

Application standards:

· IEC 62.305-3

DENA DESARROLLOS SL
Duero 5 | 08223 Terrassa | Barcelona | Spain
T 937 360 305 | T (+34) 937 360 314
F 937 360 312
central@ingesco.com

MULTIPLE LIGHTING ROD