NF C 17-100

Simple lightning rod "Franklin" type

Franklin lightning conductors, which are tappered, have a perfectly slender and attractive point. They exist in nickel/chromium-plated copper and stainless steel versions. They have a standard length of 2.4 m and can be extended by the addition of treated steel or stainless steel elevation rods. These systems do not require guying and can be up to 7 or 8 m long. The tip of Franklin lightning conductors features a solid point of marine bronze or stainless steel.

Ref.	Designation	Type of point	Total height (m)	Base o.d. (mm)	Weight (kg)	Elevatlon rods number
AFA 0001 PF	Franklin lightning rod	Nickel copper	2.40	30	3.71	-
AFA 0002 PF	Franklin lightning rod	Chromium-plated	4.15	33	8.04	1
AFA 0003 PF	Franklin lightning rod	Galvanized steel	5.90	36	12.57	2
AFA 0004 PF	Franklin lightning rod	Treated steel	7.65	49	18.40	3
AFA 1001 PF	Franklin lightning rod	Stainless steel	2.40	30	3.41	-
AFA 1002 PF	Franklin lightning rod	Stainless steel	4.15	34	7.39	1
AFA 1003 PF	Franklin lightning rod	Stainless steel	5.90	42	12.41	2
AFA 1004 PF	Franklin lightning rod	Stainless steel	7.65	48	17.99	3
AFA 0100 PF	Multi-point	Chrome plated bronze	-	-	0.35	-

AFA 0001 PF

AFA 1006 PF

"Industrial stack" model

This model is only available in stainless steel. The points are bent to keep them out of fumes and corrosive vapours. They are generally used in quantities of two or more, depending on the diameter of the stack.

Ref.	Designation	Type	Height (m)	Straight section (m)	Bend a°	Base o.d.	Weight (kg)
AFA 1005 PF	Franklin lightning "Industrial stack"	Stainless steel	1	0.30	30°	M10	0.67
AFA 1006 PF	Franklin lightning "Industrial stack"	Stainless steel	2.40	0.80	30°	30	3.41

AFJ 3100 SE
fixing clip

Radii of protection

Not applicable beyond values marked x.
Only the fictive sphere and mesh methods are applicable in this case.
h is the height of the device above the volume to be protected.
"a" is the hall-angle of the vertex of the cone of revolution, defining the radius of protection.
Protection levels I, II, III, and IV are defined by the NF C 17-100 standard.