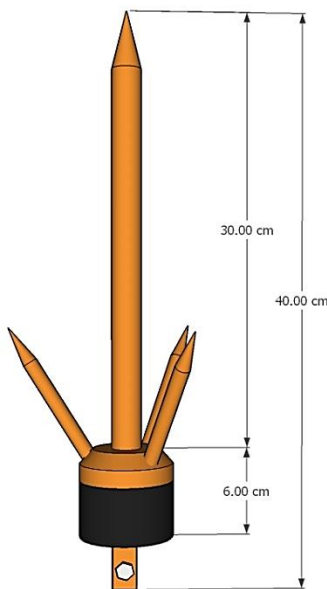
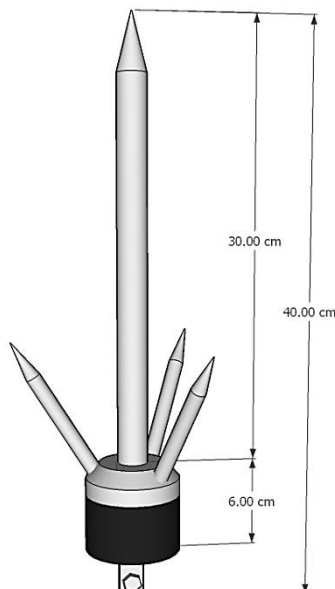


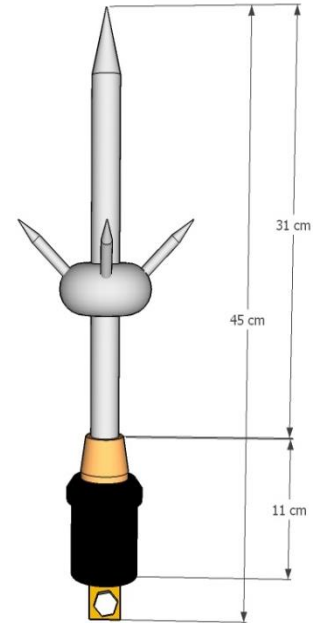
Air-Terminal Franklin Rod



S-1000CU/30
S-1000CU/50



S-1000SS/30



S-200030SS

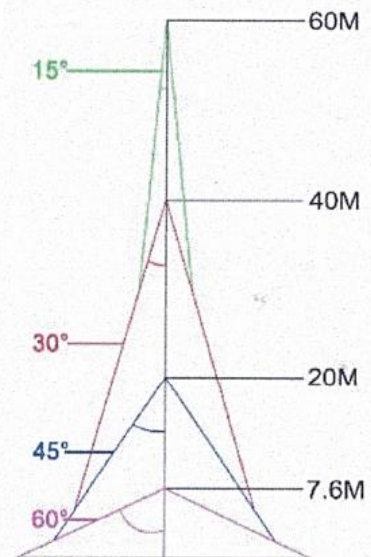
Application

The National Fire Protection (NFPA) has guidelines for product installations and specifications. In a 45 page article (NFPA 780: Standard for Installation Of Lightning Protection systems 2004), it describes protection for people, building and property from lightning damage. Attach the lightning rods to the peak areas of the home. Route the conductor cables, either made of copper or aluminium, between the lightning rods are bond to any TV Lower, antennas, vent, heating exhaust flues, stacks, or any metal objects attached to the roof of the house. Place one lightning rod within 18 inches of the roof ridge ends and additional lightning rods no more than 20 feet apart. On flat or sloped roofs. lightning rods should be installed no more than 50 feet apart.

Specification

Cone of Protection Method

The cone of protection is a simple geometrical construction that assigns a zone of protection to a vertical conductor as shown in figure. On structures protected by franklin rods using this design method. It is not unusual to find locations where lightning has struck well within the supposed zone of protection.



Lightning rods design angle of protection for structure.

Height	7.6 M	=	60°
	20 M	=	45°
	40 M	=	30°
	60 M	=	15°