

# KDIPOLO-AT

The Parres Dipole lightning rod concentrates the energy of the potential gradient existing in the atmosphere through the exciter toroid that is constantly charged to the surrounding potential and defines, in this way, the incidence on the discharge tip. The electric field between the equipotential ring and the toroid allows the direction of the ions to be regulated upwards, thus generating a favorable trajectory for the formation of an ascending leader with greater range.

## Components

Dipole lightning rod
Galvanized Steel Mast 1.5" x 3 m.
BMC plug
Steel Mast Fixing Kit

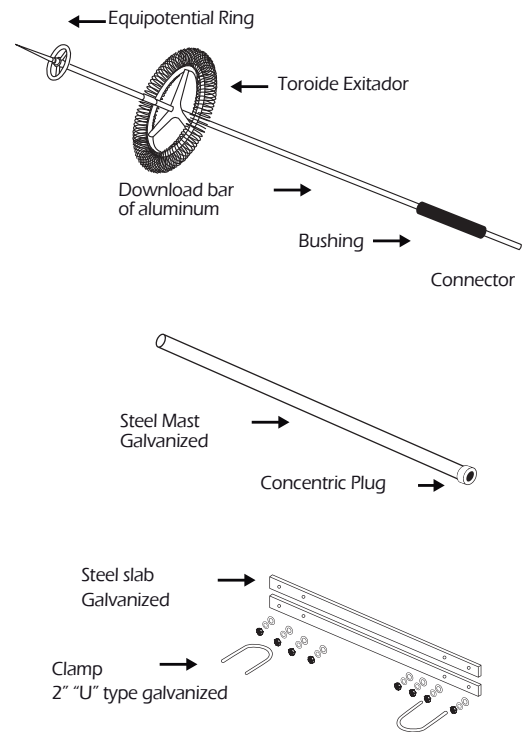
## Characteristics

Equipotential Ring	Aluminium fundition Diameter 80mm
Toroid Exciter	Teflon insulation Diameter 300mm
Download Bar	Duraluminio 6mm x 1.8mts.
Protection Angle	71° substantial
Weight Approx.	4.7 kg
Principle of Operation	Bipolarizing Ionic
Maximum Design Current	30 000 Amperes

## Normativity

IEC	61024-1	NOM	050-SCFI-1994
IEC	1024-1-1	ASTM	B-211
IEC	61024-1-2	NF EN	50164-2
NOM	022-STPS-1993	NOM	001-SEMP-1994
NFPA	780/97	NZS7AS	1768-1991

**Does not contain ionizing or radioactive materials**



## Installation

- 1** Unscrew the grub screws from the bottom of the Lightning Rod. (connector)
- 2** Strip the wire 5 cm and insert it into the base of the lightning rod.
- 3** Screw until it stops.
- 4** Insert the Bushing into the mast to be installed.
- 5** Slide the toroid as far as it will go.
- 6** Screw the Equipotential Ring as far as it will go.
- 7** Mark and drill the slabs taking into account the diameter of the structure to install it.
- 8** Place the slabs with a minimum separation of 50 cm between them and secure with "U" type clamps using screws, tightening firmly.
- 9** Fix the lightning rod assembled with the mast to the sills using the "U" clamps and firmly tighten the screws.

