



SHIELD INSULATOR

ST111

Datasheet

THE STINGER ST111 SHIELD INSULATOR



1. DESCRIPTION

The ST111 electric fence insulator has a revolutionary design which isolates the electrical conductor of an electrified fence system from the metal support posts. The design is focused on the providing extremely high isolation capabilities, especially at coastal conditions while the shield design at the front prevents intruders from cutting the isolator to remove the fence conductor.

The Stinger range insulators have been specifically developed and designed to work with the high powered Stinger energizers. Arcing, caused by inferior type insulators, will cause nuisance alarms on the electric fence system and will also cause EMI, which may interfere with sensitive electronic equipment.

There is currently no South African standard on electric fence insulators. It is therefore imperative that Stinger sets the benchmark for electrified fence insulators and ensures that the highest standard is maintained. This results in stable and reliable security electrified fence systems.

The design is patented under 2014/085602.

2. DESIGN SPECIFICATIONS

- Round and smooth shaped apertures. This is to minimize damage to the conductor caused by friction.
- A large disk is positioned toward the front of the isolator to prevent small insects (snails, gecko's, spiders etc) from reaching the fence conductor and cause arcing.
- The teardrop shape of the insulator ensures that no water can accumulate.
- One-hole mounting ensures ease of installation.
- Shield type design at the front prevents cutting of isolators to remove the fence conductor.

3. TECHNICAL SPECIFICATION

Specification	Rating
Max conductor strain force	270KG @ 70°C (Ambient)
Insulator material	Black Polypropylene with 5% UV stabilizer
UV warranty	5 Years
Total isolation distance	77.2mm
Max isolation voltage - dry	20 000V @ 9.5 Joule (pulsed energy)
Max isolation voltage - 2% Saline Water Solution	20 000V @ 9.5 Joule (pulsed energy)

4. TECHNICAL SKETCH

