



# SERVICE INSULATOR

ST107

Datasheet

# THE STINGER ST107 SERVICE INSULATOR



## 1. DESCRIPTION

The ST107 insulator isolates the electrical conductor of an electrified fence system from the metal support posts.

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 2005/6967 and 2006/7946

## 2. DESIGN SPECIFICATION

- 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 insulator 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.

### 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

