

## **Equipment for live work - Hand tools 1000 V .A.C. and 1500 V D.C.**

Great care must be taken when working with live components. A tested and approved 1000 V - tool provides personal protection up to 1 V A.C. and must be marked with a 1000 V and symbol.

Each individual tool is tested with 10,000 volt, which is ten times higher that what the provision permits.

### **Applicable norms/standards for testing tools are: IEC 60900, DIN EN 60900, VDE 0680**

- IEC 60900 is the current international standard for the testing of tools designed for use in electrical equipment.
- DIN EN 60900 is the current EU standard from 1995. Significant in this standard is that all tools are tested individually with regard to insulation.
- VDE is an independent authority that tests and guarantee's the tool's standard with regard to design, production and packaging.

### **Points to remember when using 1000 V - tools:**

- Always handle the tools with care with regard to the insulation.
- Check the tool's insulation regularly with regard to damage, with the slightest doubt remove the tool's insulation and the tool should not be used in electrical applications.
- Only use tools of the right size. You then reduce the risk to slipping and by mistake come into contact with live parts.
- Make sure that no loose items, e.g. cable clips or the like are left close to live parts.
- Always clean the tools after use and store in the dry.