

VETERINARY INSTRUMENTATION

Broadfield Road, Sheffield UK. S8 0XL
Tel: 0845 130 9596
Fax: 0845 130 8687
info@vetinst.com www.vetinst.com

Variable Speed Orthopaedic Drill (001600)

The battery is supplied in an un-charged condition unless prior arrangements have been given

The Makita based drill you have purchased is the model most widely used in Veterinary orthopaedics. The reliability and build quality is excellent. The removable nature of the battery gives the drill a very long life. The manner in which most surgeons use the drill battery (essentially just topping up the battery) is very bad for NiCad batteries. When the battery fails, a replacement brings the unit back to 'as new' specification. Periodically fully discharging the battery will prolong its life.

The latest version of the variable speed orthopaedic drill has some user defined adjustments.

For Orthopaedic use, we recommend that:

- The speed control on the top is set at '1'
- The clutch setting, behind the chuck, is set at the drill symbol. If set at any other symbol, the clutch will activate at the preset torque, and the chuck will not turn. The motor will make a loud clicking noise. If this happens turn the symbol back to drill. The symbols are not visible with the shroud in place.
- Tips for use. The surgeon holds open the sterilized shroud. The assistant lowers in the drill with the direction control set on forward. The sterile chuck and extension is driven onto the drill using the trigger at low speed. Once the chuck is firmly attached, flip over the flaps of the shroud and secure with the Velcro strips. Everything visible and touchable is sterile.
- Try to keep drill speeds down below 100rpm. Higher speeds, particularly if the pin or drill bit is not cutting cleanly, will generate significant heat. Heat necrosis is a serious problem particularly when drilling deep or placing pins without pre-drilling.
- The chuck benefits from regular lubrication. As soon as the chuck key shows signs of wear (slipping) replace it. The key will wear out 3 times sooner than the chuck (less teeth). Use of a worn key will damage the chuck.
- To remove the chuck and extension. Grasp extension firmly in one hand, place the drill in reverse and press the trigger firmly. The torque generated should release the extension. If the extension becomes jammed on the drill, fully charge the battery and try again. If still jammed, grip the extension more firmly (rubber glove.....care!) or in a vice and try again. If still no progress please return to us.