

Slide-door Vault

Manufactured and installed by Concrete Doors and Vaults (Pty) Ltd. Contact details: nicholas@damsforafrica.com , or 011 472 1520/8 or 082 416 8958

This vault is suitable for protecting stand-alone electrical control panels, such as is used for example in cathodic protection of pipelines. For other vaults and other anti-vandalism products in our range see www.concretedoorsandvaults.com which variously protect valves, pumps, boreholes, instruments, control panels, transformers, etc. All products have robust locking mechanisms, and can be made to any size, all from heavily reinforced 60MPa concrete.















SA Patent

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Opening sequence:

- Fig 7: The padlocks are unlocked and the 'locking channel' removed. (This channel is optional).
- Fig 8: The stainless steel 'plug' is pulled out of the 'access tube' using the magnet at the tip of the 'opening tool'.
- Fig 9: With the plug removed, the opening tool is re-inserted into the access tube.

Fig 10: The 'pinion' near the front end of the opening tool passes through a matching 'spline plate' and on to engage the 'rackbar'. The pinion and spline plate are customizable, and numerous combinations are possible by varying the number of teeth, as well as their angle and length. In addition, both the pinion and spline plate are easily changeable in the event of a tool getting into the wrong hands.

Fig 11: When the handle of the opening tool is turned, the rack-bar lifts out of the 'anchor hole-plate' (see arrow). Now the door is opened by pulling on the tool's handle. It slides open easily, owing to three SS steel wheels, positioned one at each corner of the L-door. The wheels run on 'SS rails' that are imbedded into the concrete base, see fig 6 & 12.

- Fig 12: The door in its fully open position, seen from the back. The rack-bar is in the up position.
- Fig 13: The vault in its fully open configuration seen from the front. The control panel may be bolted to two angle iron supports, or simply rest on them loosely (as in this instance).

Fig 14: Additionally it is possible to fit a 'plug' that requires a telemetric signal from a control room for it to unlock. With this system the time of locking and unlocking is logged, so that a full history is available of when the vault was opened/closed.

Fig 15: The door may also take the shape of a U, which is useful for servicing control panels that have switches on both sides.

















