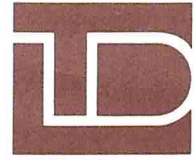


LANGFORD TOOL & DRILL

Construction Fastening Systems



TIPS ON DRILLING WITH LANGFORD KWIK-BORE™ DIAMOND DRILLS

1. Place machine over desired drilling point and set leveling screws in base plate to level machine.
2. Anchor machine securely with a pipe to the ceiling or opposite wall or anchor base with masonry anchor. If using a vacuum hold-down be sure gauge reads above 16 and preferably in the 20 range. Check seals on pump jar and fittings of hoses if gauge reads less than 16.
3. Connect with hose to a cold water source. If a pressure tank is used, be sure water flow and pressure is maintained.
4. Turn water on and wait for it to flow out of bit. Usually about a half gallon a minute is used.
5. Switch on machine with bit about 1/4" above drilling surface.
6. Lower bit slowly until groove is cut, then apply more pressure to handwheel to load machine. The starting technique is very important to bit life.
7. Check water temperature at regular intervals with your fingers, if becoming more than luke-warm, water is needed.
8. The amount of reinforcing bars cut is a basic factor in bit life. Just enough pressure to load the machine should be used in cutting steel, as excessive pressure will cause undue chipping of the diamonds.
9. Maintain machine as free from vibration as possible. When loose chunks of core or steel vibrate bit they should be removed from hole before continuing drilling.
10. When drilling with portable tool hold tool firmly and avoid side motion. Maintain steady pressure. In drilling hollow materials do not jam diamond crown of bit into opposite wall of tile after drilling through first face. You can put tape around drill tube or slide a spacer over drill tube to act as a stopper.
11. Diamond crown will fracture under hard impact. Handle with care. Start with template on glazed surfaces.
12. Surface set bits can be re-sharpened with sharpening tool.
13. New style impregnated drills are self sharpening under most conditions. Some materials will glaze over face of bit. See your Langford representative for sharpening technique. The impregnated bits are particularly suited to stranded cable reinforced concretes of precast designs such as Spancrete, Fabcon, etc.

MASON-CUTTERS - CONTRACT CONCRETE SAWING AND DRILLING

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