



## Aba Daba Rents

4351 Auburn Blvd.  
Sacramento, CA 95841-4152  
(916) 484-7368 Fax (916) 482-2552  
www.abadaba.com

### CONCRETE CORE DRILL

#### PRO-CUT DIAMOND BIT AND DRILL RIG TROUBLE SHOOTING CHART PRO-CUT #D-400\

**WARNING: Always wear eye protection while operating this tool.**

#### **When Operating Drill Rig:**

Use proper drill motor speed for size bit being used.

Anchor rig securely to surface.

Turn on the water (steady, even -flow).

"Ease" bit into cut-letting it (seat) in the surface (many inexperienced operators jam bit into concrete).

Drill at proper RPMs (15) (1B) or (20) AMPS -- depending on drill motor - watching gauge on rigs using (steady, even pressure) - Strong pressure -- forces bit; Very light pressure – lets bit spin in hole which will polish diamonds.

When steel rebar is hit, backup. Then slowly ease bit back down into steel. **DO NOT** force bite through steel.

After drilling the hole, back bit out of the hole with drill motor still running – then turn off machine pump, water and motor.

When moving machine - tip rig back on wheels - then push to next hole. (This saves wear and tear on rubber gaskets under vacuum pad).

#### **Drilling Rig Trouble Shooting Check List:**

Loose spindle on drill. **Result:** Bits "wobble" causing reduced bit life.

Loose carriage on column. **RESULT:** "Vibration" causes both drill motor and bits to wobble -- reducing bit life.

Rig is uneven leveling jacks are not properly aligned. **RESULT:** Bit will drill at angle – causing uneven wear.

Wrong speed being used on drill motor - up to 3" diameter bit = use high speed - 4" diameter bit on up = use Low Speed. **RESULT:** Reduced bit life.

Rig can be moved after machine is anchored to surface - rig must be absolutely rigid - securely attached to floor or wall. **RESULT:** If rig "walks" on surface - bit life is drastically reduced.

Vacuum pad and pump not holding rig securely to surface. **Vacuum Pump** – Flooded – excessive amount of water reaching pump due to faulty vacuum pad (Repair rubber gasket on pad) **RESULT:**

Poor "vacuum" means rig will walk – reducing bit life.