

## Application

- > Most concrete in construction environments is reinforced with rebar
- > When drilling into concrete there is a high chance a user will hit the rebar
- > A standard carbide hammer bit cannot be used to penetrate the rebar
- > A dedicated Champion rebar cutter should be used to cut through the rebar effectively
- \*Champion's CM95X SDS-Plus Hammer Bits feature cross head tip that can penetrate rebar

## Shank Options

### Straight Shank



CM79

### SDS-Plus Shank



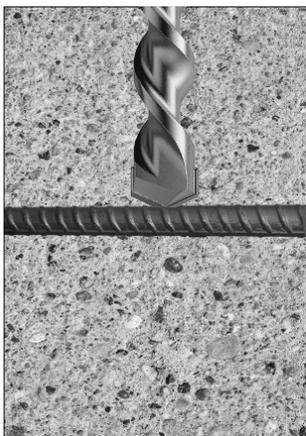
CM79SDS

## Operating Guidelines

- > Drill through concrete with standard SDS-Plus, SDS-Max hammer bit or straight shank masonry bit
- > When rebar is reached, replace the standard bit with rebar cutter
- > Rebar cutters must be used in rotary mode only
- > Drilling through the rebar will be a slower process than drilling the concrete only & requires significant operator pressure to achieve optimum cutting
- > When the rebar has been drilled through, the RPM will increase, the sound (pitch) will change and the flutes will pull through concrete only as opposed to concrete and metal
- > Replace rebar cutter with original hammer bit or straight shank bit and continue drilling through the concrete
- > **Do not use rebar cutter to continue drilling into concrete - this will cause rebar cutter to wear more quickly as concrete is a more abrasive material**

## 3 Step Process

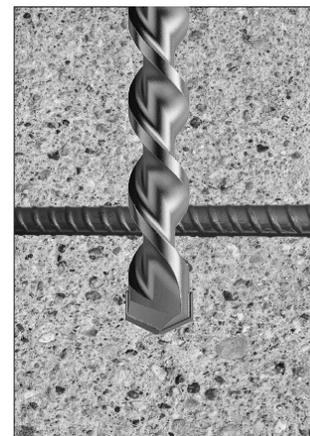
1. Drill first with a hammer or straight shank bit until reaching rebar



2. Replace bit with rebar cutter and operate in rotary mode to cut rebar



3. After completion of rebar drilling, complete hole with hammer or straight shank bit



## Tool Life

- > Many factors determine the life of a rebar cutter
- > The hole being drilled is blind - it is impossible to know if rebar is being hit dead center or to the side
- > The more concrete the rebar cutter cuts, the more it will wear
- > Grade of rebar, size of rebar, RPMs being used and operator pressure (significant operator pressure is required for optimum performance as rebar cutters are rotary only) will significantly impact tool life