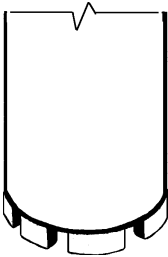


# TROUBLE SHOOTING CORE BITS

## GLAZING

(Bit stops drilling or is very slow)



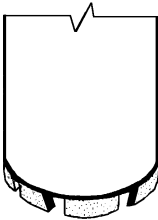
CAUSE: Too much feed pressure.  
REMEDY: Open bit with abrasive material ( Sand pot, concrete block, chop saw blade).  
Reduce feed pressure. Using an ammeter will help to control speed and pressure.  
CAUSE: Aggregate is too hard.  
REMEDY : Change to a softer bond.

## LOST SEGMENTS (Particularly on bits up to 1-3/4")



CAUSE: Steel reinforcing rod  
REMEDY: Ease up on feed pressure (watch ammeter).  
Use a higher quality bit and increase the water flow.  
CAUSE: Not enough water to properly cool bit.  
REMEDY : Increase water flow.  
CAUSE: Drill rig is not properly anchored.  
REMEDY: There are three ways of anchoring a core rig.  
**STANDING ON IT IS NOT ONE OF THEM !**  
This quick and dirty method damages the bit and the rig and dramatically slows the drilling process.

## BENT SEGMENTS



CAUSE: Too much feed pressure and not enough water.  
REMEDY: Repair the bit if possible.  
Ease up on feed pressure and increase water flow.  
CAUSE: Aggregate is too hard.  
REMEDY : Change to a softer bond.

## CORE HANGS UP



CAUSE: Not enough water to remove slurry.  
REMEDY: Remove bit and drive core out with a spike through the hub. Increase water flow.  
CAUSE: Core barrel is dented because of hammering on it to remove previous hung up cores.  
REMEDY : Repair the barrel. Increase water flow.