



### High Quality Samples

The patented CME Continuous Sample Tube System provides a cost effective and reliable method for obtaining full recovery, high quality soil samples. Since sampling is performed in conjunction with the hollow stem auger drilling process, this system is fast and efficient. The sample tube positively does not rotate with the augers, so oriented, representative core samples are collected.

### Simple and Effective Soil Sample Collection

The sample tube is connected to a string of hex rods that extend up through the augers and bearing assembly. A locking rod at the top of the string is attached to a horizontal locking plate. This plate fits between the feed pull-down rods and positively prevents the sample tube from rotating as the augers turn.

Downward pressure is transferred from the drill rotary box through a bearing assembly attached to the bottom of the spindle. The locking rod, which extends through this bearing assembly, can slide approximately 6 inches axially.

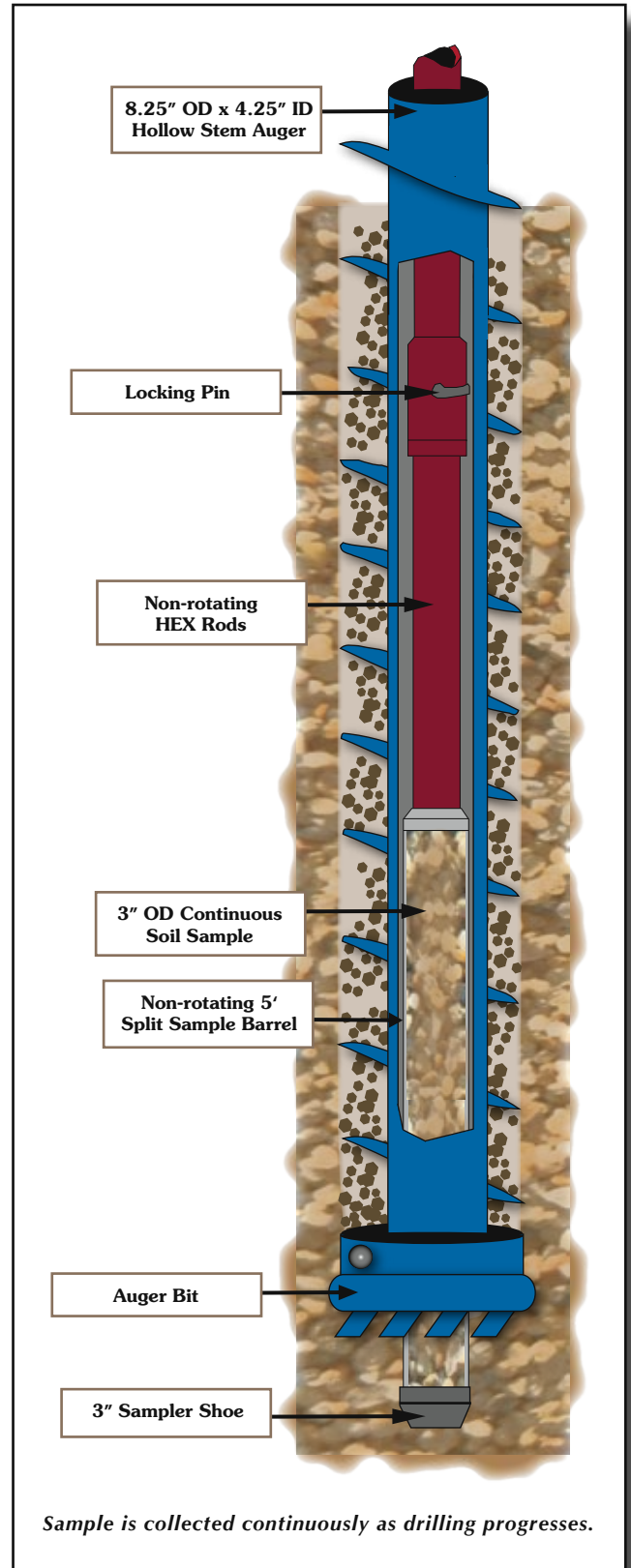
As drilling advances, augers and HEX rods must be added, the auger connection is uncoupled and the feed system is raised 6 inches. The auger connection will separate, giving access to the hex rod connection inside the auger column.

### Advantages

The CME Continuous Sample Tube System uses hex rods to push and retrieve the sampler. It has several advantages over wireline sampling systems that use cable to retrieve the sampler. The precise depth of the sampler in the hole is easily determined because of the rigidity of the rods. Also, there's no latching mechanism to cause problems. And if you get in a bind while bringing the sampler out of the hole, you don't have to worry about broken cables and lost samples.

### Effective in Difficult Formations

The CME Continuous Sample Tube System works well in many difficult formations such as hard clays and shales, lignite, peat, coal, mine tailings, loess, sand, gravel and silt.



Sample is collected continuously as drilling progresses.