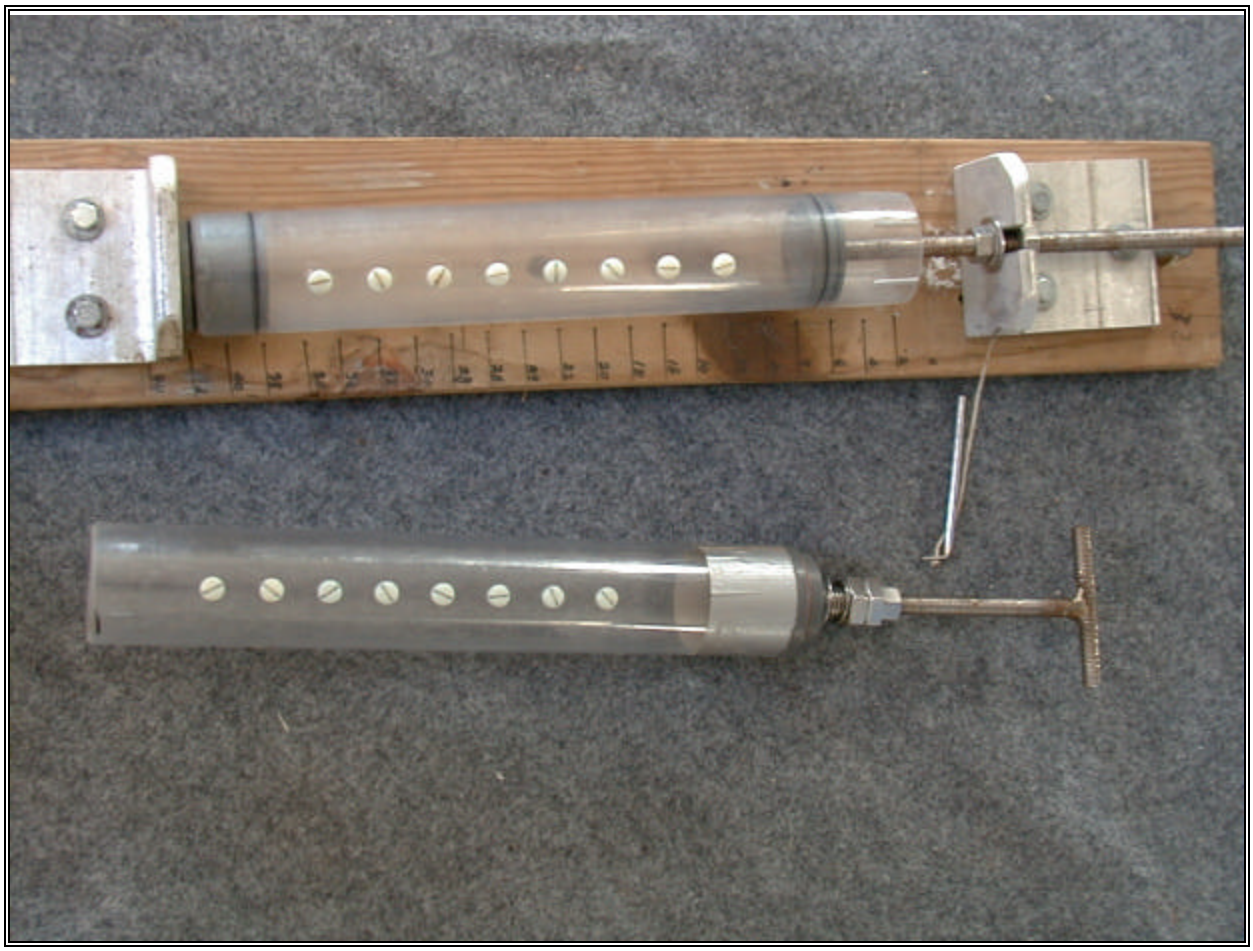
SQUEEZE CORE



APPLICATION: Squeeze cores are tube cores used for extracting interstitial water samples from sediment cores taken with a multi-function manipulator arm such as those used on manned submersibles and large remotely operated vehicles.

DESCRIPTION: The core barrel is constructed of 1/8" Lexan polycarbonate available in varying lengths and two diameters (6.4 cm and 8.3 cm I.D.) Equally spaced along one side of the barrel are ports covered with nylon screws, which can be removed on the surface to allow the attachment of syringes. Once on the surface, the core is placed in a rack, which seals the top and bottom of the core and allows an o-ring sealed plunger-like top to be screwed down to compress the core. As the core is compressed, interstitial water in the sediment is forced into syringes at selected locations along the core. Except for the syringe attachment ports, the components for the squeeze cores are identical to tube cores.