

# Berntsen Installation

## With Rock Breaker



Driving Adapter

Monuments should be installed using a rock breaker with a 7/8" chuck to meet manufacturers specifications. This ensures accurate vertical control and maximum penetration.

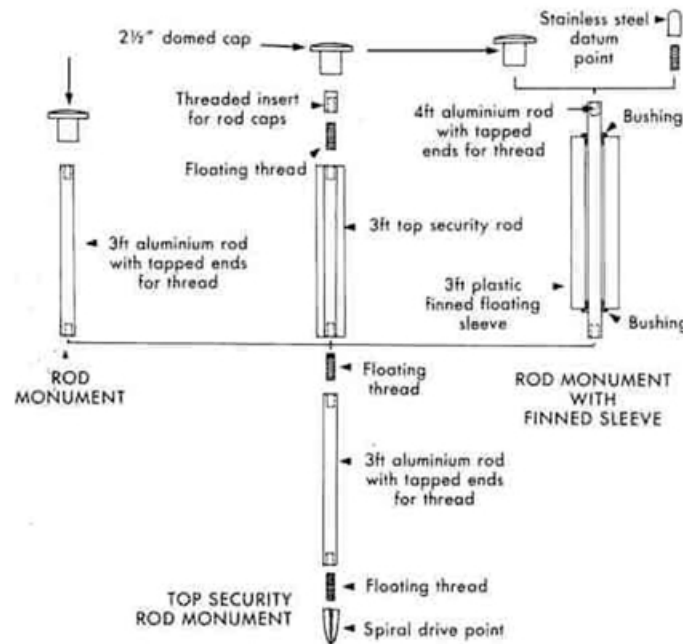
## Manual



Manual

It is possible to install monuments with a sledgehammer and manual adaptor, but stability will not be as good and maximum penetration will not be achieved.

## Elements of the System



## Installation of a High-order Bench Mark Using a Finned-Sleeve Rod Monument



A 12" hole is augered to a depth of about 3.5 ft



Rod monument driven to refusal, until top is about 6" below surface



Finned sleeve placed over rod, filled with grease & s.s. datum point added



A 6" PVC pipe with access cover glued on, is placed over the finned sleeve. Hole & pipe are backfilled with sand.



Top 12" is back-filled with concrete



The finished mark - a well protected first-order bench mark.