DH66 Automatic Drop Hammer

Collect Standard Penetration Test (SPT) blow counts with your Geoprobe® machine.

- Easy on / Easy off design!
- Conforms to ASTM Standards D1586.
- Operations from auxiliary hydraulics.
- Consistent results with no human error.
- No cables or ropes needed for operation.
- All moving parts are enclosed in a protective steel casing for operator safety.
- Use the lateral swing of the probe machine to use the hammer over hollow stem augers ... no need to reposition the whole machine.
- Operates at 45 strokes per minute.
- Use your Geoprobe® track machine for both environmental AND geotechnical projects.
- Used to perform Standard Penetration Test (SPT) which is the most common in situ geotechnical test in the U.S.
- SPT blow count results are used by engineers for obtaining strength and density properties of soil, designing foundations, and defining earthquake sensitive soils.
- Use hollow stem augers or the Geoprobe® SPT dual tube system with the automatic hammer for SPT testing.
- Mounts on any Geoprobe® Model 66DT or Model 6610DT with a minimum of initial field modification.
The Geoprobe® Automatic Drop Hammer is an effective way to collect Standard Penetration Test (SPT) blow counts with your probing machine. The hammer is powered through the auxiliary hydraulics on a 66DT or 6610DT machine and is lifted into position using the probing cylinder. The inconsistency that has historically been a problem for the SPT test is minimized with the repeatable, accurate function of this hammer. The 140-pound weight has a 30-inch free fall before making contact with the anvil so every test is performed the same. And safety was a prime consideration during the development of this tool, so all moving parts and impact surfaces are enclosed in a steel housing.

The days when you had to choose a machine based on whether you wanted to do environmental or geotechnical work are fading fast. Now you can do both. Need SPT blow counts for your customer? Use the automatic hammer with your hollow stem augers or with the specially designed dual tube system by Geoprobe® Systems. Going to a job where you won't need the automatic hammer? No problem. A couple of minutes is all it takes to remove it from your machine.