



Dynamic sampling is an effective way of sampling soil, made ground fill and over-burden, relatively quickly by driving in sequential sample barrels, either using a percussive hammer, drop hammer or static pushing force, driven 1.0m or 1.5m sample runs.

A reasonably accurate soil profile is retained in the plastic liners. Different diameter barrels give a sample core size from 113mm down to 35mm to a recognised standard of Class 3 – 4 quality in accordance with BS 5930:2015 Chapter 25.8.2.

The sample barrel consists of an outer barrel, with a cutting shoe, a threaded back end with a non-return air valve to retain the sample. It allows air to escape as the sample is driven into the plastic liner, reducing sample compaction and disturbance. The liner has a metal retaining ring to keep it centralised in the cutting shoe, which can be swapped for a plastic catcher for retaining wet sands and fine gravels or steel fingered ring for retaining soft fine-grained soils.

A great feature is that casing can be driven in simultaneously or more commonly termed “duplexed” with the dynamic sample run, keeping the borehole open and maintaining sample quality.

Applications

- Geotechnical investigation
- Environmental investigation

Features

- Made in the UK
- Class 3 – 4 sample quality according to BS 5930
- Rapid sample recovery
- Very soft to hard soil sampling
- No flushing media required
- Duplex or Triplex system
- Non-return air valve for reducing disturbance
- Sample retained in liner for ease of logging
- Additional sample caps and core boxes maintain sample quality during transport and storage

Dynamic samplers' sizes with corresponding sample core size and Duplex metric casing

Windowless Sampler (mm)	Core Liner Size (mm)	Sample OD (mm)	Casing Size (mm)
146	132	129	6"WW or SW
131	117	114	146
116	102	100	128
101	87	85	113
86	75	73	98
76	65	63	86
66	55	53	76*
56	46	43	66*
46	35	33	56*

* Available on request