



Key Features

- Samples at depths greater than 30 metres
- Profile is directly visible
- Lifting/hoisting is required
- Soil profile description and classification
- In soft sediment (mud) the penetration will reach about 80 centimetres
- Hard/sandy sediment penetration will reach about 30 centimetres
- The set contains x10 sample tubes with cuttings shoes

The free-fall corer sampler is designed to sample submerged soils/sediments at greater depths, from the bottoms of rivers, lakes, etc.

The free-fall corer consists of a frame, falling weight and sampler. The sampler is especially designed to take samples at greater depths (>30 metres). By using a winch/hoist, the sampler is lowered in free fall. By its own weight and obtained velocity, the apparatus will penetrate the submerged soil.

Semi-disturbed samples can be obtained from the top layer of submerged sediments. The system is fitted with a non-return valve at the top of the sampler so that no water remains floating above the sample; this ensures that the sample remains in place.

Applications

- Environmental research
- Sediment sampling at greater depth
- Both for fresh water and marine applications

The Free-fall corer is not suitable for rocky bottoms, and unconsolidated materials will not hold.

Specification

Specification	
Maximum sample depth	> 30 m
Product material	Iron, PVC, other material
Rod or cable operated	Cable
Sample specification	Semi-disturbed
Sample diameter	66 mm
Sample length	999 mm
Sample stored in	Sample tube
Sample volume	3.5 l



Specification	
Sampler position	Vertical
Package size	118 x 45 x 62 cm
Weight	47 kg

