

Drop Core Sampler

Sediment sampling at any water depth

How it works

- The sampler is lowered from the surface and penetrates the sediment deposits.
- The sampler closes after the sample is taken to avoid wash-out during retrieval.
- Suitable for silt, clay and fine sand in reservoirs and settling areas.
- Standard lengths are 40cm and 80cm, with extensions available on request.



Drop core sampler ready for deployment



Transport case with sampler equipment

Why it matters

- Provides representative sediment cores without complex vessel equipment.
- Helps document sediment depth, density, grain size and shear strength.
- Compact, robust and easy to transport in a dedicated case.
- Supports better decisions for reservoir sediment management.



Illustration

Environmental benefits

- No fuel or power required
- Low-impact sampling method
- Compact transport footprint
- Supports targeted sediment removal
- Improves sediment documentation

Best used when

Reservoir sediment properties must be documented before planning dredging, sediment removal, flushing, or desilting basin optimization.

For more than 30 years, SediCon has developed and supplied proprietary sediment handling technologies from Trondheim, Norway. Our solutions for reservoirs, intakes, desanders and tunnels have been successfully implemented in hydropower projects in more than 20 countries across five continents.