



RAMBOLL CORE SAMPLER

With the Ramboll core sampler unit (RST-P), the RST offer a unique opportunity for effective sampling of both bound and unbound layers.

RST-P is a uniquely effective method for the sampling of different material layers of the road. It can be used in the inventory of existing roads, the control of contracts, simpler geotechnical samples and the environmental sampling.

The diamond drill is used for drilling in the pavement and reinforced concrete. With RST-P performs Ramboll samplings of roads, embankment, bridges, airports, municipalities and industrial areas etc.

At the core can Ramboll measure in the different layers and to check if there are traces of tar. The drill is available in diameters 350, 150 and 100 mm.

With the specially designed excavator head, it is possible to take up the gravel and stone material, to a maximum depth of one meter. All material from the test hole is taken up and packaged directly for further analysis of road laboratory.

To get into the subsoil, a soil screw is used. In the borehole sides and on soil screw, we can then measure out the different layers. Screw sampling is done down to 2-3 meters.

As a add-on feature it's possible to get the patented dry drill on the sampler Ramboll are able to perform undisturbed samples down to 2 meters, even on structures with ground frost. This provides a unique opportunity for undisturbed environmental samples that are not contaminated by the drill's coolant.

RST-P ensures a maximum fine mending and packing the bore hole. The material is put back and packed in the correct order and water is supplied for optimal packing density.

A properly repaired sample hole is crucial to ensure a secure future traffic load.

The Ramboll core sampler carries a various fractions of gravel so that it

is possible to add material if necessary. A new asphalt mixture of 3-5 cm of pavement are place to ensure a good seal

Ramboll Sampler RST-P offers

- Cost-effective sampling
- Very good restoration results
- Good overview of the road construction
- Quick sampling and minimal traffic disruption
- The offer of photo documentation of the boreholes
- Approved sample quantity grain size distribution acc. SS EN933-1
- All sampling occurs according to Transport Administration method description TDOK 2014:0151.
- Unique opportunity for environmental sampling

Contact
 Calle Ossbahr
 Tel +46 70 938 1917
calle.ossbahr@ramboll.se
www.rst.se