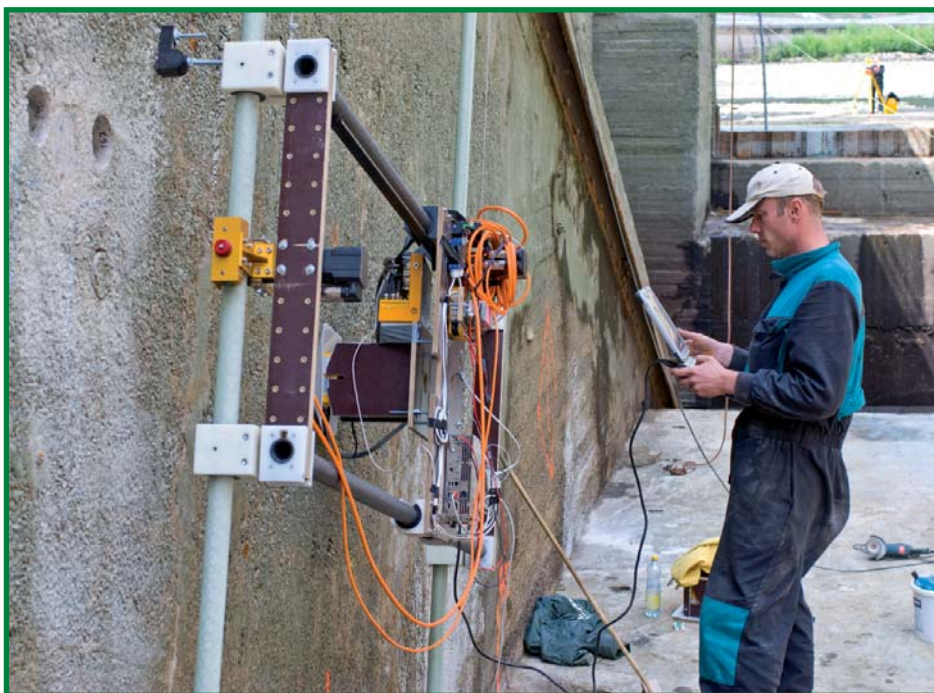


DIBEKON 3D Georadar Diagnostic Scanner

DIBEKON and DIBEKON Lt. georadar (GPR) scanner is a unique diagnostic device developed by INSET s.r.o., which is suitable especially for searching for reinforcements in reinforced-concrete structures.

Due to its dense step of measuring the GPR scanner provides options for creating detailed 3D images of internal arrangements of the investigated structures and mapping with high precision the positions and shapes of the individual reinforcing elements, measuring thicknesses of structural layers and detecting various defects and inhomogeneities.

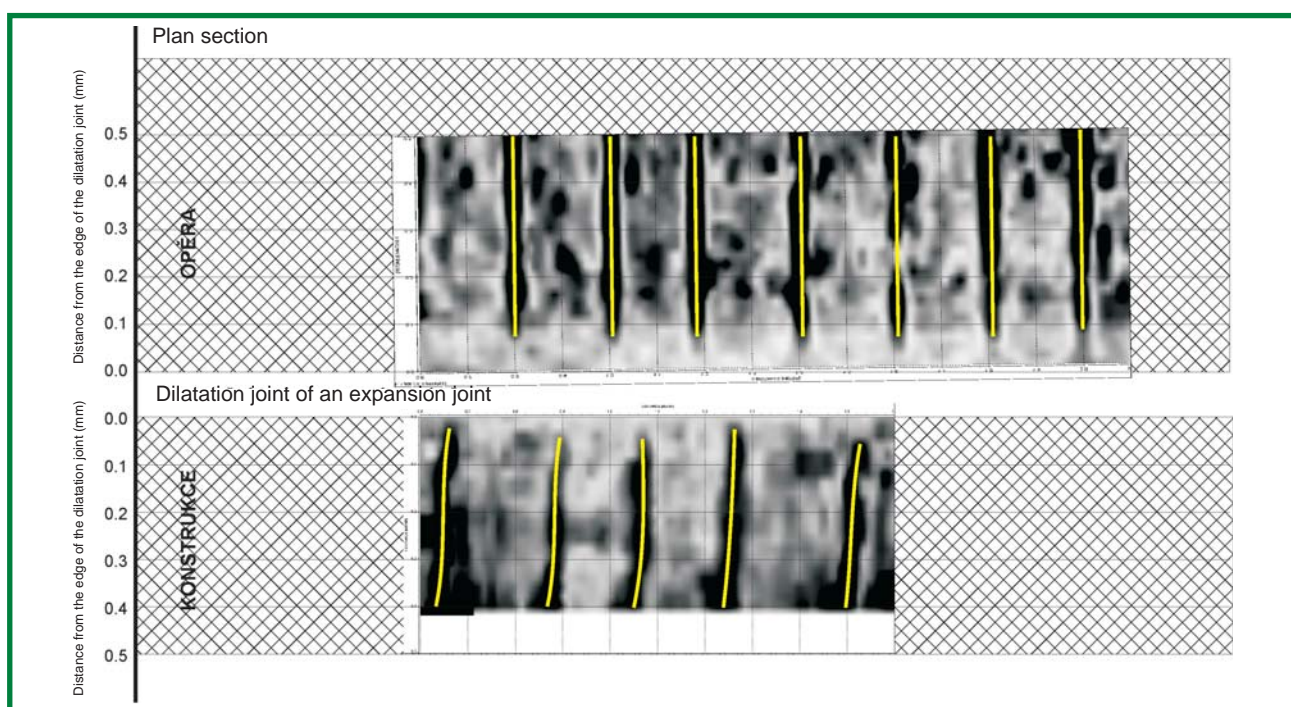
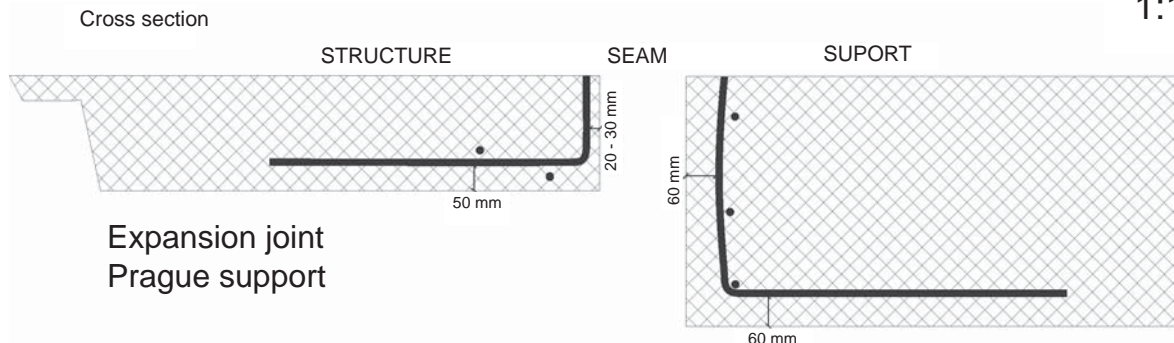
GPR scanners can be used for measuring both large areas (DIBEKON) and smaller details (DIBEKON Lt.), including hard to reach sections of structures (bridge structures, cooling towers, dams).



Measurement result examples from DIBEKON Lt. GPR scanner

Establishment of a distance between a reinforcement and the seam edge of an expansion joint.

1:10



Interpreted positions of the individual bars

Scanned surface



Survey results

- At the side of the bridge support the reinforcement was detected at the distance of 6 - 7 cm from the seam edge
- At the side of the structure the reinforcement was detected at the distance of 2 - 4 cm from the seam edge