

Soil-structure interaction for helicopter impact

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Helicopters are allowed to land everywhere there is room for that and the landing is allowed by the local authority. Nevertheless, in urban nuclei specific landing facilities are often designed. They can be directly based on the ground or supported by a structural system. In this contribution, the landing facility is conceived as a slab on pillars directly anchored to the foundation. This allows one to discuss the insertion of base isolators. The soil-structure interaction aspects are first investigated. A classical design is then provided. The feasibility of adding an isolation system is eventually discussed.