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Experimental and Theoretical Research on Drilling Epoxy Granite using Coated and Uncoated Carbide Spiral Drill Bits

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Highlights

- Force, torque and surface roughness were predicted by theory of fracture mechanics.
- Effects of cutting parameters on axial force and torque were investigated.
- Tool life was improved by coating the carbide spiral drill with (TiAl)N+NbHfTi.

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