

FUNDAMENTALS OF ROCK FRAGMENTATION OF IMPREGNATED DIAMOND BITS

MINEX CRC PROGRAM 1

Drilling Technologies

PHD OR MASTERS PROJECT

Curtin University

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RESEARCH PROJECT

Impregnated diamond bits are used to collect core samples in mineral explorations. In an earlier research, interface laws were developed to quantify the drilling response of impregnated diamond bits. The interface laws developed on a body of experimental data from the lab and field.

In this research, the aim is to conduct parametric analysis to map the variation of the model parameters with different rock and bit properties.