



Impregnated bit
Doughnut bit

Petty patent No. 3142944

It has a unique design with no water way on the cutting surface of the bit in order to collect soft or fragile cores surely and easily.

Simple is Best



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Main features

•It protects the wash out of soft or fragile cores since the drilling fluid can be blocked adequately by the bit cutting surface during drilling. It does not wash the fragile core since the drilling fluid is blocked by the bit cutting surface during drilling.

•It has no need of any seal material such as an "O-ring" for blocking drilling fluid between the inside of bit and the top of inner barrel, core lifter case so that it can improve the co-rotation condition of inner tube dramatically.

•It can suppress the cutting from sticking to the elastic sleeve that covers the core since it does not block the drilling fluid completely.

•The water blocking function can be enhanced by using GWS core barrel that has its clearance space adjustment mechanism between the inside of bit and the top of inner barrel, core lifter case.

Core sample using doughnut bit



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