



Overview

The Logan Magna Fish™ Fishing Magnet is designed to retrieve small metal, oddly-shaped objects such as milling shavings, bit cones, cutters, bearings, slips, long pins, and hand tools from the bottom of the well bore. Typically, these objects are the result of bit failures, and accumulation of mill cuttings, or simply accidental droppings of unmillable objects. In almost all of these case, the fish can not be engaged in the normal manner. Logan's Magna Fish successfully remove these objects from the hole. The tool's design features generous circulation ports that wash away cuttings and other debris that might interfere with or prevent contact with the magnet. A variety of guides are available to accommodate any retrieval situation.

Construction

The Logan Magna Fish™ Fishing Magnet assembly consists of a body, integral housing, integral pole plate, magnet element, and standard flush guide. The body is manufactured from high strength alloy steel. It has a tool joint pin top connection and generous circulation ports. The magnet element is the most efficient and powerful magnet available. The magnet can be recharged if necessary. The magnet body, housing, and pole plate are threaded and welded together during assembly with the magnet element in place. The standard flush bottom guide is threaded and easily removed. Lipped guides and mill guides are also available.

Operation

Logan Magna Fish™ Fishing Magnets are usually run on tubing or drill pipe, but can be run on wireline. Wireline adapters are available. The Logan Magna Fish is made up to the bottom of the fishing string and lowered into the hole to within six to twelve inches of

the fish. Circulate to wash the fish. Reduce circulation and lower the fishing magnet to the fish. Slowly rotate to ensure positive contact. Discontinue circulation and lift the fishing magnet from the hole.

Application

- Retrieval
- Workover
- Drilling
- Remedial
- Completion

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