

Lexal Mill Saver 5150

Increased cutting and Milling Efficiency. High efficiency downhole vibration dampening sub.

The Mill Saver 5150 is a unique downhole tool designed to minimize the damage incurred on the cutting structure of mills, cutters and section milling tools. Current downhole shock subs have linear metal springs, setup at high spring rates for drilling environments. The Mill Saver 5150 utilizes multiple nonlinear fluid springs that allow the tool to be setup for the specific downhole condition expected in a given job, typically significantly lower WOB's vs. drilling. It can be configured for standard milling ahead operations or for back-reaming operations. The fast response rate fluid springs combine with the natural frequency of the work string to dampen the vibrations created by the interface of the cutting structure and fish.

APPLICATIONS

- Junk Milling
- Casing Cutting
- Section Milling
- Casing Exits

SPECIFICATIONS:

TOOL OD	ID	Tensile Rating(lbs)	Torsional Rating(ft lbs)	Total Stroke
4.875"	2"	475,000	21,000	4.5"
6.5"	2.25"	800,000	50,000	4.5"
8"	3"	1,200,000	98,000	4.5"

FEATURES

- Proprietary multi chamber hydraulic dampening
- Can be setup for both standard milling and back-reaming
- Mandrel down to minimize moving mass
- Tunable Spring Rate
- Pure Hydraulic Tool - No metal springs - ensures fast dynamic response rate
- Endures operating temperatures of up to 300 F and 400 F with optional high temperature seals
- Can be effectively and efficiently integrated into BHA's