

LORD® SoftShoe™ Isolator

Patent Pending

Protect Probe-Style MWD Tool Strings From High-Energy Axial Shock

- Adapts to large or medium Muleshoe Landing Sleeve inside of UBHO
- Provides soft snubbing for entire MWD tool string under any axial shock event, preventing metal-on-metal contact
- Replaceable elastomeric package
- Natural Frequency: 50 Hz
- Isolates instantaneous shocks at critical electronic frequencies (100+ Hz)
- Attenuates high-energy sudden shocks (duration ≤ 3 ms)

COMPREHENSIVE SHOCK MITIGATION

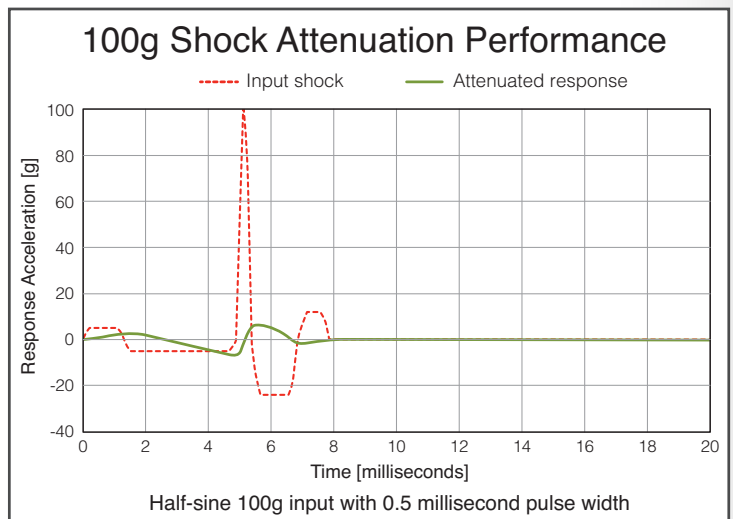
- Provides cost-effective shock protection when used alone in the vertical section
- Mitigates full spectrum of drilling-related axial shocks when used in conjunction with the LORD Axial Isolator, which targets lower-frequency shock events



HIGH-TEMPERATURE
VERSIONS AVAILABLE

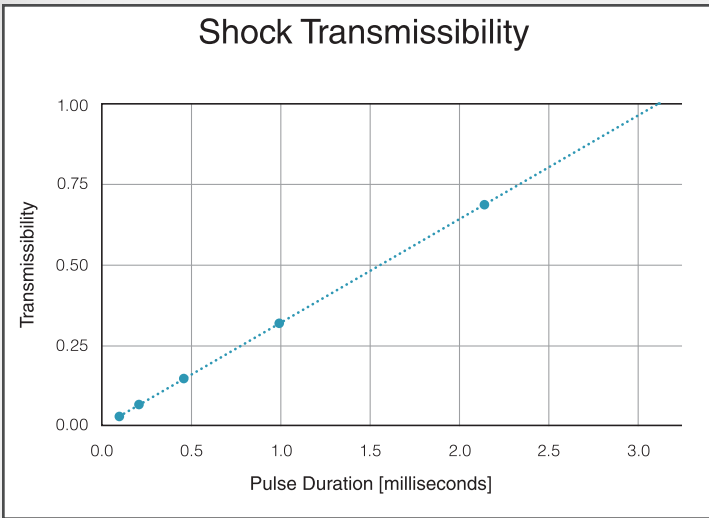


SHOCK COMPARISON



Theoretical performance only

LORD



Theoretical performance only. Detailed run data available upon request.

ABOUT LORD CORPORATION

Founded in 1924, LORD Corporation is a diversified technology and manufacturing company commercializing highly reliable adhesives, coatings, vibration control and motion management devices and systems, and sensing technologies. Our dedicated teams collaborate with customers to provide innovative solutions, reduce risk and increase the value of their products.

Employees: More than 3,000 worldwide

Operations: LORD operates 19 manufacturing facilities and 10 R&D centers worldwide. Dedicated teams provide customers with easy access to products and technical expertise — whenever and wherever they are needed.

Actual Shock Test Results

150-lb mass, Half-sine input

Input [g]*	Output [g]	Duration [ms]	Shock Mitigation
40	0.791	0.5	96%
40	1.712	1	93%
40	1.900	2	93%
40	2.405	3	91%

**40g input limited by test equipment capabilities*

CORE SCIENCES AND TECHNOLOGIES

Continuing the company's tradition of ingenuity and inventive spirit, we continue to develop technologies to meet the needs and challenges of an ever-evolving global marketplace.

- Surface Science
- Polymer Science
- Material Science
- Mechanical Design
- Dynamic Systems
- Control Systems
- Wireless Sensing
- Energy Harvesting
- Inertial/Orientation Technologies
- Displacement Sensing

MORE INFORMATION

To learn more about LORD Oil & Gas products, visit LORD.com/OilandGas. Contact Customer Support at +1 855 796 1595 or OilandGas@lord.com.

