

MWD Vibration Isolators

APS Technology provides best in class MWD Vibration isolation systems. Our patented isolators offer exceptional reliability and low cost of ownership. These systems effectively protect sensitive MWD components from damaging shocks. The APS isolators support large axial and torsional loads with minimum deflections, while effectively reducing axial, torsional and lateral shocks, substantially improving reliability and reducing component replacement costs compared to the OEM snubbers.



Patented* Opposing Helical Taper Design Isolator



Battery Isolator (P/N 60272)

Features	Advantages	Benefits
Patented* opposing helical taper design	 Cannot come apart in service 	Improved reliability
	Does not require pins or keys	Long component life
		Reduced maintenance costs
Elastomer-filled helical design	 Large metal / elastomer contact area resists de-bonding under load 	Long component life
		 Protects sensitive electronics
	Excellent damping	Improved reliability
	Electrically isolates the pin and body	
Elastomer is in compression under torsion or axial load	Reduced debonding risk	Reliable wire connections
	 Supports large torsional and axial loads with reduced deflection 	Improved wiring reliability
	Reduced wire flexure	
Superior materials	 Higher-strength materials provide better durability under high shock loads 	Improved reliability
		Reduced maintenance costs
High resonant frequency	 Not excited by the frequency of typical drilling excitations 	Improved reliability
		Protects sensitive electronics
	 Isolates high-frequency shocks 	
Drop-in replacement for OEM snubbers	Superior suspension for your assets	 Easy to install in most probe- based MWD tools
		Low total cost of ownership

* U.S. Patents # 6,916,248 and 5,833,541



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Our customers tell us that, "APS vibration isolators outlast the OEM isolators by more than a 4-to-1 margin," and that they "have never had to replace a failed APS Isolator."

APS also designs and manufactures custom suspension systems for collar- or sondemounted tools. Optional elastomers and custom geometry are available for hightemperature and unique applications.





Product Specifications

Isolator Specifications			
Max. Damping Torque	> 259 inlbs.		
Spring Rate	~ 65,000 lbs./in.		
Natural Frequency	318 Hz.		
Amplification	49% max.		
Isolator Ordering Information			
Part Number	Description		
60272	Battery Isolator		
60478	D & I Isolator		
60479	Gamma Isolator		

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