

Mission™ Drilling White Lightning™ Piston



The premium piston for hostile drilling environments.

This Mission White Lightning bonded piston is a premium multi-durometer solid bonded piston engineered for today's harsh drilling environments. It has higher temperature resistance, superior resistance to tear, abrasion and extrusion, and it increases run times even at pressures up to 7,500 psi.

This piston is manufactured from a highly engineered elastomeric compound. It delivers increased toughness, and is capable of operating in fluid temperatures up to 230°F (110°C) while maintaining high mechanical properties. The piston offers superior performance at a moderate price, resulting in reduced cost per pumping hour.

Features and benefits:

- Increased run times
- Reduced maintenance down time
- Reduced operational costs
- Economical solution to harsh drilling environments

Proven Elastomeric Compound

- High resistance to water, oil and synthetic based drilling fluids
- Increased temperature resistance
- Excellent resistance to tear, abrasion, extrusion and particle embedment while maintaining high mechanical properties

Application:

- Capable of operating in fluid temperatures of up to 230°F (110°C)
- Can be operated in pressures up to 7,500 psi

Body design:

- Reduced mass for lower weight
- Reverse compatibility to existing piston rods
- Bonded design prevents fluid migration and abrasion between body and elastomer



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