

Vulcan Grip®

Advanced Pulley and Sheave Coating

Vulcan Grip Overview

Vulcan Grip is a major breakthrough in V-belt pulley technology that significantly enhances the performance of pulley/sheave driven machinery. Vulcan Grip dramatically increases the energy transfer between pulleys and the drive belt, while simultaneously reducing the wear and stress on belts and bearings and eliminating wear on the pulley grooves.

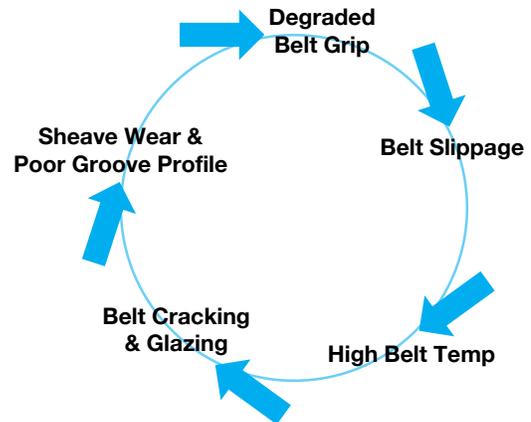
Vulcan Grip's patented surface texture can be applied to standard, commercially available pulleys and sheaves that use standard elastomeric V-belts.

Multiple implementations of Vulcan Grip have demonstrated unprecedented performance in harsh, high torque, high uptime applications such as agriculture, forestry, manufacturing, and pulp and paper processing.

Benefits

- Unprecedented Forever Warranty guarantees the Vulcan Grip coating will never wear out, reducing both downtime and replacement costs
- Increased fuel efficiency due to as much as 65% better energy transfer by eliminating slippage
- Increased production due to better energy transfer (higher torque)
- Dramatic increase in belt life due to reduced heating and glazing; no need to over tension
- Improved bearing life due to lower temperatures and elimination of excessive tensioning loads

Classic Pulley/V-belt Degradation Cycle



Fuel Efficiency

A 2200 hp mud pump with just 1% belt slippage wastes 950 gallons of diesel per month.



Vulcan Grip Technology

Vulcan Grip is a patented surface texture that significantly increases the coefficient of friction of a pulley's belt contact surface without degrading the life of the drive belt—unlike any conventional method. The Vulcan Grip coating creates a non-abrasive profile on the drive surface that laterally transfers energy to the drive belt by interlocking with the belt at the microscopic level. By eliminating slippage, Vulcan Grip also eliminates the primary wear mechanism in any V-belt drive system.

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