

When drilling through rock, strength and reliability isn't optional, it's engineered.

At Horizontal Technology, Inc., we engineered the Viper™ Rock Reamer to eliminate the catastrophic failures of split-bit reamers and ensure the highest level of down-hole cutter security. The Viper delivers unrivaled durability, smoother rotation, and superior penetration rates, setting a new benchmark for HDD performance.

Our Jumbo Viper™ Rock Reamer aren't just strong, they're FEA-validated using

Abaqus to ensure every bolted connection and structural component performs under extreme conditions. Available in 4" to 60" bodies, allowing for hole sizes that range from 8 ¾" to 72".



What makes the HTI Viper™ Rock Reamer a preferred choice?

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| Simulation-Backed Strength | Ultimate Tensile Capacity: 653,500 lbs |
| | Ultimate Torsional Capacity: 1,148,500 ft-lbs |
| | Working Tensile Load: 435,500 lbs |
| | Working Torsional Load: 765,500 ft-lbs |
| Precision Cutter Cones & Jetting Nozzles | For maximum cutting efficiency and optimized fluid flow for cleaning the hole. |
| Modular Cutter Arms | Simplified maintenance and cone replacement as well as on site versatility. |
| Robust Body & Mandrel | Built to withstand the harshest torsional and tensile forces |
| Zero Lost Bits Downhole – Ever | Our design ensures secure cutter retention for uninterrupted drilling |

HTI Locations:

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