



DrillSphere

COMPANY PROFILE



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ABOUT US

DrillSphere Global Private Limited is a trusted manufacturer and supplier of Horizontal Directional Drilling (HDD) machine tools, serving India, the Middle East, Africa, and global trenchless technology sectors. Certified with ISO 9001:2015, ISO 14001

Our core expertise lies in designing and manufacturing:

- Rock Reamers
- Barrel Reamers
- Fly Cutter Reamers
- TCI Roller Cone

Built with precision and engineered for reliability, our tools ensure contractors achieve maximum efficiency in pipeline, telecom, power, and water infrastructure projects.





OUR MISSION



Advanced Engineering : We design HDD tools with cutting-edge technology and precision geometry to maximize drilling efficiency across diverse ground conditions.



Cost-Effectiveness: By reducing tool failure and replacement cycles, we deliver solutions that lower project costs and boost contractor profitability.



Global Infrastructure Support: Our HDD tools enable trenchless technology projects worldwide, powering growth in energy, water, and communication networks.



OUR VISION



Global Leadership: To be recognized as a leading innovator in HDD tooling, setting benchmarks for performance, reliability, and cost-efficiency worldwide.



Innovation-Driven Growth: To continuously advance trenchless technology by developing smarter, more efficient HDD tools that meet evolving infrastructure demands.



Sustainable Future: To support eco-friendly construction by creating tools that minimize surface disruption and environmental impact.



Excellence & Trust: To build a brand synonymous with engineering excellence, customer trust, and long-term value in the HDD industry.

MARKETING PLAN

At DrillSphere Global Private Limited, our marketing plan focuses on delivering high-quality HDD tools through competitive pricing, strong promotion, and global distribution, ensuring long-term client trust and market growth.



PRODUCT

DrillSphere Global delivers HDD tools like Rock, Barrel, Fly Cutter Reamers, Barrel Reamers, built with high-grade alloy steel for precision, durability, and reliable performance in tough underground conditions.



PRICE

We provide value-driven pricing, by optimizing manufacturing and supply chains, we ensure affordability without compromising strength, safety, or standards while also offering custom solutions for specific project needs.



PROMOTION

We build visibility through brochures, catalogues, 3D drawings, and a strong digital presence on LinkedIn, Indiamart, Alibaba, and global B2B portals. By showcasing client success stories, we strengthen trust and drive growth worldwide.



PLACE

Our HDD tools are manufactured in India with a global outlook, supporting contractors in infrastructure, telecom, and energy projects. We serve markets across UAE, Qatar, Oman, Africa, and South Asia through direct sales, distributor partnerships, and global B2B platforms

KNOW ABOUT OUR SERVICES

ROCK REAMER



Rock Reamers are heavy-duty Horizontal Directional Drilling (HDD) tools designed for enlarging holes through hard rock, cobble, and mixed ground conditions. They are engineered for maximum durability, cutting efficiency, and torque handling capacity.

Applications:

- Pipeline installation under highways, rivers, and urban structures
- Utility crossings in rocky terrain
- HDD projects requiring large bore sizes in challenging geology

◆ Key Features:

- High-strength alloy steel body for extreme toughness
- Replaceable cutters (TCI for different ground formations)
- Precision-engineered shaft (4140/4145H) for heavy pulling capacity
- Multiple jet nozzles for improved cutting and hole cleaning
- Custom sizes available (12" – 60" and beyond)
- Available with API standard threads (e.g., 2 7/8", 3 1/2", 4 1/2", 5 1/2" Reg FH IF)



BARREL REAMER



Barrel Reamers are versatile HDD hole-enlarging tools designed to handle a wide range of soil conditions—from soft ground to mixed formations with light rock. Their balanced design ensures smooth rotation, reduced torque, and efficient spoil removal.

◆ Applications:

- HDD utility installations (water, gas, telecom, power)
- Pipeline crossings in soft to medium ground
- Pre-reaming before final pullback in mixed formations

◆ Key Features:

- Cylindrical barrel-shaped body for balanced cutting
- Wear-resistant replaceable cutters (carbide, drag, or teeth options)
- Available with API standard threads (e.g., 2 7/8", 3 1/2", 4 1/2", 5 1/2" Reg FH IF)
- Strong alloy steel body for durability and long life
- Optional hardfacing and nozzles for improved performance



FLY CUTTER REAMER



Fly Cutter Reamers are HDD reaming tools designed for efficient hole opening in soft to medium-hard formations. They feature multiple, strategically placed cutter arms ("wings") that maximize cutting area and ensure smooth, fast drilling.

◆ Applications:

- HDD bore enlargement in soil, clay, shale, and soft rock
- Utility and pipeline installations under roads, rivers, and urban areas
- Pre-reaming before pullback in mixed conditions

◆ Key Features:

- Multi-wing cutter design for aggressive cutting action
- High-grade alloy steel body for maximum durability
- Replaceable carbide cutters / bullet teeth for extended tool life
- Efficient fluid flow and hole cleaning through nozzle placements
- Standard API threads (2 7/8", 3 1/2", 4 1/2", 5 1/2" Reg FH IF)



TCI CUTTER



TCI Cutter (Tungsten Carbide Insert) Roller Bits are drilling tools designed for penetrating hard and abrasive formations. They use precision-engineered cones with tungsten carbide inserts that crush, cut, and grind rock efficiently, making them ideal for HDD, oilfield, mining, and water well applications.

◆ Applications:

- **HDD projects in hard rock and abrasive formations**
- **Oil & gas drilling**
- **Mining and geothermal exploration**
- **Water well drilling in tough geology**

◆ Key Features:

- **High-strength alloy steel body with heat treatment**
- **Tungsten Carbide Inserts for maximum durability**
- **Options: Sealed Bearings**
- **Available in various IADC 637 Codes for different rock types**
- **Multiple nozzle configurations for effective hole cleaning**



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