



PRODUCT DATA SHEET

TRICONE ROCK BIT

MODEL: 5½" IADC 537

TERRA Tricone Drill Bits are engineered for operators who demand durability, reliability, and consistent performance in challenging drilling conditions. Designed for rotary drilling applications, TERRA bits provide exceptional stability, efficient cutting action, and dependable penetration rates across a wide range of formations.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Bit Type	Tricone Roller Cone Bit
Bit Size	5½" (139.7mm)
IADC Code	537
Connection Thread	2⅞" API Reg Pin
Nozzel Size	10⁄32"
Bearing	Sealed Journal Bearing
Weight	40 lbs

OPERATION SUGGESTIONS

Weight On Bit	13,000 - 39,000 lbs
Rotary Speed	40-110 r/min

RECOMMENDED FORMATIONS

- Ideal for medium-soft formations with abrasive stringers, including hard shale, soft limestone, sandstone, and dolomite. Provides dependable performance, enhanced durability, and consistent drilling efficiency in demanding applications.
- Operating parameters are provided as guidelines and should be adjusted according to formation characteristics and drilling conditions.
- The maximum recommended WOB and RPM values should not be applied simultaneously



TERRA ROCK BIT



KEY PERFORMANCE FEATURES

- ✓ **Nozzled Circulation Ports:**
Delivers efficient fluid distribution for cleaner holes, smoother drilling and improved performance.
- ✓ **Smooth, Stable Drilling:**
Experience significantly reduced vibration, steady torque, and rock-solid stability that minimizes tool damage and keeps your operation running smoothly.
- ✓ **Faster ROP:**
Optimized design drives higher rates of penetration, helping you complete jobs quicker and more efficiently.



ENGINEERED FOR PRECISION.
BUILT FOR POWER.
TRUSTED IN THE FIELD.



TERRA
— ROCK BIT —

Terrarockbit.com

Technical data, field support, and custom bit design options.



PRODUCT DATA SHEET

TRICONE ROCK BIT

MODEL: 6 1/2" IADC 637

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TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Bit Type	Tricone Roller Cone Bit
Bit Size	6 1/2" (165mm)
IADC Code	637
Connection Thread	3 1/2" API Reg Pin
Nozzel Size	10/32"
Bearing	Sealed Journal Bearing
Weight	45 lbs

OPERATION SUGGESTIONS

Weight On Bit	26,000 - 44,000 lbs
Rotary Speed	70 - 40 r/min

RECOMMENDED FORMATIONS

- Ideal for medium-hard formations with high compressive strength and abrasive characteristics, including limestone, dolomite, and sandstone. Provides exceptional durability, reliable performance, and efficient drilling in demanding geological conditions.
- Operating parameters are provided as guidelines and should be adjusted according to formation characteristics and drilling conditions.
- The maximum recommended WOB and RPM values should not be applied simultaneously



TERRA ROCK BIT



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