



Volgaburmash

ROLLER CONE DRILL BIT

**311.1 MTR437 (AUL-
KLSD43XWDGDF)**

Diameter 311.1 mm (12 1/4")

IADC 437

Product line Motor

Motor bits are designed for a wide range of drilling applications. Sealed bearings, optimum cutting structure and complex body protection provide excellent performance.

Specification

Bearing type Single sealed roller bearing
Seal Elastomer seal
Number of nozzles* 4
Thread, API Pin 6 5/8 Reg
Gross weight, kg 90,7

Application

Motor bit is applied for drilling of oil and gas wells in soft abrasive formation with water or mud circulation.

Drilling modes recommended

RPM 180-40
WOB, t 8-25

Design features

Combined circulation. (Three side jets and one central jet).
Shirttail and leg leading edge hard facing.
Leg protection with TC compacts and diamond compacts.
Chisel inserts.
Enhanced heel row with diamond inserts.
Single gage of 30% diamond compacts and TC compacts.
Tungsten carbide coated cone body.

Quality management system is certified to ISO 9001 and API Specification Q1

* Standard specification may be changed on customer request

For the purpose of performance improvement, minor changes of the bit design may be introduced without prior customer notification

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