



Volgaburmash

ROLLER CONE DRILL BIT

**311.1 MTR417 (AUL-
KLS41XPEGD)**

Diameter 311.1 mm (12 1/4")

IADC 417

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 Journal bearing
Seal Elastomer radial type
Number of nozzles* 4
Thread, API Pin 6 5/8 Reg
Gross weight, kg 95

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.
Chisel inserts.
Near gauge of TCI.
Energy balanced cutting structure.
Single gauge of 30% diamond compacts and TC compacts.

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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