



Volgaburmash

ROLLER CONE DRILL BIT

374.6 MTR427 (AU-KLS42XP)

Diameter 374.6 mm (14 3/4")

IADC 427

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 seal
Number of nozzles* 4
Thread, API Pin 7 5/8 Reg
Gross weight, kg 137

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 110-40
WOB, t 10-23

Design features

Combined circulation (three side jet and one central jet)
Shirttail and leg leading edge hard facing
Leg protection with TC compacts
Chisel inserts.
Near gauge of TCI

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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