



Volgaburmash

ROLLER CONE DRILL BIT

444.5 GRDP 417 (AUM2-KLS41ZPGG)

Diameter 444.5 mm (17 1/2")

IADC 415

Product line GrandPro

GrandPro bits are designed for multiple drilling of upper well sections (surface hole, conductor hole). Sealed bearings, optimum cutting structure and complex body protection provide excellent bit life and performance.

Specification

Bearing type Journal Bearing
Seal Elastomer Seal
Number of nozzles* 4
Thread, API Pin 7 5/8 Reg
Gross weight, kg 235

Application

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

Drilling modes recommended

RPM 300-40
WOB, t 17-40

Design features

Combined circulation (Three side jets and one central jet).
Shirttail and leg leading edge hard facing.
Leg protection with TC compacts.
Near gauge of TCI.
Single gauge of TCI.
Other shape inserts.

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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