



Volgaburmash

ROLLER CONE DRILL BIT

393.7 GRD313 (V-K31G)

Diameter 393.7 mm (15")

IADC 313

Product line Grand

Grand bits with open bearings are designed for drilling upper well sections (surface hole, conductor hole). Without sealing elements in the bearing, it is possible to maximize the journal and the rollers dimensions and to achieve full circulation in the bearing which is highly important as it helps reduction of the torque, providing quick cooling action and increasing bearing life.

Specification

Bearing type Roller bearing
Seal None
Number of nozzles* 4
Thread, API Pin 7 5/8 Reg
Gross weight, kg 183

Application

Grand bit is applied for drilling of oil and gas wells in hard formation with water or mud circulation.

Drilling modes recommended

RPM 600-40
WOB, t..... 23-46

Design features

Combined circulation (three side nozzles and one central nozzle)
Single gauge of 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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