



# Volgaburmash

## ROLLER CONE DRILL BIT

**508 GRD111 (V-KL11)**

Diameter ..... 508 mm (20")

IADC ..... 111

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 ..... Open Roller bearing  
Seal ..... None  
Number of nozzles\* ..... 4  
Thread, API ..... Pin 7 5/8 Reg  
Gross weight, kg ..... 340

### Application

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

### Drilling modes recommended

RPM ..... 600-40  
WOB, t ..... 9-31

### Design features

Combined circulation (Three side jets and one central jet)  
Shirttail and leg leading edge hardfacing  
The state of the art computer bit assembly allows increasing the bit bearing durability.

**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