



# Volgaburmash

## ROLLER CONE DRILL BIT

**444.5 GRDP117 (AUM2-KLS11TGP)**

Diameter ..... 444.5 mm (17 1/2")

IADC ..... 117

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 ..... Double elastomer radial type  
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 formations with water or mud circulation.

### Drilling modes recommended

RPM ..... 300-40  
WOB, t ..... 12-31

### Design features

Combined circulation (Three side jets and one central jet )  
Shirttail and leg leading edge hardfacing  
Leg protection with TC compacts  
Enhanced thick teeth hardfacing  
Single gage of TC compacts  
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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