



# Volgaburmash

## ROLLER CONE DRILL BIT

**311.1 MTR417 (AUL-KLS41XP)**

Diameter ..... 311.1 mm (12 1/4")

IADC ..... 417

Product line ..... TechnoPro

TecnoPro bits are designed for drilling water wells, vertical and directional drilling and construction drilling. Sealed bearings, optimum cutting structure and complex body protection provide excellent bit life and performance.

### Specification

Bearing type ..... Roller bearing  
Seal ..... Elastomer seal  
Number of nozzles\* ..... 4  
Thread, API ..... Pin 6 5/8 Reg  
Gross weight, kg ..... 95,7

### Application

TechnoPro bit is applied for water drilling in soft abrasive formations with water or mud circulation.

### Drilling modes recommended

RPM ..... 180-40  
WOB, t ..... 8-25

### Design features

Combined circulation ( Three side jets 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

VOLGABURMASH, JSC  
Grozenskaya St. 1  
Samara, 443004, Russia

Tel./fax: +7 (846) 300-8000  
e-mail: mail@vbm.ru  
www.vbm.ru