



# Volgaburmash

## ROLLER CONE DRILL BIT

**311.1 MTR135 (VU2-KLS13TG)**

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

IADC ..... 135

Product line ..... Motor

Motor bits are designed for a wide range of drilling applications. Sealed bearings, optimum cutting structure and complex body protection provide excellent performance.

### Specification

Bearing type ..... Roller bearing  
Seal ..... Double elastomer radial type  
Number of nozzles\* ..... 4  
Thread, API ..... Pin 6 5/8 Reg  
Gross weight, kg ..... 82

### Application

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

### Drilling modes recommended

RPM ..... 300-40  
WOB, t ..... 11-27

### Design features

Combined circulation (three side jet and one central jet)  
Shirttail and leg leading edge hardfacing  
Leg protection with TCI  
Enhanced thick teeth hardfacing  
Single gauge of TCI 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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