



# Volgaburmash

## ROLLER CONE DRILL BIT

**311.1 MTRP517 (AUL-KLS51XPW)**

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

IADC ..... 517

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 ..... Journal bearing  
Seal ..... Elastomer radial type  
Number of nozzles\* ..... 4  
Thread, API ..... Pin 6 5/8 Reg  
Gross weight, kg ..... 100

### Application

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

### Drilling modes recommended

RPM ..... 180-40  
WOB, t ..... 11-25

### 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.  
Enhanced heel row.

**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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