



# DBF

## TRICONE DRILL BIT

# 12 1/4 RS4 UT93M1

<b>Diameter:</b>	<b>311.1mm (12 1/4")</b>
<b>IADC Code:</b>	<b>215</b>
<b>Design number:</b>	<b>UT93M1</b>
<b>State standard designation:</b>	<b>C-ЦГВУ</b>

### Specification

Gradient angle of axle journal	33°
Axle journal offset relative to drill bit axis	4.78 mm
Bearing type	Roller bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	130 (73/57)
Total number of insert rows (inner/heel row)	10 (7/3)
Number of changeable nozzles	4
Connecting thread	3-152 (6 5/8 REG)
Drill bit net weight, kg	83.00
Drill bit gross weight, kg	85.80

### Purpose

The drill bit is designed for drilling medium hard formations

### Recommended Drilling Conditions

Rotation speed	300-40 rpm
Thrust load	14.00-27.00 t (30800-59400 lbs)

The lower level of rotation speed value corresponds the upper level of thrust load value and vice versa

### Design Features

Combined circulation (central and side) for what the screw from the central unit must be unscrewed

The shirrtail and leg entering edge are hardfaced with tungsten carbide

The leg is protected with tungsten carbide inserts

Tungsten carbide inserts on cone gages

