



DBF

TRICONE DRILL BIT

12 1/4 RS1 UT105M1

Diameter:	311.1mm (12 1/4")
IADC Code:	115
Design number:	UT105M1
State standard designation:	M-ГВУ

Specification

Gradient angle of axle journal	33°
Axle journal offset relative to drill bit axis	10.00 mm
Bearing type	Roller bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	80 (36/44)
Total number of insert rows (inner/heel row)	7 (4/3)
Number of changeable nozzles	4
Connecting thread	3-152 (6 5/8 REG)
Drill bit net weight, kg	80.00
Drill bit gross weight, kg	82.80



Purpose

The drill bit is designed for drilling soft formations

Recommended Drilling Conditions

Rotation speed	300-40 rpm
Thrust load	8.00-21.00 t (17600-46200 lbs)

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

Design Features

Lateral flushing through hydromonitor nozzles

The shirttail and leg entering edge are hardfaced with tungsten carbide

Complete coverage of all cone teeth with a hard alloy.

Tungsten carbide inserts on cone gages

