

DBF

TRICONE DRILL BIT

15 1/2 RS1 UT120

Diameter:	393.7mm (15 1/2")
IADC Code:	114
Design number:	UT120
State standard designation:	M-ЦГВУ

Specification

Gradient angle of axle journal	33°
Axle journal offset relative to drill bit axis	13.00 mm
Bearing type	Roller bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	73 (29/44)
Total number of insert rows (inner/heel row)	7 (4/3)
Number of changeable nozzles	4
Connecting thread	3-177 (7 5/8 REG)
Drill bit net weight, kg	149.00
Drill bit gross weight, kg	153.40



Purpose

The drill bit is designed for drilling soft formations

Recommended Drilling Conditions

Rotation speed	300-40 rpm
Thrust load	7.00-24.00 t (15400-52800 lbs)

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

Design Features

