



TRICONE DRILL BIT

5 1/2 FS25 UT519

Diameter:	139.7mm (5 1/2")
IADC Code:	527X
Design number:	UT519
State standard designation:	M3-ГAY

Specification

Gradient angle of axle journal	33°
Axle journal offset relative to drill bit axis	4.80 mm
Bearing type	Journal bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	81 (49/32)
Total number of insert rows (inner/heel row)	11 (8/3)
Number of changeable nozzles	3
Connecting thread	3-76 (2 7/8 REG)
Drill bit net weight, kg	12.00
Drill bit gross weight, kg	12.50

Purpose

The drill bit is designed for drilling soft abrasive formations

Recommended Drilling Conditions

Rotation speed	150-40 rpm
Thrust load	3.00-8.00 t (6600-17600 lbs)

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

Design Features

