



TRICONE DRILL BIT

17 1/2 RS45 UT78

Diameter:	444.5mm (17 1/2")
IADC Code:	625X
Design number:	UT78
State standard designation:	T3-ЦГВУ

Specification

Gradient angle of axle journal	36°
Axle journal offset relative to drill bit axis	3.20 mm
Bearing type	Roller bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	223 (147/76)
Total number of insert rows (inner/heel row)	14 (11/3)
Number of changeable nozzles	4
Connecting thread	3-177 (7 5/8 REG)
Drill bit net weight, kg	230.00
Drill bit gross weight, kg	254.50

Purpose

The drill bit is designed for drilling hard abrasive formations

Recommended Drilling Conditions

Rotation speed	300-40 rpm
Thrust load	19.00-37.00 t (41800-81400 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 which the screw of the central unit must be unscrewed

The leg shirttail and the entering edge are hardfaced with tungsten carbide

The leg is protected with tungsten carbide inserts

Tungsten carbide inserts on cone gage

