



DBF

TRICONE DRILL BIT

17 1/2 RS05 UT442

Diameter:	444.5mm (17 1/2")
IADC Code:	435
Design number:	UT442
State standard designation:	M3-ЦГВУ

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)	118 (66/52)
Total number of insert rows (inner/heel row)	10 (7/3)
Number of changeable nozzles	4
Connecting thread	3-177 (7 5/8 REG)
Drill bit net weight, kg	220.00
Drill bit gross weight, kg	247.50



Purpose

The drill bit is designed for drilling soft abrasive formations

Recommended Drilling Conditions

Rotation speed	300-40 rpm
Thrust load	7.00-25.00 t (15400-55000 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 shirttail and leg entering edge are hardfaced with tungsten carbide

The leg is protected with tungsten carbide inserts

Tungsten carbide inserts on cone gages

