



DBF

TRICONE DRILL BIT

8 1/2 RS05 UT443

Diameter:	215.9mm (8 1/2")
IADC Code:	425X
Design number:	UT443
State standard designation:	M3-ЦГНУ

Specification

Gradient angle of axle journal	33°
Axle journal offset relative to drill bit axis	7.90 mm
Bearing type	Roller bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	82 (46/36)
Total number of insert rows (inner/heel row)	10 (7/3)
Number of changeable nozzles	4
Connecting thread	3-117 (4 1/2 REG)
Drill bit net weight, kg	37.00
Drill bit gross weight, kg	38.50



Purpose

The drill bit is designed for drilling soft abrasive formations

Recommended Drilling Conditions

Rotation speed	200-40 rpm
Thrust load	4.00-12.00 t (8800-26400 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 must be unscrewed from the central unit

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

The leg shirrtail is protected with tungsten carbide inserts

Two rows of tungsten carbide inserts on cone gage

