



# TRICONE DRILL BIT

## 7 1/2 RS05 UT457

Diameter:	190.5mm (7 1/2")
IADC Code:	425X
Design number:	UT457
State standard designation:	M3-ГНУ

### Specification

Gradient angle of axle journal	33°
Axle journal offset relative to drill bit axis	6.40 mm
Bearing type	Roller bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	81 (42/39)
Total number of insert rows (inner/heel row)	9 (6/3)
Number of changeable nozzles	3
Connecting thread	3-117 (4 1/2 REG)
Drill bit net weight, kg	30.00
Drill bit gross weight, kg	31.50

### Purpose

The drill bit is designed for drilling soft abrasive formations

### Recommended Drilling Conditions

Rotation speed	200-40 rpm
Thrust load	3.00-10.00 t (6600-22000 lbs)

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

### Design Features

Side circulation. Side jetting nozzles

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

The leg shirrtails are protected with tungsten carbide inserts

Tungsten carbide inserts on cone gage

