



8 1/2 FS35 UT310

Diameter:	215.9mm (8 1/2")
IADC Code:	547X
Design number:	UT310
State standard designation:	C3-ЦГAY

Specification

Gradient angle of axle journal	36°
Axle journal offset relative to drill bit axis	3.20 mm
Bearing type	Journal bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	144 (99/45)
Total number of insert rows (inner/heel row)	14 (11/3)
Number of changeable nozzles	4
Connecting thread	3-117 (4 1/2 REG)
Drill bit net weight, kg	39.00
Drill bit gross weight, kg	40.50

Purpose

The drill bit is designed for drilling medium hard abrasive formations

Recommended Drilling Conditions

Rotation speed	180-40 rpm
Thrust load	10.00-21.00 t (22000-46200 lbs)

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

Design Features

