



8 1/2 FS30 UT291

Diameter:	215.9mm (8 1/2")
IADC Code:	537X
Design number:	UT291
State standard designation:	MC3-ЦГАУ

Specification

Gradient angle of axle journal	33°
Axle journal offset relative to drill bit axis	4.80 mm
Bearing type	Journal bearing
Sealing	Elastomer
Total number of inserts (inner/heel row)	125 (102/23)
Total number of insert rows (inner/heel row)	13 (10/3)
Number of changeable nozzles	4
Connecting thread	3-117 (4 1/2 REG)
Drill bit net weight, kg	38.40
Drill bit gross weight, kg	39.90

Purpose

The drill bit is designed for drilling soft abrasive formations with medium hard streaks

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

