



## 7 1/2 R20 UT144

Diameter:	190.5mm (7 1/2")
IADC Code:	513X
Design number:	UT144
State standard designation:	M3-ГВ

### Specification

Gradient angle of axle journal	33°
Axle journal offset relative to drill bit axis	6.35 mm
Bearing type	Roller bearing
Sealing	None
Total number of inserts (inner/heel row)	111 (73/38)
Total number of insert rows (inner/heel row)	11 (8/3)
Number of changeable nozzles	3
Connecting thread	3-117 (4 1/2 REG)
Drill bit net weight, kg	31.50
Drill bit gross weight, kg	33.00

### Purpose

The drill bit is designed for drilling soft abrasive formations

### Recommended Drilling Conditions

Rotation speed	600-40 rpm
Thrust load	5.00-15.00 t (11000-33000 lbs)

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

### Design Features

