



## 7 1/2 R1 UT175

|                             |                  |
|-----------------------------|------------------|
| Diameter:                   | 190.5mm (7 1/2") |
| IADC Code:                  | 111              |
| Design number:              | UT175            |
| State standard designation: | M-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)       | 63 (25/38)        |
| Total number of insert rows (inner/heel row)   | 7 (4/3)           |
| Number of changeable nozzles                   | 3                 |
| Connecting thread                              | 3-117 (4 1/2 REG) |
| Drill bit net weight, kg                       | 29.50             |
| Drill bit gross weight, kg                     | 31.00             |

### Purpose

The drill bit is designed for drilling soft formations

### Recommended Drilling Conditions

|                |                               |
|----------------|-------------------------------|
| Rotation speed | 600-40 rpm                    |
| Thrust load    | 3.00-11.00 t (6600-24200 lbs) |

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

### Design Features

