



7 7/8 M50 T199

Diameter:	200.0mm (7 7/8")
IADC Code:	512Y
Design number:	T199
State standard designation:	МЗ-ПГВ

Specification

Gradient angle of axle journal	36°
Axle journal offset relative to drill bit axis	0.50 mm
Bearing type	Roller bearing
Sealing	None
Total number of inserts (inner/heel row)	115 (71/44)
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	32.70
Drill bit gross weight, kg	34.20

Purpose

The drill bit is designed for drilling soft abrasive formations

Recommended Drilling Conditions

Rotation speed	115-60 rpm
Thrust load	3.00-14.00 t (6600-30800 lbs)

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

Design Features

Side and bearing circulation of the borehole bottom with air and water mixture

The shirttail and leg entering edge are hardfaced with tungsten carbide

The leg is protected with tungsten carbide inserts

Tungsten carbide inserts on cone gage

