TRICONE DRILL BIT

11 M75 T545

Diameter:	**279.4mm (11")**
IADC Code:	**732Y**
Design number:	**T545**
State standard designation:	**К-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)	189 (133/56)
Total number of insert rows (inner/heel row)	15 (12/3)
Number of changeable nozzles	3
Connecting thread	З-152 (6 5/8 REG)
Drill bit net weight, kg	79.10
Drill bit gross weight, kg	81.50

Purpose

The drill bit is designed for drilling hard formations

Recommended Drilling Conditions

Rotation speed	115-60 rpm
Thrust load	12.00-25.00 t (26400-55000 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 leg shirttail and entering edge are hardfaced with tungsten carbide.

The leg is protected with tungsten carbide inserts

Tungsten carbide inserts on cone gage.