

RC BIT 4-1/2" S3GY

IADC 633



WT/40654/000019

Cutting Structure	G-TCI-Dura™
Total Rows Count	11
Total Heel Insert Count	34
Total Inserts Count	85
Inner/Main Gauge	51/34
Bearing Type	DynaRoll™
Circulation	center fluid
Connectiön	pin 2-3/8" Reg
W.O.B	3600 -8100 daN/bit, 17820-33660 lbs/bit
R.P.M	50-250
Make Up Torque	4340-5150 N-m, 3200-3800 ft-ibs
Total flow area	0.01 - 0,25 in^2
Min. Flow rate	158 GPM
Maximum overpull	307 klbs
Bit Weight	~5 kg



G-TCI-Dura™ Cutting Structure

G-TCI-Dura™ cutting structure, based on tungsten carbide inserts, delivers maximum durability and performance in medium hard to ultra hard, abrasive formations. Precision-set inserts with optimized geometry enable efficient rock destruction through crushing while maintaining exceptional wear resistance. An advanced design incorporating crest inserts, gauge protection, and wear-resistant hardfacing ensures stable drilling performance, full gauge hole integrity, and extended bit life in demanding operating conditions.



DynaRoll™ Bearing System

DynaRoll™ bearing system used in large diameter roller cone bits provides high load capacity, low friction, and stable rotation in demanding drilling conditions. Provide significantly enhanced durability by isolating the bearing assembly from mud, cuttings, and contaminants, ensuring smooth operation even in demanding drilling environments.

