

PATRIOT

Technical Datasheet

9 7/8" LDP517G

250.8mm
Assembly #R10196
IADC 517



Application

PATRIOT series bits provide excellent steerability and high rates of penetration, even when weight on bit is limited. The bearing provides long, reliable performance in deep hole, long reach sections where high RPMs in motor applications are commonly encountered.

Product Specifications

Gage Inserts:	47
Total Inserts:	123
Heel Row:	Flat
Gage Row:	Chisel
Inner Row:	Chisel
Bearing Type:	Sealed Journal
Bearing Seal Type:	HSN O-Ring
Fluid Circulation:	3 Nozzles with Snap Rings
Nozzle Part No.:	6703
Center Jet Part No.:	N/A
Pin Connection:	6 5/8 in API Regular
Approx. Weight:	140 lbs (63.6 kg)

Operating Parameters

Rotary Speed:	For all rotary and motor applications
Flowrate Min-Max:	395-840 gpm (1.5-3.18 m ³ /min)
Max WOB:	59250 lbs (28552 daN)
Make-up Torque:	28000-32000 Ft-Lbs (37963-43386 Nm)

*Operating parameters shown are typical for the bit type specified. For recommendations on your specific application, contact your Varel Energy Solutions representative.

Features

G

A combination of shirttail hardfacing and tungsten carbide inserts on the leg to provide protection to the bit and bearing.



O-K BIT
SERVICE, INC
LINCO DRILLING PRODUCTS

