

PATRIOT

Technical Datasheet

17 1/2" LDP115G

444.5 mm
Assembly #R10214
IADC 115



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 Teeth: | 39 |
| Total Teeth: | 69 |
| Heel Row: | SRT |
| Gage Row: | Full Cap |
| Inner Row: | Full Cap |
| Bearing Type: | Sealed Journal |
| Bearing Seal Type: | HSN O-Ring |
| Fluid Circulation: | 3 Nozzles with Snap Rings |
| Nozzle Part No.: | 10735 |
| Center Jet Part No.: | N/A |
| Pin Connection: | 7 5/8 in API Regular |
| Approx. Weight: | 539 lbs (245 kg) |

Operating Parameters

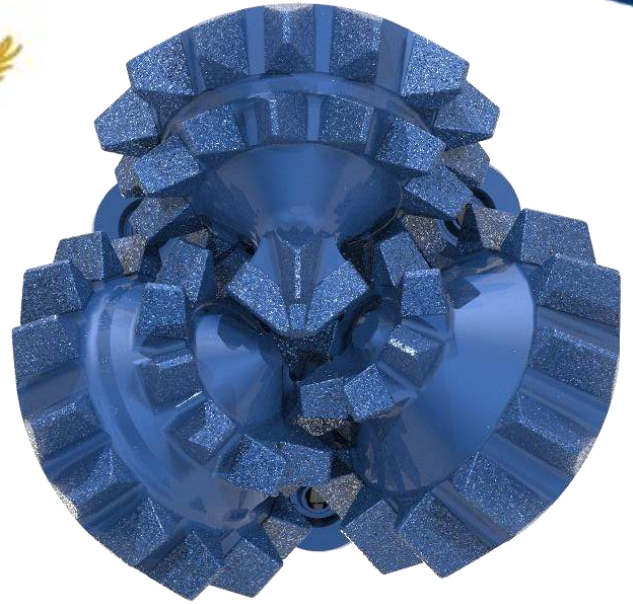
| | |
|-------------------|--|
| Rotary Speed: | For all rotary and motor applications |
| Flowrate Min-Max: | 700-1490 gpm (2.65-5.64 m ³ /min) |
| Max WOB: | 87500 lbs (38922 daN) |
| Make-up Torque: | 34000-40000 Ft-Lbs (46098-54233 Nm) |

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

Features

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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

