

Secoroc Rotary Products

Dirt Digger PDC Bits

5-7/8" D313

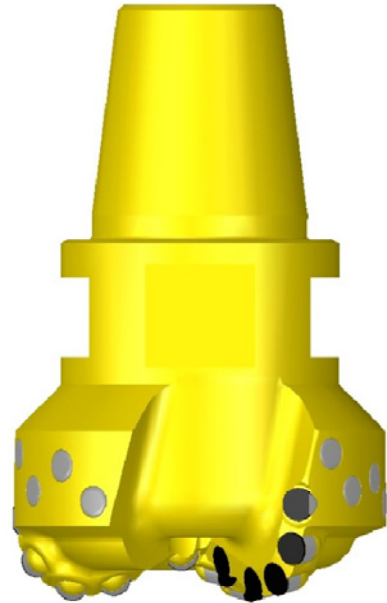
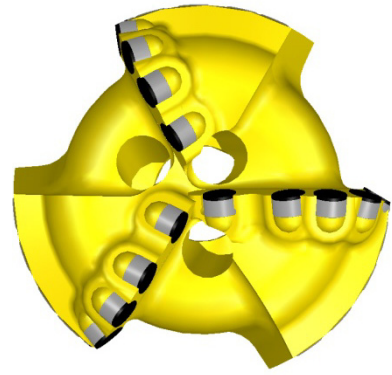
Adding value through performance

Applications:

- Cost effective PDC drill bit ideally suited for mining, construction, fiber optic, water well, geothermal and shallow oil & gas drilling
- Tapered parabolic profile design offers maximum ROP when drilling homogeneous and consolidated formations
- PDC bit advantages over a traditional roller cone bit include longer bit life, smoother drilling operations and increased penetration rates

Design Features:

- 3D designed one-piece 4140 alloy steel body is CNC machined to exact design specifications for maximum blade and body strength
- Optimized cutter distribution profile for blade count, cutter quantity, drilling conditions and bit stability
- Force-balanced PDC cutter locations minimize bit whirl and drill a precise round hole
- Asymmetrical blade layout reduces drilling harmonics



Product Specifications:

General Data:

- Body Type	One-piece Steel
- Gage Length	1.50 in / 38.10 mm
- Overall Length	8.88 in / 225.55 mm
- Shipping Weight	TBD
- Product Number	91002847

Connection:

- Pin Connection	3-1/2" API Reg Pin
- Fishneck Diameter	4.375 in / 111.125 mm
- Fishneck Length	2.20 in / 55.88 mm
- Make-Up Length	5.15 in / 130.81 mm
- Make-Up Torque	6,300-8,400 ft-lbs

Cutting Structure:

- Face Cutters	12 @ 13 mm PDC
- Back-Up Cutters	N/A
- Gage Cutters	3 @ 13 mm PDC

Hydraulics:

- Nozzle Type	3 @ 27/32" Ports
- TFA	1.68 in ²

Recommended Operating Parameters:

- Weight on Bit (WOB)	3,000-15,000 lbs
- Rotary Speed (RPM)	60-150 RPM