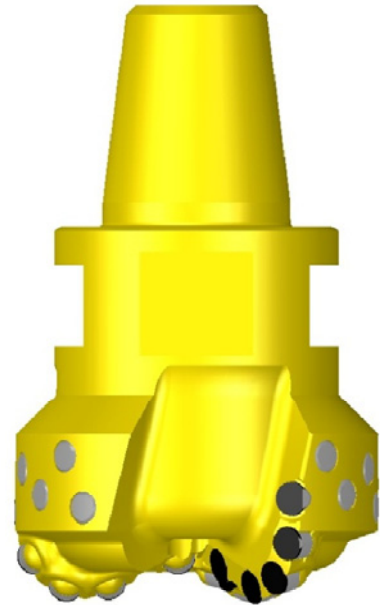
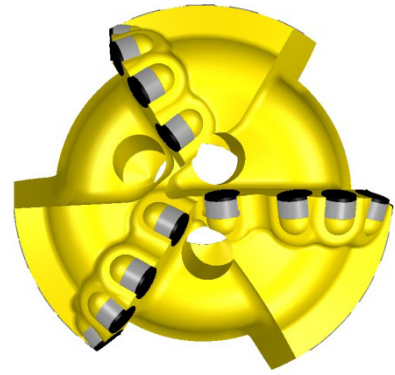


# Secoroc Rotary Products

## Dirt Digger PDC Bits



### 5-5/8" 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	9.0 in / 228.6 mm
- Shipping Weight	TBD
- Product Number	91002845

#### Connection:

- Pin Connection	2-7/8" API Reg Pin
- Fishneck Diameter	4.375 in / 111.125 mm
- Fishneck Length	2.54 in / 64.52 mm
- Make-Up Length	5.35 in / 135.89 mm
- Make-Up Torque	3,700-4,900 ft-lbs

#### Cutting Structure:

- Face Cutters	11 @ 13 mm PDC
- Back-Up Cutters	N/A
- Gage Cutters	3 @ 13 mm PDC

#### Hydraulics:

- Nozzle Type	3 @ 25/32" Ports
- TFA	1.44 in <sup>2</sup>

#### Recommended Operating Parameters:

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