

# Secoroc Rotary Products

## Dirt Digger PDC Bits

### 6-3/4" DP316

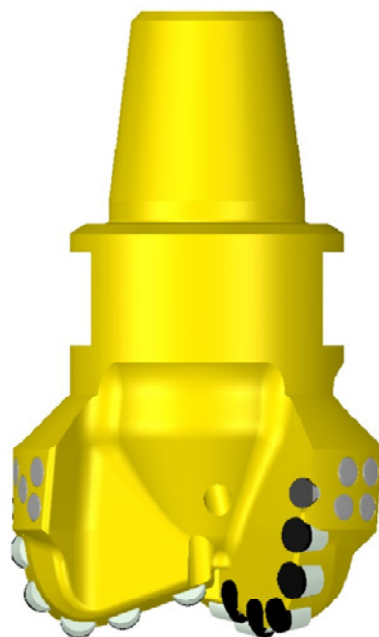
Adding value through performance

#### 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 an optimal combination of cutter protection and ROP capabilities for a variety of formations and drilling conditions
- 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
- Dirt Digger Premium (DP) bits have Tungsten Carbide Hardface applied to critical areas of the bit for erosion resistance



### Product Specifications:

#### General Data:

- Body Type	One-piece Steel
- Gage Length	1.375 in / 34.925 mm
- Overall Length	10.92 in / 277.35 mm
- Shipping Weight	TBD
- Product Number	91002877

#### Connection:

- Pin Connection	3-1/2" API Reg Pin
- Fishneck Diameter	4.75 in / 120.65 mm
- Fishneck Length	3.00 in / 76.20 mm
- Make-Up Length	7.23 in / 183.68 mm
- Make-Up Torque	6,300-8,400 ft-lbs

#### Cutting Structure:

- Face Cutters	14 @ 16 mm PDC
- Back-Up Cutters	N/A
- Gage Cutters	3 @ 13 mm PDC

#### Hydraulics:

- Nozzle Type	6 @ 16/32" Ports
- TFA	1.18 in <sup>2</sup>

#### Recommended Operating Parameters:

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