

Secoroc Rotary Products

Dirt Digger PDC Bits

4-1/4" D013

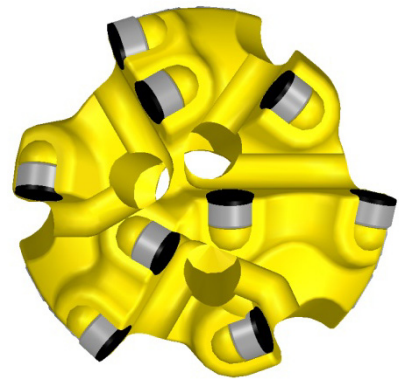
Adding value through performance

Applications:

- Cost effective PDC drill bit ideally suited for mining, construction, fiber optic, water well, geothermal and shallow oil & gas drilling
- Flat parabolic profile design offers maximum protection when drilling non-homogeneous and unconsolidated 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 | 1.45 in / 36.78 mm |
| - Overall Length | 7.44 in / 189.03 mm |
| - Shipping Weight | TBD |
| - Product Number | 91002854 |

Connection:

| | |
|---------------------|---------------------|
| - Pin Connection | 2-3/8" API Reg Pin |
| - Fishneck Diameter | 3.125 in / 79.38 mm |
| - Fishneck Length | 1.49 in / 37.74 mm |
| - Make-Up Length | 4.5 in / 114.4 mm |
| - Make-Up Torque | 2,300-3,000 ft-lbs |

Cutting Structure:

| | |
|-------------------|---------------|
| - Face Cutters | 9 @ 13 mm PDC |
| - Back-Up Cutters | N/A |
| - Gage Cutters | N/A |

Hydraulics:

| | |
|---------------|---------------------|
| - Nozzle Type | 3 @ 20/32" Ports |
| - TFA | .92 in ² |

Recommended Operating Parameters:

| | |
|-----------------------|------------------|
| - Weight on Bit (WOB) | 2,000-10,000 lbs |
| - Rotary Speed (RPM) | 60-150 RPM |

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