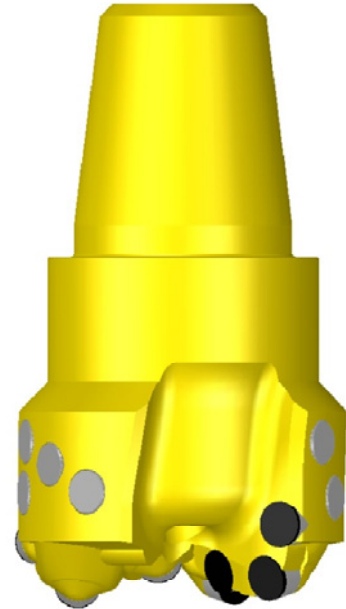
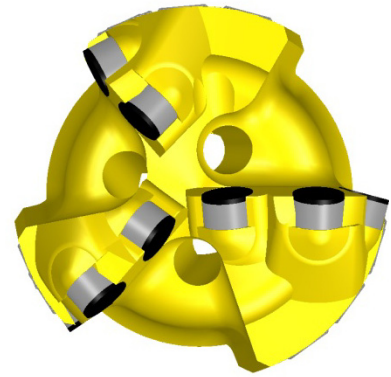


Secoroc Rotary Products

Dirt Digger PDC Bits



3-7/8" 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	7.0 in / 177.8 mm
- Shipping Weight	TBD
- Product Number	91002838

Cutting Structure:

- Face Cutters	8 @ 13 mm PDC
- Back-Up Cutters	N/A
- Gage Cutters	TBD

Connection:

- Pin Connection	2-3/8" API Reg Pin
- Fishneck Diameter	3.125 in / 79.375 mm
- Fishneck Length	1.43 in / 36.32 mm
- Make-Up Length	4.05 in / 102.87 mm
- Make-Up Torque	2,300-3,000 ft-lbs

Hydraulics:

- Nozzle Type	3 @ 16/32" Ports
- TFA	.59 in ²

Recommended Operating Parameters:

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