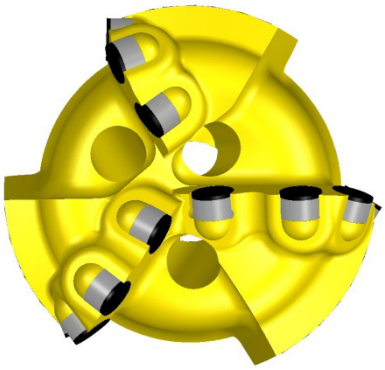
Secoroc Rotary Products

Dirt Digger PDC Bits



4-3/4” 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	1.375 in / 34.925 mm
- Overall Length	7.95 in / 201.96 mm
- Shipping Weight	TBD
- Product Number	91002841
Connection:	
- Pin Connection	2-7/8” API Reg Pin
- Fishneck Diameter	3.75 in / 95.25 mm
- Fishneck Length	1.75 in / 44.45 mm
- Make-Up Length	4.5 in / 114.65 mm
- Make-Up Torque	3,700-4,900 ft-lbs

Cutting Structure:	
- Face Cutters	17 @ 13 mm PDC
- Back-Up Cutters	N/A
- Gage Cutters	3 @ 13 mm PDC
Hydraulics:	
- Nozzle Type	3 @ 22/32" Ports
- TFA	1.11 in^2
Recommended Operating Parameters:	
- Weight on Bit (WOB)	2,000-10,000 lbs
- Rotary Speed (RPM)	60-150 RPM

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