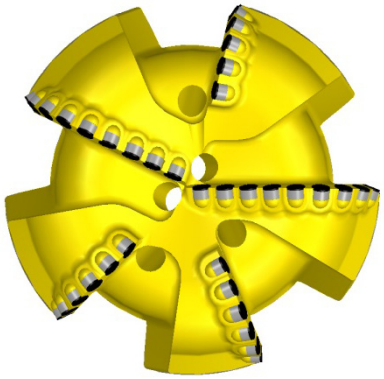
Secoroc Rotary Products

Dirt Digger PDC Bits

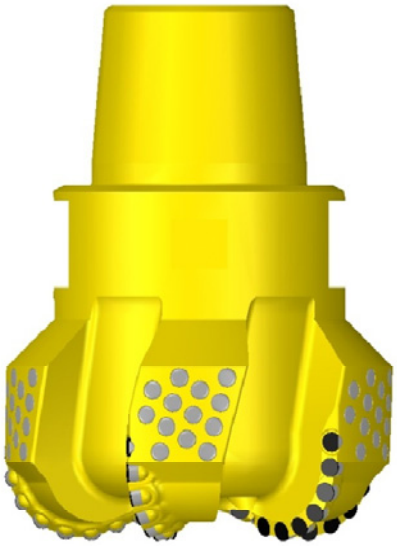


10-5/8” D513

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

Product Specifications:

General Data:

- Body Type	One-piece Steel
- Gage Length	2.625 in / 66.68 mm
- Overall Length	14.68 in / 372.87 mm
- Shipping Weight	TBD
- Product Number	91002873

Connection:

- Pin Connection	6-5/8” API Reg Pin
- Fishneck Diameter	8.0 in / 230.2 mm
- Fishneck Length	3.69 in / 93.7 mm
- Make-Up Length	9.74 in / 247.87 mm
- Make-Up Torque	38,600-51,500 ft-lbs

Cutting Structure:

- Face Cutters	34 @ 13 mm PDC
- Back-Up Cutters	N/A
- Gage Cutters	5 @ 13 mm PDC

Hydraulics:

- Nozzle Type	5 @ 26/32" Ports
- TFA	2.59 in^2

Recommended Operating Parameters:

- Weight on Bit (WOB)	4,000-20,000 lbs
- Rotary Speed (RPM)	60-150 RPM

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