



# PDC BITS

## DIRT DIGGER PDC BITS



# 9 7/8" KDC568DD

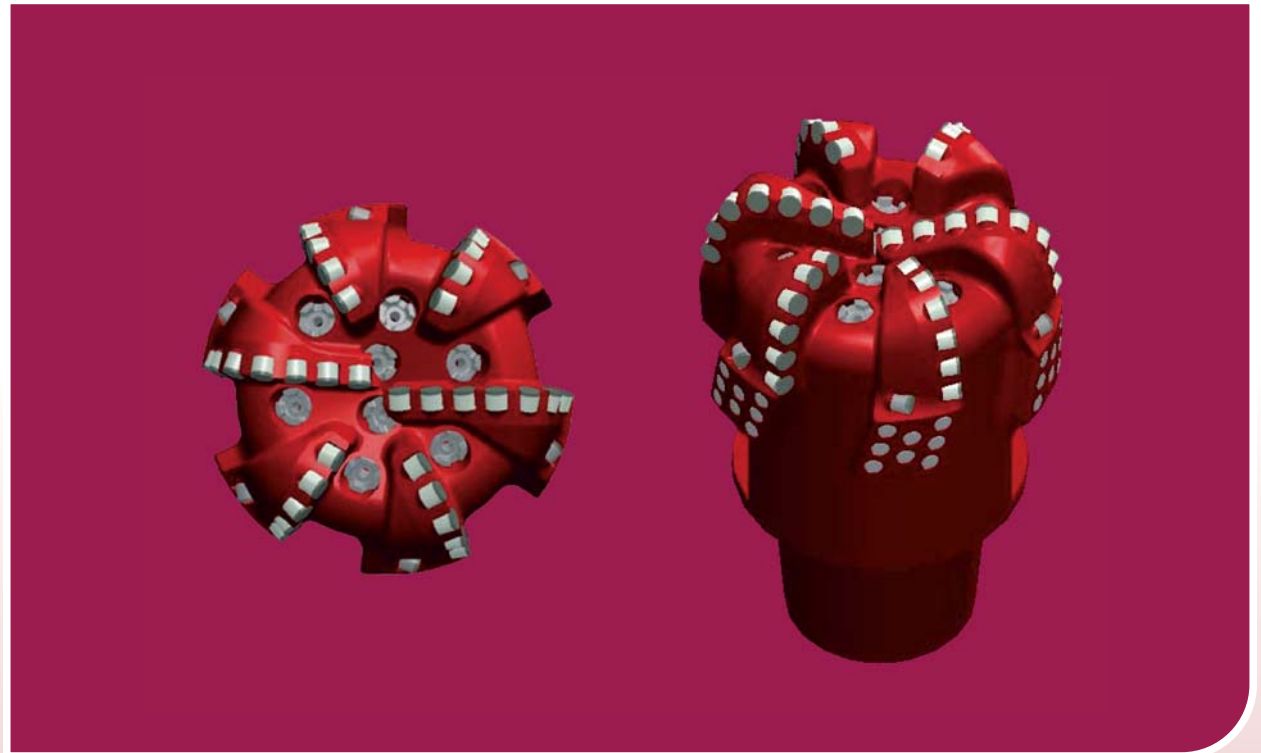
### Applications:

- 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.
- Tungsten Carbide hardfacing in critical areas for increased erosion and abrasion resistance.
- Force-Balanced PDC cutter locations minimize bit whirl and drill a precise round hole.
- Asymmetrical blade layout reduces drilling harmonics.
- Premium Grade PDC cutters.

Part Number .....	2009760
Body Type .....	One-piece 4140 Alloy Steel
Gage Length .....	2.13 in.
Overall Length .....	15.26 in.
Shipping Weight .....	TBD
Pin Connection .....	6-5/8" API Regular
Fishneck Diameter .....	8.00 in.
Fishneck Length .....	3.76 in.
Make-Up Length .....	10.32 in.
Make-Up Torque .....	38,000 to 41,800 ft-lbs
Face Cutters .....	37 @ 16mm PDC
Gage Cutters .....	6 @ 13mm PDC
Nozzle Type .....	8 @ LOP
TFA .....	0.61 in <sup>2</sup> to 2.45 in <sup>2</sup>
Weight on Bit (WOB) .....	5,000 to 25, 000 lbs.
Rotary Speed (RPM) .....	60 to 150 RPM



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