



PDC BITS

DIRT DIGGER PDC BITS



12 1/4" KDC455DD

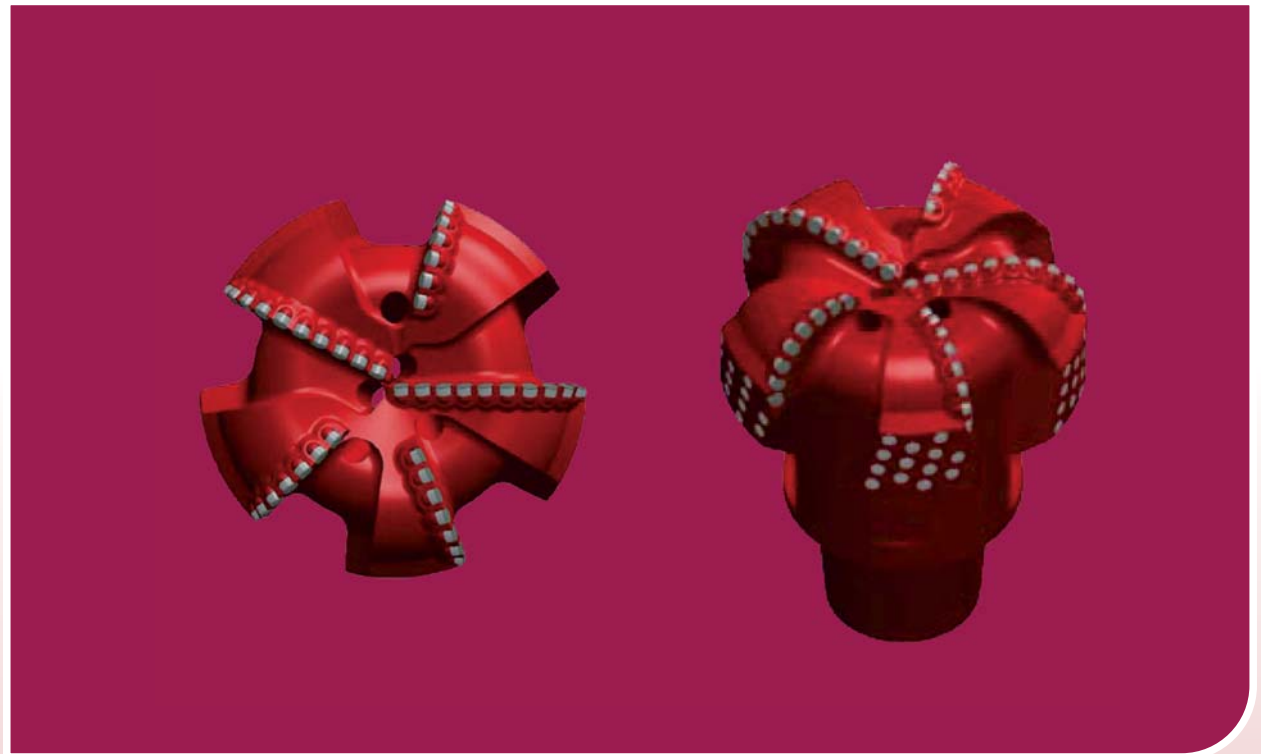
Applications:

- 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.
- Standard Grade PDC cutters.

Part Number	2008493
Gage Length	2.75 in.
Overall Length	16.09 in.
Box Dimensions	12 in. x 14 in. x 19 in.
Shipping Weight	255 lbs.
Pin Connection	6-5/8" API Regular
Fishneck Diameter	8.00 in.
Fishneck Length	3.82 in.
Make-Up Length	11.15 in.
Make-Up Torque	38,000 to 41,800 ft-lbs
Face Cutters	42 @ 13mm PDC
Gage Cutters	5 @ 13mm PDC
Nozzle Type	5 @ 7/8" fixed ports
TFA	3.01 in ²
Weight on Bit (WOB)	5,000 to 25, 000 lbs.
Rotary Speed (RPM)	60 to 150 RPM



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