



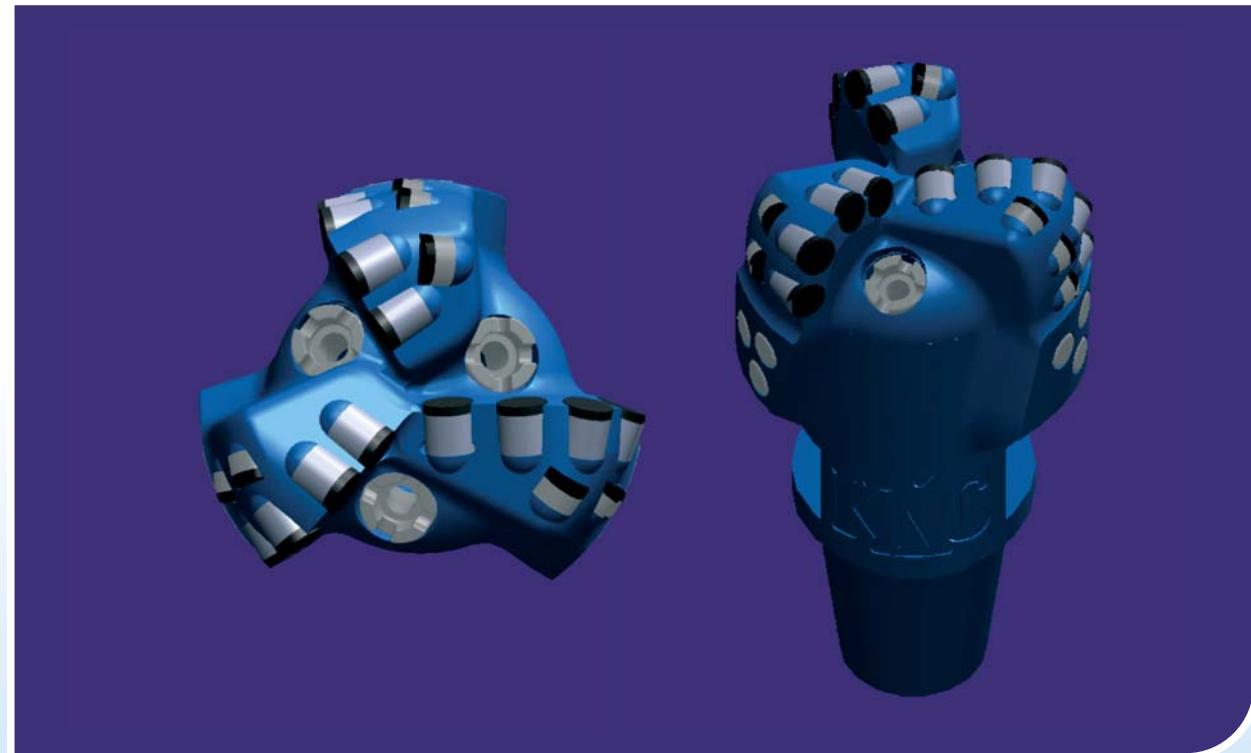
## PDC BITS

### DESIGN FEATURES:

- 3D designed 4140 alloy steel body CNC machined for maximum blade and body strength.
- Tungsten Carbide hardfacing in critical areas for increased erosion and abrasion resistance.
- TCI enhanced gage pads for increased protection.
- Optimized parabolic profile for blade count, cutter quantity and bit stability.
- Force-Balanced PDC cutter locations minimize bit whirl and drill a precise round hole.
- Asymmetric blade design reduces drilling harmonics.

Body Type .....One-piece 4140 Alloy Steel  
Gage Length .....1.750 in.  
Overall Length .....10.931 in.  
Shipping Weight .....TBD  
Pin Connection .....3-1/2" API Regular  
Fishneck Diameter .....4.750 in.  
Fishneck Length .....2.250 in.  
Make-Up Length .....7.181 in.  
Make-Up Torque .....7,700 to 8,600 ft/lbs  
Face Cutters .....18 @ 13mm PDC  
Back-Up Face Cutters .....12 @ 13mm PDC  
Nozzle Type .....3 @ MOP Nozzle  
TFA (min – max) .....0.23 in<sup>2</sup> to 0.59 in<sup>2</sup>  
Weight on Bit (WOB) .....3,000 to 15,000 lbs.  
Rotary Speed (RPM) .....60 to 150 RPM

# 161mm KDC313SX



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Member of the FSU investment group

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