



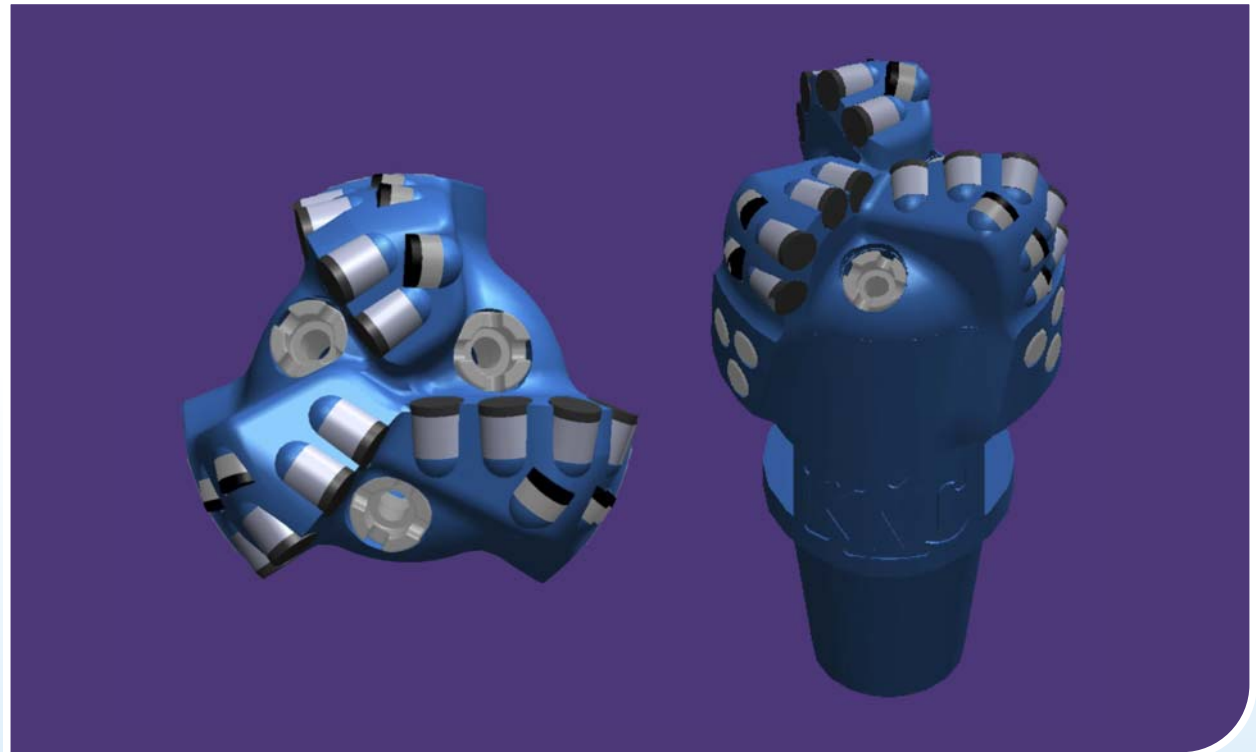
# PDC BITS

# 114mm KDC313SX

### 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 .....1.56 in.  
 Overall Length .....9.04 in.  
 Shipping Weight .....TBD  
 Pin Connection .....2-3/8" API Regular  
 Fishneck Diameter .....3.15 in.  
 Fishneck Length .....2.04 in.  
 Make-Up Length .....6.09 in.  
 Make-Up Torque .....2,400 to 2,700 ft/lbs  
 Face Cutters .....13 @ 13mm PDC  
 Back-Up Face Cutters .....8 @ 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) .....2,000 to 10,000 lbs.  
 Rotary Speed (RPM) .....60 to 250 RPM



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