



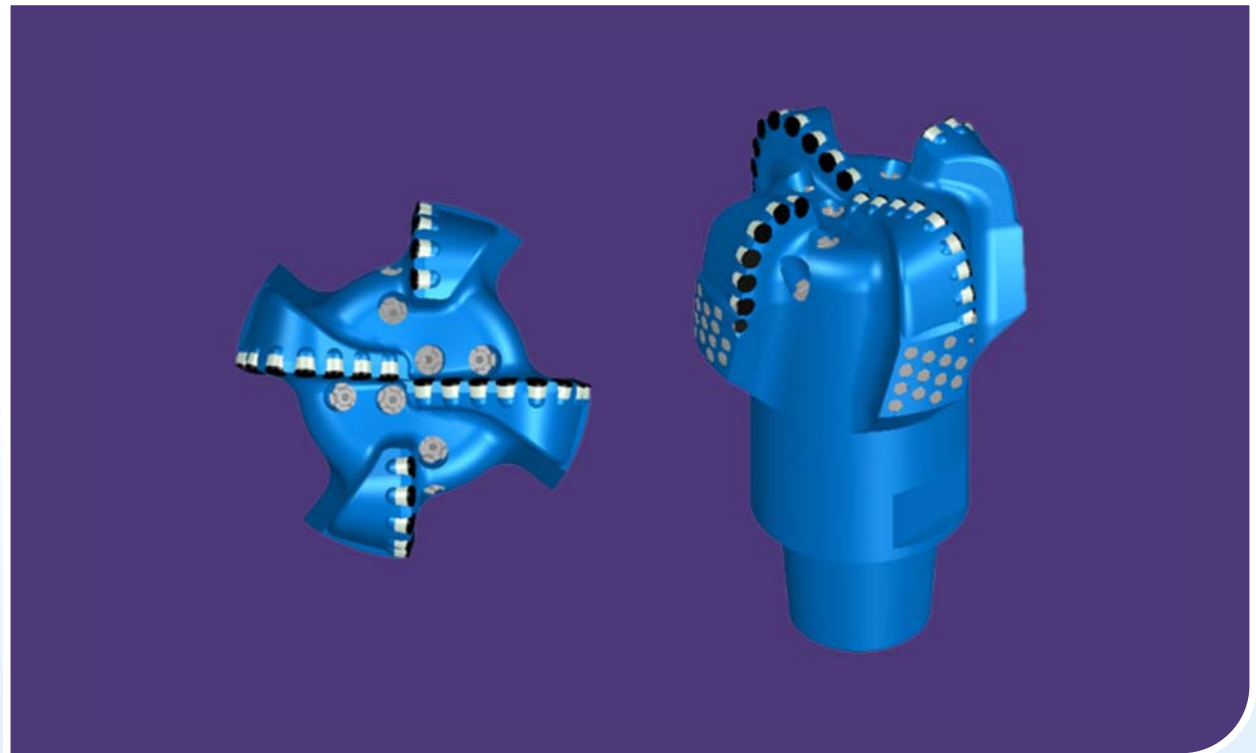
# PDC BITS

# 12 1/4" KDC648S

### 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 .....Two-piece 4140 Alloy Steel  
 Gage Length .....3.00 in.  
 Overall Length .....20.12 in.  
 Shipping Weight .....TBD  
 Pin Connection .....6-5/8" API Regular  
 Fishneck Diameter .....8.00 in.  
 Fishneck Length .....6.00 in.  
 Make-Up Length .....15.18 in.  
 Make-Up Torque .....38,000 to 41,800 ft/lbs  
 Face Cutters .....28 @ 19mm PDC  
 Back-Up Cutters .....n/a  
 Gage Cutters .....4 @ 13mm PDC  
 Nozzle Type .....8 @ LOP Nozzle  
 TFA (min – max) .....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 250 RPM



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