



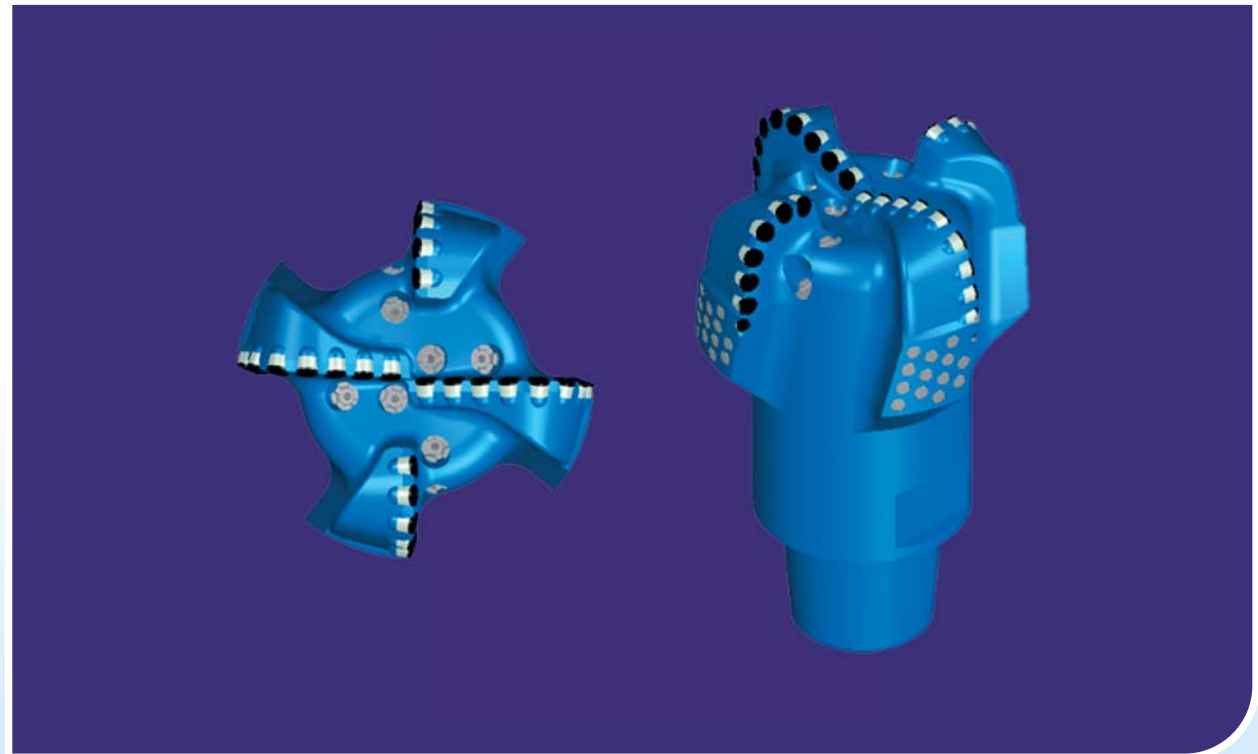
PDC BITS

8 1/2" 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 TypeTwo-piece 4140 Alloy Steel
Gage Length1.25 in.
Overall Length15.67 in.
Shipping WeightTBD
Pin Connection4-1/2" API Regular
Fishneck Diameter5.75 in.
Fishneck Length4.84 in.
Make-Up Length11.48 in.
Make-Up Torque16,500 to 18,100 ft/lbs
Face Cutters25 @ 19mm PDC
Back-Up Cuttersn/a
Gage Cutters4 @ 13mm PDC
Nozzle Type8 @ LOP Nozzle
TFA (min – max)0.61 in² to 2.45 in²
Weight on Bit (WOB)5,000 to 25,000 lbs.
Rotary Speed (RPM)60 to 250 RPM



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Member of the FSU investment group

OFFICE IN THE NETHERLANDS

Laan 1933 # 37, 6711 NX EDE
Phone: +31 (318) 504499
Fax: +31 (318) 614752

OFFICE IN KAZAKHSTAN:

Office 304, Kurmangazy St. 48a
Almaty, Kazakhstan
Tel./fax: +7 (727) 261 38 58
E-mail: bits@kazduco.com