



# PDC BITS

# 12 1/4" KDC568MX

### DESIGN FEATURES:

- Cast Infiltrated Tungsten Carbide matrix shell for maximum erosion and abrasion resistance.
- 3D designed and CNC machined internal steel blank for maximum blade and body strength.
- TSP Diamond enhanced gage pads for maximum 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 .....	Matrix Body
Gage Length .....	2.50 in.
Overall Length .....	19.50 in.
Shipping Weight .....	TBD
Pin Connection .....	6-5/8" API Regular
Fishneck Diameter .....	8.00 in.
Fishneck Length .....	6.49 in.
Make-Up Length .....	14.50 in.
Make-Up Torque .....	38,000 to 41,800 ft/lbs
Face Cutters .....	47 @ 16mm PDC
Back-Up Cutters .....	36 @ (13mm)
Gage Cutters .....	12 @ 13mm
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 150 RPM



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