

Secoroc Rotary Products

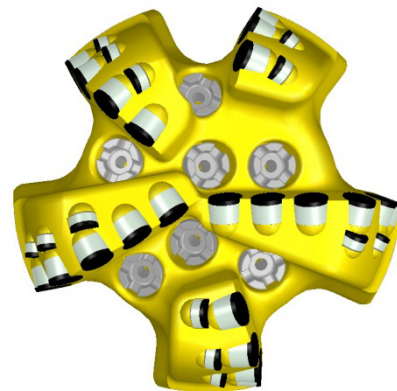
Matrix Body PDC Bits

8-1/2" M519X

Adding value through performance

Design Features:

- Cutters are strategically placed in 3D spatial coordinates for maximum work rate efficiency, minimum cutter wear and maximum penetration rate
- 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 gage 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
- Asymmetrical blade design reduces drilling harmonics



Product Specifications:

General Data:

- Body Type	Tungsten Carbide Matrix
- Gage Length	1.30 in / 33.02 mm
- Overall Length	13.98 in / 355.1 mm
- Shipping Weight	98 lbs / 44.5 kgs
- Product Number	TBD

Connection:

- Pin Connection	4-1/2" API Reg Pin
- Fishneck Diameter	5.75 in / 146.05 mm
- Fishneck Length	3.72 in / 94.49 mm
- Make-Up Length	9.79 in / 248.67 mm
- Make-Up Torque	14,600-19,200 ft-lbs

Cutting Structure:

- Face Cutters	20 @ 19 mm PDC
- Back-Up Cutters	13 @ 16 mm PDC
- Gage Cutters	5 @ 19 mm PDC

Hydraulics:

- Nozzle Type	7 @ MOP Nozzle
- TFA	0.54 in ² to 2.15 in ²

Recommended Operating Parameters:

- Weight on Bit (WOB)	4,000-20,000 lbs
- Rotary Speed (RPM)	60-150 RPM