



Product Data Sheet

7-7/8" M555



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.**

General Data

Part Number	2009803
Body Type	Matrix Body
Gage Length	1.13 in.
Overall Length	14.19 in.
Shipping Weight	TBD

Connection

Pin Connection	4-1/2" API Regular
Fishneck Diameter	5.75 in.
Fishneck Length	4.95 in.
Make-Up Length	10.00 in.
Make-Up Torque	16,500 to 18,100 ft/lbs

Cutting Structure

Face Cutters	25 @ 16mm PDC
Back-Up Cutters	n/a
Gage Cutters	5 @ 13mm PDC

Hydraulics

Nozzle Type	5 @ LOP Nozzle
TFA (min - max)	0.54 in ² to 2.15 in ²

Recommended Operating Parameters

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