



Product Data Sheet

13-1/2" RMB S557

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.**



General Data

Part Number	2010874
Body Type	Two-piece 4140 Alloy Steel
Gage Length	2.60 in.
Overall Length	20.80 in.
Shipping Weight	TBD

Connection

Pin Connection	6-5/8" API Regular
Fishneck Diameter	8.00 in.
Fishneck Length	5.75 in.
Make-Up Length	15.86 in.
Make-Up Torque	38,000 to 41,800 ft/lbs

Cutting Structure

Face Cutters	50 @ 16mm PDC
Back-Up Cutters	15 @ 13mm Dome TCI
Gage Cutters	5 @ 13mm PDC

Hydraulics

Nozzle Type	7 @ LOP Nozzle
TFA (min – max)	0.54 in ² to 2.15 in ²

Recommended Operating Parameters

Weight on Bit (WOB)	5,000 to 30,000 lbs.
Rotary Speed (RPM)	60 to 150 RPM
