



Product Data Sheet

8-3/4" M557X

Matrix Bit Body Material:

- Cast infiltrated Tungsten Carbide matrix shell for maximum erosion and abrasion resistance.
- Internal steel blank is extensively machined for maximum blade and body strength.
- Gage Pads have TSP's for maximum protection.

Parabolic Profile:

- Increased stability due to internal cone and multiple radii outer shoulder.
- Maximum cutter distribution is achieved across nose and shoulder of profile.

Asymmetric Force Balance Design:

- Cutter layout is force balanced to drill a precise round hole and reduce bit whirl.
- Cutter blades are asymmetric (not evenly spaced) due to force balance.



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|-----------------------|---|
| Bit Body Material | TC Matrix |
| Gage Type | TSP |
| Face PDC Cutters | 30 @ 5/8" (16 mm) |
| Back-Up PDC Cutters | 10 @ 1/2" (13 mm) |
| Gage PDC Cutters | 5 @ 1/2" (13 mm) |
| Number of Fluid Ports | 7 @ LOP Nozzles |
| TFA (min – max) | 0.54 in ² - 2.15 in ² |
| Gage Length | 1.25 in. |
| Fishing Neck O. D. | 5.75 in. |
| Fishing Neck Length | 4.95 in. |
| Make-Up Length | 11.58 in. |
| Overall Length | 15.77 in. |
| Pin Connection | 4-1/2" API Regular |

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