



Product Data Sheet

8-3/4" M488

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.



Bit Body Material	TC Matrix
Gage Type	TSP
Face PDC Cutters	45 @ 1/2" (13 mm)
Back-Up PDC Cutters	n/a
Gage PDC Cutters	8 @ 1/2" (13 mm)
Number of Fluid Ports	8 @ LOP Nozzles
TFA (min – max)	0.61 in ² - 2.45 in ²
Gage Length	1.50 in.
Fishing Neck O. D.	5.75 in.
Fishing Neck Length	4.95 in.
Make-Up Length	10.60 in.
Overall Length	14.80 in.
Pin Connection	4-1/2" API Regular