



Rocky Mountain Bit

Product Data Sheet

11" RMB S568X

Steel Bit Body Material:

- Extended blade height for softer formations.
- Carbide hardfacing for abrasion and erosion resistance.
- Excellent strength and ductility.
- Reduced vibration and shock.
- Increased PDC cutter life.

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 | 4140 Alloy Steel |
| Gage Type | TC Inserts |
| Face PDC Cutters | 41 @ 5/8" (16 mm) |
| Back-Up PDC Cutters | 18 @ 1/2" (13 mm) |
| Gage PDC Cutters | 6 @ 1/2" (13 mm) |
| Number of Fluid Ports | 8 @ LOP Nozzles |
| TFA (min - max) | 0.61 in ² - 2.45 in ² |
| Gage Length | 2.84 in. |
| Fishing Neck O. D. | 8.00 in. |
| Fishing Neck Length | 5.91 in. |
| Make-Up Length | 13.65 in. |
| Overall Length | 18.58 in. |
| Pin Connection | 6-5/8" API Regular |