



Product Data Sheet

14-3/4" S679X

❖ 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 Hardface
Face PDC Cutters	55 @ 3/4" (19 mm)
Back-Up PDC Cutters	28 @ 5/8" (16 mm)
Gage PDC Cutters	7 @ 1/2" (13 mm)
Number of Fluid Ports	9 @ LOP Nozzles
TFA (min – max)	0.69 in ² - 2.76 in ²
Gage Length	2.50 in.
Fishing Neck O. D.	11.50 in.
Fishing Neck Length	8.43 in.
Make-Up Length	16.45 in.
Overall Length	21.64 in.
Pin Connection	7-5/8" API Regular

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