



**7 7/8" Hart5197**  
**IADC: S912**

*technical specifications*



*features*

- Short, one piece
- Nonsymmetrical blade layout
- Balanced
- 16mm gage backup
- Backup tracks main cutters
- Counter-clockwise spiral layout

*design specifications*

Total Cutters	36
No. primary 19mm cutters	24
No 16 mm backup cutters	12
No. gage cutters	14
No. nozzles	7
No. fixed nozzles	2 (Center)
No. variable nozzles	5
Junk slot area	14.2 in <sup>2</sup>
Gage length	2.0"
Gauge protection	Fused carbide and diamond
Make up length	7.810"
Overall length	12.063"
Tracking cutters	12
API Pin connection	4 1/2" Reg.

*operating parameters*

Rotary speed	Rotary or PDM
Weight on bit	3000 to 25000
Flow rate	200 to 500 GPM
Make up torque	12000 to 15000 ft.#