



Directional

7-7/8" Hart5167

technical specifications



features

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

design specifications

Total Cutters	43
No. primary 16mm cutters	27
No. 16 mm backup cutters	16
No. gage cutters 16mm	12
No. Nozzles	7
No. fixed nozzles	1
No. variable nozzles	6
Junk slot area	14.2 in. ²
Gage length	2.0"
Gage protection	Fused carbide and diamond
Make up length	7.810"
Overall length	12.063"
Tracking cutters	16
API Pin connection	4½" Reg.

operating parameters

Rotary speed	Rotary or PDM
Weight on bit	3000 to 20,000#
Flow rate	200 to 500 GPM
Makeup Torque	12,000 to 15,000 ft #