



7-7/8" Hart5137

technical specifications



features

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

design specifications

Total Cutters	53
No. primary 13mm cutters	32
No. 13mm backup cutters	21
No. gage cutters 13mm	16
No. Nozzles	7
No. fixed nozzles	2
No. variable nozzles	5
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 #