



*Directional  
6" H4165*

*technical specifications*



*features*

- Short, one piece
- Nonsymmetrical blade layout

*operating parameters*

Rotary speed	Rotary or PDM
Weight on bit	3000 to 25000
Flow rate	150 to 300 GPM

*design specifications*

Total Cutters	18
Face cutters	12
Backup Cutters	6
No. gage cutters	4
No. Nozzles	5
Junk slot area	13.55
Gage length	1.0"
Gage protection	Fused carbide and diamond
Make up length	5"
Overall length	9.0"
API Pin connection	3/2" Reg.