

TECHNICAL DATA SHEET

INTEGRAL BLADE PDC HOLE OPENER

TECHNICAL SUMMARY

The integral blade PDC hole opener is used for enlarging and conditioning the well bore. The PDC hole opener is suitable for soft to medium hard formations. The spiral design provides increased stabilization throughout the well bore reducing excessive torque. The hole opener can be ran with a pilot bit, bull nose, or as a string reamer.

FEATURES

- Machined from single piece AISI 4140HT/4145HT material for exceptional strength
- 3 blade design reduces excessive surface area engaging the well bore while maintaining stabilization
- Premium PDC inserts with 1018 hard metal on gauge crown
- PDC placement spaced to efficiently ream the hole and avoid tracking
- Jet nozzles directed at cutting structure efficiently clean the hole while cooling cutting structure
- Backreaming capability
- Harder formations can be accommodated with additional diamond impregnation

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TECHNICAL SPECIFICATIONS AND OPERATING PARAMETERS

Size Range (in)	Pilot Hole Size (in)	Connection Up	Connection Down	Standard Insert Size (mm)
5-7/8—6-1/2	4-1/2	3-1/2" IF	3-1/2" IF	13
7 – 8-1/2	4-3/4	3-1/2" IF	3-1/2" IF	13
9-7/8 - 10-1/4	8-1/2	6-5/8" Reg	4-1/2" Reg	13
12-1/4	8-1/2	6-5/8" Reg	4-1/2" Reg	13
14-3/4—15	10-5/8	6-5/8" Reg	6-5/8" Reg	16
17-1/2	12-1/4	6-5/8" or 7-5/8" Reg	6-5/8" or 7-5/8" Reg	16
18-1/8	13-1/2	6-5/8" or 7-5/8" Reg	6-5/8" or 7-5/8" Reg	16
20	14-3/4	6-5/8" or 7-5/8" Reg	6-5/8" or 7-5/8" Reg	19
22	14-3/4	7-5/8" Reg	7-5/8" Reg	19
26	14-3/4	7-5/8" Reg	7-5/8" Reg	19

Note: Number of PDC inserts may vary on insert size and pilot hole requirements.
Connections may be customized upon request.