



HOLE OPENER

THE HOLE OPENER IS DESIGNED FOR USE ON SOFT TO MEDIUM-HARD FORMATIONS, SOFT CLAYS AND SHALES AND MEDIUM LIMESTONE. THE TOOL IS PARTICULARLY EFFECTIVE IN STICKY FORMATIONS WHERE BALLING PROBLEMS ARE ENCOUNTERED.

THE HOLE OPENER FEATURED DEMOUNTABLE CUTTERS WHICH ARE EASILY REPLACED ON THE RIG FLOOR.

ALL HOLE OPENERS FEATURE JETS WITH REPLACEABLE DIFFUSER NOZZLES BEHIND EACH CUTTER TO CLEAN CUTTERS, PREVENT BALLING AND ASSURE FAST PENETRATION.

ON SIZES 17-1/2" AND LARGER, THERE ARE THREE ADDITIONAL JETS WITH REPLACEABLE NOZZLES TO ASSURE EFFECTIVE HOLE CLEANING.

Std. Opening Dia.	Pilot Hole Dia. (Min.)	Fishing Neck			Bottom Neck			Overall Length	Weight with Cutters Lbs. (Approx.)	Weight Cutters Per Set Lbs. Approx.	*Std. Bore
		Length	Dia.	Top Pin. Conn. API Reg.	Length	Dia.	Bottom Box Conn. API Reg.				
7 7/8	5 3/8	24	5 3/4	4 1/2	30	5	3 1/2	73	460	11	1
8 1/2 8 3/4	6 1/8	24	5 3/4	4 1/2	12	5 1/8	3 1/2	55	380	17	1
9 1/2 9 7/8	6 1/4	24	7 3/4	6 5/8	12	5 1/4	4 1/2	59	685	23	1
12 1/4	8 1/2	24	8	6 5/8	12	5 3/4	6 5/8	61	750	48	1 1/2
14 3/4 15	9 7/8	24	8	6 5/8	12	8	6 5/8	68	930	68	1 1/2
17 1/2	9 7/8	24	8	6 5/8	12	8	6 5/8	68	1000	108	1 1/2
20	12 1/4	30	8	6 5/8	12	8	6 5/8	68	1200	108	1 1/2
22	12 1/4	30	8 - 9	6 5/8 7 5/8	12	8	6 5/8	70	1800	240	1 1/2
24	14 3/4	30	8 - 9	6 5/8 7 5/8	12	9	7 5/8	70	1850	240	1 1/2
26	14 3/4	30	8 - 9	6 5/8 7 5/8	12	9	7 5/8	70	1900	240	1 1/2
36	17 1/2	30	9	6 5/8 7 5/8	12	9	7 5/8	84	3400	320	2 1/4