

ROCK TYPE UNDERREAMER

ROCK TYPE UNDERREAMERS ARE USED TO ENLARGE SECTIONS OF THE HOLE BELOW THE SURFACE. UNDERREAMER IS A RUGGED HYDRAULICALLY ACTUATED TOOL USED TO PROVIDE CLEARANCE FOR RUNNING CASING, OBTAINING SUITABLE ANNULAR SPACE FOR CEMENTING, ENLARGING SECTIONS FOR GRAVEL PACKING, OR FOR OTHER DOWNHOLE OPERATIONS DURING DRILLING OR PRODUCTION PROCEDURES. SINCE THE RUGGED DESIGN OF THE TOOL ALLOWS FOR LARGER CONES AND BEARINGS TO BE USED, MORE PENETRATION CAN BE OBTAINED. MEDIUM HARD FORMATION CONES ARE STANDARD, BUT OTHER CONES ARE AVAILABLE FROM HARD TO SOFT FORMATION. A POSITION STOP ASSURES TRUE GAUGE DIAMETER. FLOW THROUGH THE TOOL IS REGULATED BY A TUNGSTEN CARBIDE ORIFICE. BY USING THIS ORIFICE, A WIDE SELECTION OF SIZES ARE AVAILABLE THAT WILL MEET ANY MUD PUMP REQUIREMENTS.



SPECIFICATIONS

<u>TOOL O.D.</u>	<u>OPERATING RG.</u>	<u>PIN CONN.</u>	<u>WT./LB.</u>
3-3/4"	4-1/2" - 6-1/4"	2-3/8" REG.	150
4-1/2"	4-3/4" - 9"	2-7/8" REG.	200
5-3/4"	6-1/2" - 13"	3-1/2" REG.	360
8-1/4"	11-1/2" - 17"	6-5/8" REG.	810
9-1/2"	13" - 18"	6-5/8" REG.	1175
11-3/4"	14-3/4" - 22"	6-5/8" REG.	1725
14-3/4"	17-1/2" - 30"	6-5/8" REG.	2600