

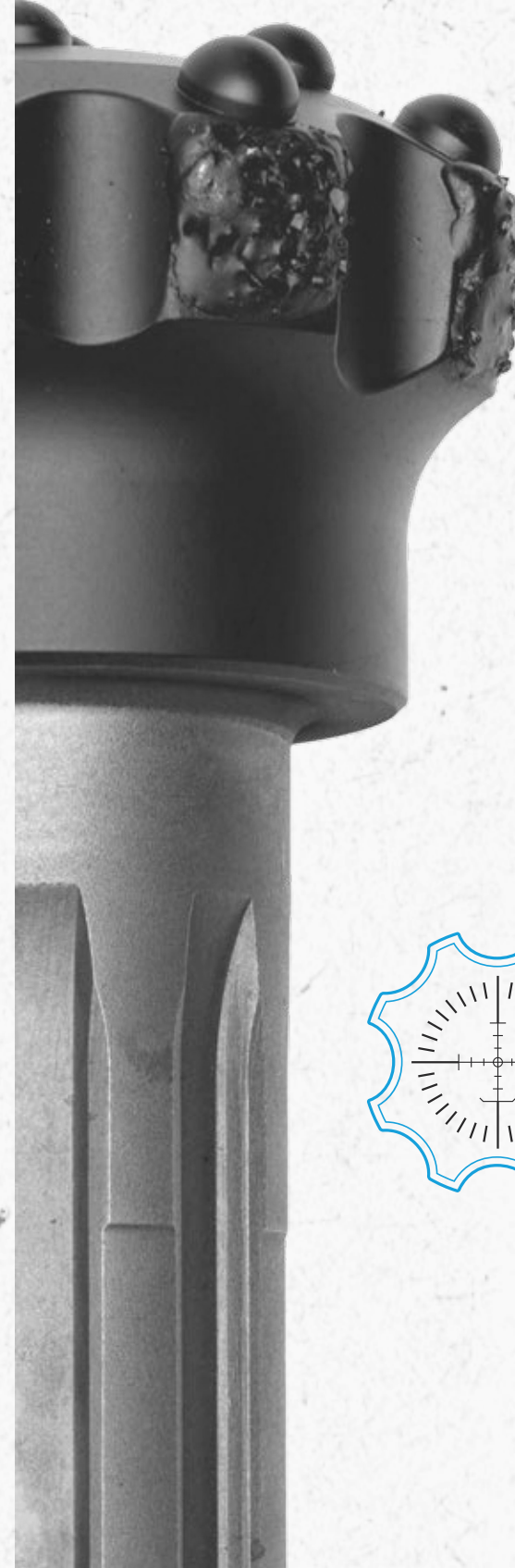
A REVOLUTION IN ROCK DRILLING



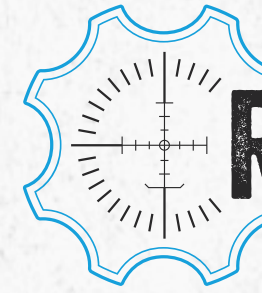
ROCKEYE SYSTEM SPECIFICATIONS

	AH3.0 ROCKEYE	AH4.0 ROCKEYE	AH5.0 ROCKEYE	AH6.0 ROCKEYE
HAMMER BODY DIAMETER	3.100"	3.625"	4.600"	5.500"
PISTON WEIGHT	11.7 lbs.	20.0 lbs.	30.0 lbs.	43.0 lbs.
STANDARD BIT	4.250"	4.750"	5.750"	7.000"
OPTIONAL BIT	n/a	5.125"	6.000"	7.500"
MINIMUM RECOMMENDED COMPRESSOR SUPPLY *	375-cfm/150-psi	400-cfm/200-psi	700-cfm/300-psi	900-cfm/350-psi
RECOMMENDED DRILL PIPE TOOL JOINT DIAMETER	max 2.75"	max 3.25"	max 4.125"	max 6.00"
MAXIMUM RECOMMENDED TOOL JOINT DIAMETER	2.750"	3.250"	4.125"	5.750"
TYPICAL DRILL RIG THRUST/PULL	10,000 lbs. to 30,000 lbs.	10,000 lbs. to 33,000 lbs.	24,000 lbs. to 80,000 lbs.	50,000 lbs. to 120,000 lbs.

* Call for more discussion on compressor specifications - air compressor is not supplied with the AH system



SOURCE: HDD
STRAIGHTLINE
PROFESSIONAL DRILLING SOLUTIONS



ROCKEYE
HAMMER SYSTEM

**PRECISE
VERSATILE
DURABLE**

TOLL FREE 800.654.3484
PHONE 620.802.0200
INTERNATIONAL 620.802.0200

1816 E. WASP RD.
HUTCHINSON, KS 67501 U.S.A

THE MOST VERSATILE ROCK TOOL YOU CAN OWN:

The RockEye Air Hammer System has proven to be the most versatile boring tool in the industry, delivering incredible success in a wide variety of ground conditions. The StraightLine® RockEye Air Hammer System easily negotiates its way through any soil conditions, including the hardest rock Mother Nature has to offer.

MINIMIZE YOUR ENVIRONMENTAL FOOTPRINT WHILE MAXIMIZING YOUR PROFITABILITY:

Unlike many drilling methods that require a significant amount of drilling fluid, the RockEye Air Hammer Systems typically use between 0.5 and 3 gallons of water per minute, resulting in less environmental impact and dramatically cleaner job sites.

HOW DOES THE ROCKEYE STEER?

The convex side of the bent sub, working in conjunction with the attached bit, creates a precision two-point steering system. To steer the hammer it is rotated between two clock positions, as the assembly advances it reacts off of the front and rear steering points.

CAN I STEER IN NON-ROCK CONDITIONS?

Yes. The procedure to steer in a compactible soil is exactly the same as steering in rock

CAN I USE A HAMMER ON ANY DRILL RIG?

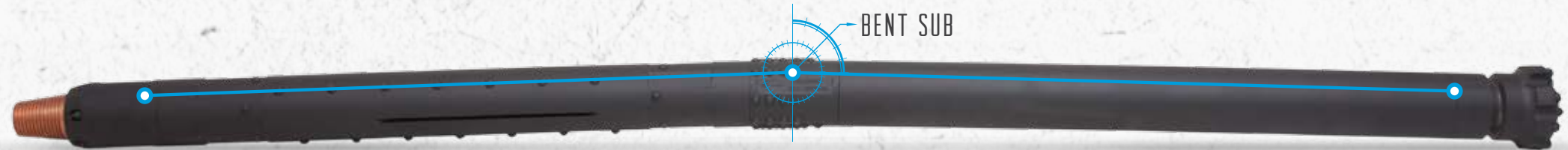
Yes. The RockEye will turn any drill into a rock drill. It is as simple as connecting the air on the high pressure side of the mud pump to provide a path for the air supply to be directed into the drill rigs drilling fluid course . The initial installation of the system takes approximately 30-minutes.

CAN MY TRANSMITTER SURVIVE THE POUNDING ACTION?

The transmitter/beacon is placed in a sleeve-within-a-sleeve system. StraightLine® has perfected a dampening system that virtually removes all shock from the transmitter.

IS ANY SPECIAL MAINTENANCE REQUIRED?

The hammer must always be operated in conjunction with the support pack to prevent internal damage of the hammer. As long as this is done, very little maintenance is required. It is always recommended that you oil the hammer after each use to prevent internal corrosion and possible seizure. The hammer is completely field serviceable.



ROCKEYE DOWN HOLE ASSEMBLY

The RockEye down hole assembly includes the bit, hammer body, bent sub, transmitter housing with shock dampening system and the tail piece. The RockEye's precision steering is accomplished by our two point steering system. The bent sub and the toe of the bit are the essential pieces in the steering system. The hammer is rotated between two clock positions, the steering takes place by reacting off of the front and rear steering points. The RockEye transmitter housing and bent sub is protected by carbide, this protection insures long service life and allows us to offer the only wear guarantee in the industry.



ROCKEYE SUPPORT PACK

The RockEye support pack is central to the operation of the hammer system. The support pack provides the required lubrication and fluid to the down hole hammer. This is accomplished with a positive displacement piston pump. The oil pump is adjustable so the operator can control the amount of lubrication being provided to the hammer. The fluid that is needed for the drilling operation is provided by a 5 GPM on board water pump. This system is controlled with a wireless remote or also can be controlled from the console of the support pack.

ROCKEYE 250 GALLON TANK

Due to the minimal amount of drilling fluids that are needed in the hammer operations, the 250 gallon tank is the optimum size. This tank allows for small batches of foam or polymers to be mixed for a full days worth of drilling.



The production and control were both better than expected. I was very impressed with the hammer. This bore went without a hitch. I can not imagine why anybody facing rock conditions wouldn't own a RockEye Air Hammer System.

DUSTIN WALKER | W&W UTILITY CONSTRUCTION



Versatility is really the key to the hammer's success. This tool is simply at home in a variety of rock and soil conditions. The RockEye Hammer Systems that we build are designed to turn any rig into a rock-drilling machine.

JOE PHILLIPS | STRAIGHTLINE® HDD, INC.



THE COMPLETE ASSEMBLY INCLUDES:

2-Bits, Air Hammer, Bent Sub, Transmitter Housing, Shock Dampening Transmitter Assembly, Portable Break Out Kit & Drill Pipe Adapter.