



► [RCDHB] Features

- Precision hardened keys are lighter weight and facilitate short shank lengths
- Shank design gives highest Piston-to-Bit weight ratio—maximizing button face energy
- Airflow channel design and control minimizes Bit face plugging and eliminates unwanted pressurization of surrounding formations
- Custom and standard sizes up to 43" diameter

■ REVERSE CIRCULATION DOWN HOLE BITS [RCDHB]

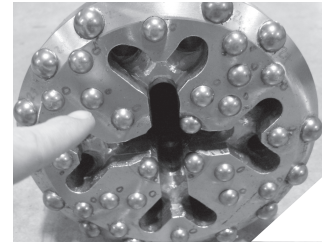
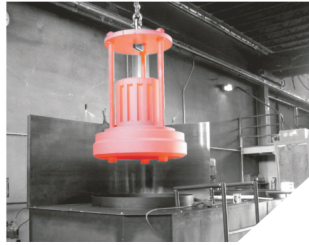
Holte Reverse Circulation Bits Offer Control

Thanks to Holte's long history with drilling, we understand bits and the importance of having a durable, effective, design leading your tooling down the hole. Art Holte invented the key drive system so our complete line of reverse circulation bits can be changed quickly with hand tools.

Precision, hardened, keys are the core of our key drive system, taking the place of traditional splines. They allow shorter shank length and lighter weight bits with very high piston-to-bit weight ratios. Delivering maximum energy to the button face means the drill is bringing rock chips to the surface, not wasting time making dust.

Tapered airflow channels reduce the chance of bit face plugging to ensure the hammer keeps running in all types of conditions. Careful control of airflow better directs air to the center of the bit face, helping to eliminate the unwanted pressurization of surrounding formations—making drilling in sensitive sites less risky.

Holte RC bits are available in a variety of shank styles which include an innovative two piece design utilizing tungsten carbide or optional diamond buttons for the ultimate in durability. Sizes range up to 43" (1092mm), but our flexible design, manufacturing and heat treatment process is capable of adapting to meet your needs if another size better suits the job. RC under-reamer bits are also available.



REVERSE CIRCULATION SOLUTION COMBINATIONS

RC

HOLTE [RCDHH]	HOLTE [RCDHB]	HOLTE [RCPIPE]
RC10	10" - 14"	7" x 3.8"
RC14	14" - 18"	7" x 3.8" or 8.625" x 4.90"
RC20	18" - 25"	8.625" x 4.90" or 10.75" x 6.25"
RC24	24" - 36"	10.75" x 6.25" or 13.625" x 7.80"

*Specifications may change without notice. Additional sizes and combinations can be customized.

During Ocean floor drilling in South Africa, the driller had to change bits every 1-2 holes, spending half their time changing bits. HOLTE convinced them to switch to diamond buttons and they finished the next 18 holes with a single bit (and could have kept going)! Common in oil drilling, diamond buttons sell less bits, but they last longer and more than pay for themselves by keeping your bits sharp and your team drilling.

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Photo previous page: 42" Bit on RC30 in Page AZ, Glen Canyon Dam. Photos left to right. Top: a) RC30 in Karratha Western Australia. b) Bit just out of heat treat (true color glow). c) 7" RC Bit. Bottom: d) Reassembling the Hammer in Australia. e) Machining Keyslots in the Bit (true color cutting fluid).

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