



- ▶ Top Head Drive Features
- ▶ Reverse Circulation ready Top Head Drives
- ▶ RC exhaust through the center of the Top Head permits max drill pipe length and passes larger cuttings
- ▶ Less tool wear means less replacement than a side discharge swivel
- ▶ Compact 3000 series Top Head or versatile and powerful 6000 series Top Head

TOP HEAD DRIVES

Rotary Drives Designed for Reverse Circulation

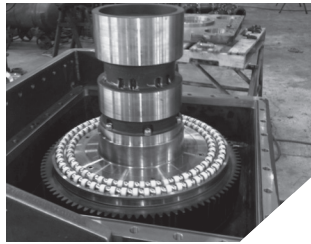
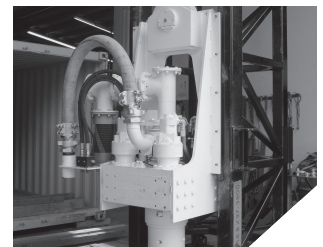
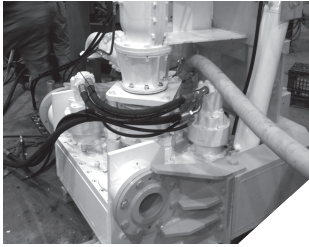
Holte manufacturing began making Top Heads 25 years ago when it became clear that existing products on the market were not meeting the needs for RC drilling. Holte started machining gears and the RC Top Head Drive was born.

Over the last quarter century, our design has matured to be durable, dependable, and straightforward for easy maintenance. Top Heads are customizable for reverse circulation, grout through systems, tilting heads, and more.

Powerful Top Drives in Two Sizes

The 6000 series has a torque rating of up to 84,000 ft/lbs continuous, and 100,000 ft/lbs intermittent. The 6000 can run hammer sizes from 10" - 40" and multi hammer drills up to 60".

The compact, yet powerful, 3000 series fits into the mast of smaller drill rigs. The 3000 features a continuous torque rating of 18,000 ft/lbs with intermittent operation up to 28,000 ft/lbs.



Gearbox

- ▶ Hydraulic Motors
- ▶ Built in Air Inlet Swivel
- ▶ Cuttings Discharge with replaceable wear seals
- ▶ Continuous Internal Oiler
- ▶ Bulkhead with hydraulic and air connections
- ▶ Provisions For Tilt Addition Upgrade
- ▶ Provisions For Casing Driver Mount Upgrade
- ▶ Slow rotation speeds for large diameters

Options

- ▶ Housing or Mast Slide
- ▶ Cuttings Discharge Auto Disconnect (for Tilt)
- ▶ Two Tilt Cylinders (with leveling stops; 90°)
- ▶ Bulkhead (slide-mounted with connections)
- ▶ Grout Through System
- ▶ Casing Driver Mount

REVERSE CIRCULATION ROTARY TOP HEAD DRIVES						RC
	Gear Box (L X W X H)	Torque-3 motors (ft/lbs)	Torque-4 motors (ft/lbs)	Center Hole Diameter	RPM Range	Diameter Range
3000	25.3" X 25.3" X 13"	n/a	18,000	6"	2-30	0"-30"
6000	32" X 34.9" X 13.6"	42,000	84,000	7.8"	0.16-15	10"-40"/60"

Specifications subject to change without notice. The 6000 drive can be adapted to casings down to 6" diameter using a sleeve.

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Photo previous page: Bridge piling being drilled and filled for a raised highway from Oslo to Bergen. Photos left to right: Top: a) 6000 series Top Head being assembled in the fab shop. b) Top Head with tilt being used in the French Alps to extend a ski lift. c) 6000 series on crane leads. Bottom: d) Drive gearshaft extension with bearings. e) Top Head Gears machined and heat treated in-house.

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