



- ▶ RC Drill Pipe Features
- ▶ Dual wall—air travels through the annulus & tooljoints
- ▶ Cuttings exhaust through the center
- ▶ Quick release hex joint pipe or tapered threads speed up assembly/disassembly
- ▶ Hex Drive joints require less tools and allow bidirectional rotation
- ▶ Steel formulated, heat-treated, torqued, and welded for maximum strength

■ REVERSE CIRCULATION DRILL PIPE

Field Proven Around the Globe

As an early proponent of RC drilling, Holte has remained dedicated to developing new ways to continually improve RC pipe design and manufacturing techniques. Holte produces traditional threaded and Hex Drive joints. We developed the original patent for Dual Wall Hex joint drill pipe. To ensure the highest quality, and balance of durability vs. hardness, Holte runs a dedicated Heat Treat facility.

Holte's standard RC dual wall pipe allows for air to move through the annulus between the center tube and the outer pipe, while the cuttings flow freely up through the center. Airflow channels are designed for optimum efficiency and to be matched to Holte DHHs and Top Heads.

Simplicity and Durability

Our expertise in understanding materials and the strains placed on them during drilling derives from our years of manufacturing and working in the field alongside our customers. Precision machined tool joints and pipe are carburized during heat treatment for additional hardness. Prior to welding the outer pipe to the joints, we carefully torque the inner pipe into the machined joint, creating additional strength.



Hex Joint Pipe Advantages

Holte's Dual Wall Pipe with Quick Release Hex joint provides a solution to the problem of thread binding. This is particularly a problem with large diameter systems using traditional threaded joints, due to the high amount of torque applied to the drill strings. Holte Hex joint Pipe eliminates this, while adding several other advantages over traditional threaded joints.

Hex Drive joints are intuitive, when disconnecting Hex joint Pipe no counter rotation is needed as the joints simply fit together. When connected, the joints are held together by two machined pins that utilize a standard wrench for removal. This reduces the time spent assembling and disassembling pipe. Another advantage of Hex joints is the ability to rotate the drill in both directions. When difficult conditions persist this option will keep you drilling instead of stuck.

Complete Drilling Systems

To get the full benefit of reverse circulation drilling, the airflow channels and cuttings discharge should be matched in size from the Bit to the Hammer and through the Drill Pipe. For this reason, Holte is proud to offer everything from top head to bit, including custom top head drives specifically designed and outfitted for RC drilling.

REVERSE CIRCULATION DRILL PIPE						RC
	Diameter (OD x ID)*	Area (in ²)	Velocity (ft/min) @ 1000 CFM	Max Torque (ft/lbs)**	Weight (20'L)***	
Thread	4.5" x 2.25"	4	36,200	13,100	600	
	7" x 3.8"	11.5	12500	35,000	940	
	8.625" x 4.90"	18.9	7630	43,700	1120	
	10.75" x 6.25"	30.7	4700	65,600	1800	
Hex	8.625" x 4.90"	18.9	7630	43,700	1250	
	10.75" x 6.25"	30.7	4700	65,600	1930	
	13.625" x 6.25"	30.7	4700	87,500	2370	
	16" x 7.80"	47.8	3000	105,000	2610	

* Custom sizes available. Inner pipe shown is standard size.

** Torque is estimated and subject to change. Torque shown is with a 2:1 safety factor. If higher torque is required call Holte for special application pipe.

*** Holte pipe is sold to the length required. Weights modeled. Specifications subject to change without notice.

Photo previous page: Tapered thread pipe stacked in the Holte yard. Photos left to right. Top: a) Hex joint pipe ends mating. b) Air channels in Hex joint pipe and 20' inner bore. c) Tapered thread pipe with O-ring seats. Bottom: d) Tapered thread pipe threads being cut. e) Hex joint showing two bolts for joining pipe.

HOLTE MANUFACTURING