

# DUAL ROTARY RIGS

Dual rotary drill rigs have two rotary drive mechanisms, an upper rotary head and a high torque lower drive unit. The top and lower drives feed independently allowing the bit position to vary relative to the bottom of the casing. This provides the ability to case off upper unstable formations and continue with open hole drilling techniques.

Dual Rotary rigs provide exceptional overburden drilling in unconsolidated formations consisting of sands, gravels, glacial tills and boulders. Other conventional drilling methods can have serious problems drilling these formations, especially glacial tills and boulders. But these rigs are right at home drilling deep, large diameter applications including municipal wells, industrial wells, environmental wells, exploration boreholes, injection wells, ASR wells (aquifer storage and recovery wells), mine dewatering wells, elevator shaft drilling, construction drilling, and various other types of drilling applications.



## SPECIFICATIONS & CAPABILITIES

- Large diameter capabilities—set casings up to 40" in diameter
- Versatile—easily transitions between a variety of drilling methods to best drill the formations encountered.
- Drills the straightest holes thanks to a rugged carbide casing shoe combined with independent drives for the drill head and casing.
- Drill cuttings are typically evacuated with air and discharged to a containment vessel; our rigs are configured to use bentonite based drilling fluids, foam or flooded reverse circulation drilling.



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