

DRILL FASTER - RUN HARDER - WORK SMARTER



Accessories:

Center Rock offers a specially designed breakout stand for quick bit changes and easy hammer maintenance or repair, on or off site.

About Center Rock, Inc.

We manufacture and distribute a complete line of air drilling tools and products. Center Rock brand products include L.P. Drills and Hole Openers ranging from 20" to 114", drill bits, and the CR line of hammers available with our patented bit retention system in 4" to 24". Our customer service department offers 75 years of combined oil field experience and is available 24/7 to assist customers with sales, service and technical support.



CENTER ROCK, INC.

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Only from Center Rock:

LOW PROFILE CANISTER DRILLS

Advanced

Design Drills

to Cut to

the Exact

Depth and

Diameter



CENTER ROCK, INC.



Our **High Tech Low Profile Drills** are engineered to meet the **toughest demands in the field.**

Cutting large diameter holes in rock can be a challenge.

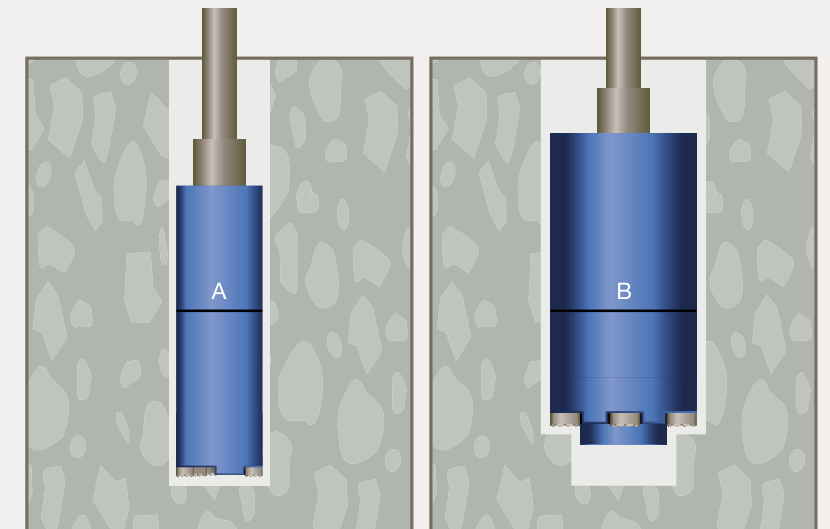
And the low profile (L.P.) drill series from Center Rock is up to the task. The advanced engineering of the drills provides a cost effective solution for drilling and excavation requirements up to 114" in diameter. Our drills have been used by some of the nation's largest building, roadway and mining contractors to quickly drill holes to the exact size required by their specifications.

Standard and custom-built sizes from 20-114 inches

- Our full-face L.P. drills range in size from 20"-78" and at Center Rock we've developed a two-piece system of L.P. drills that can open holes to as large as 114."
- Maintainable in the field
- Customer service support 24/7
- New, improved version of standard canister drill
- Cost efficient solution for many drill/excavating challenges
- Durable construction
- Reduced bit cost
- Low air consumption



Case Foundation used a 114" Center Rock L.P. Drill system to drill 48 holes, 35 feet in depth, for the foundation caissons of the Trump Tower under construction in Chicago.



How it works

Hammers fitted with 7.875" bits are positioned in a specially designed grid to ensure even cutting across the face of the hole and to promote proper flow of cuttings outward and upward into the kalix basket. For large diameter holes (A) a pilot shaft is drilled with a full face L.P. drill, then a larger diameter hole opener (B) opens the pilot shaft to the required diameter up to as large as 114". This method allows for more efficient and faster rock drilling. Our drills have been used to cut holes up to 200 feet deep and are designed to reach much greater depths.

Use Center Rock L.P. Drills for these applications:

- Pilings
- Caissons
- Shafts
- Footers
- Pole holes
- Curtain walls
- Rescue shafts

STANDARD SIZE L.P. DRILL SPECIFICATIONS

L.P. FULL FACE DRILLS

Size	Number of Hammers	Min. Air Required	Recommended Air Required
20	3	960 SCFM	1200 SCFM
22	4	1280	1600
25	5	1600	2000
30	5	1600	2000
34	5	1600	2000
36	6	1920	2400
40	7	2240	2800
42	7	2240	2800
46	9	2880	3600
48	9	2880	3600
58	13	4160	5200
60	13	4160	5200
70	17	5440	6800
78	18	5760	7200

L.P. HOLE OPENERS

Size	Number of Hammers	Min. Air Required	Recommended Air Required
66 x 42	10	3200 SCFM	4000 SCFM
84 x 48	12	3840	4800
90 x 58	15	4800	6000
96 x 60	16	5440	6800
114 x 90	14	5120	6400

RECOMMENDED OPERATING PRESSURE IS 150 - 165 PSIG.



Our L.P. drills are frequently used to cut foundation holes for highway overpasses and related support construction. Here a contractor uses a 48" Center Rock L.P. Drill to cut support holes for a new overpass.

