

The Zinex Mining Corp A5 Diamond Drill

Designed *by* diamond drillers
for diamond drillers

by **Adam Purves**, Sales Manager of Zinex Mining Corp

Zinex Mining Corp (ZMC) is committed to building superior, lightweight, modular diamond drills with extreme-depth capabilities for the modern drilling contactor. Zinex Mining Corp manufactures the surface model A5 Diamond Drill, which is one of the most recognized diamond core drills worldwide. Whether you are drilling in the high Arctic, on a remote Alpine side hill, or in the deserts of the Sudan, the A5's deep hole drilling capability and rugged and modular design makes it the diamond drill of choice for the performance-driven driller.

Having built over 400 drills since 2006, ZMC has focused on keeping the drill design robust and components consistent,



Model	Zinex A5®
Weight	7500 lbs
Depth capacity H	1000 m
Engine	John Deere 6068 187 hp
Drill head	H-Chuck/P-Chuck
Foot clamp	H-Clamp/P-Clamp
Synchronized rod handling	Rods in / Rods out mode
RPM	1500 rpm
Rotational torque	High gear 350 ft lbs @ 1610 rpm 1750 ft lbs @ 342 rpm Low gear 625 ft lbs @ 894 rpm 3145 ft lbs @ 190 rpm
Drill head / Chuck weight capacity	26 000 lb
Rotation motor	Variable displacement 160 cc
Feed stroke	72 in.
Maximum pullback	44 178 lbs pullback
Stroke speed two cylinders	4.2 s cycle times extending 2.4 s cycle times retracting
Maximum holdback	7216 lbs
Maximum feed force	15 020 lbs
Winch	Levelwind capacity 3500 ft
Rod handling winch	Rotzler 70 ft capacity
Hydraulic tank capacity	200 L
Hydraulic cooler	Water

Included Items

Mud tank
Mud mixer

Optional Items

Drill shack
Rod handler
Rod sloop
Fly baskets
Guarding

ensuring the use of only top-quality parts and maintaining a quick delivery inventory of drills and replacement parts. The Zinex A5 drill has been operating for over 10 years in most of the countries across the globe where exploration diamond drilling takes place.

The A5 is designed to be disassembled quickly and easily for helicopter transport, with the heaviest component weighing approximately 1600 lb (725 kg), and can be easily configured for shack drilling. All drill components are of the finest quality, and there are no 'offshore' parts used on the A5 drill.

Drill depth capacity with a B20 Head and 12HH 12.5° hydraulic chuck is 4350 ft (1325 m) of 'N' Rod. The A5 comes standard with a B20 head, a Boyles 12HH hydraulic chuck (available in 12.5° with 26 000 lb (11 794 kg) holding capacity and 7.5° with 36 000 lb (16 330 kg) holding capacity), a Boyles 12HH Foot Clamp and a John Deere 6068 Tier-3 engine. The A5 hydraulics includes a fully synchronized clamp and chuck with operation controlled by a fast feed lever, a drill head that floats up and down for making and breaking rods, three hydraulic pumps to maximize efficiency, Pall brand filters and an oversized heat exchanger oil cooler.

Standout features

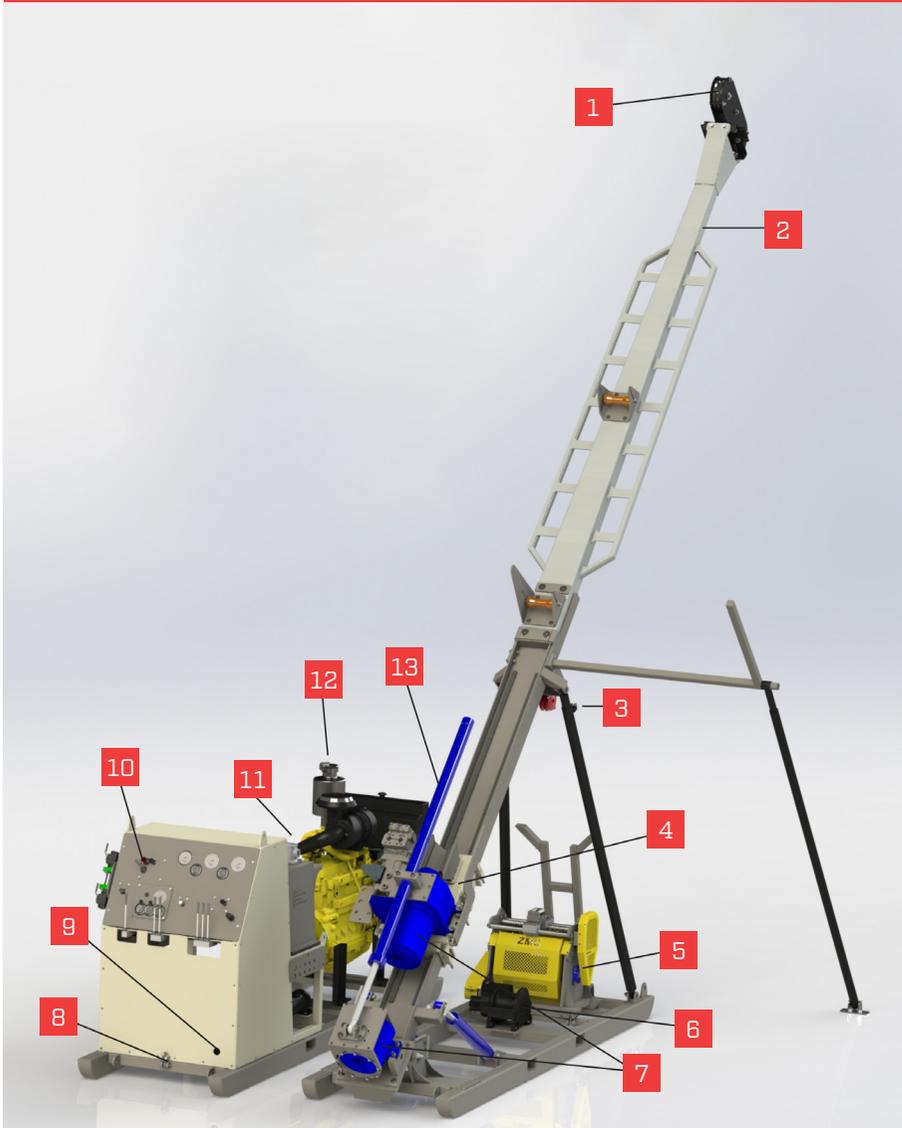
- A deep hole capability drill that is simple to disassemble/reassemble for fly-in projects
- When fully disassembled, the A5 drill is light enough to be moved by a Hughes 500D helicopter
- Industry leading power-to-weight ratio for a diamond drill
- Easily mounts into a drill shack with rod handler capabilities, which makes the A5 one of the most versatile drills in the industry
- The A5 comes equipped with an industry leading synchronized clamp and chuck
- When pulling rods, or putting them back down-hole, valve operation is a one-handed procedure
- No plastic components are used on the A5 drill slide
- All A5 drills are engineered and manufactured to exact specifications, which allows every drill produced to be completely interchangeable with all previous A5 drills manufactured
- The A5 drill uses no 'offshore' parts in its design, and is still being built all in-house at a Zinex Mining Corp facility
- Better than 95% of replacement parts are in stock and ready to ship within four hours of receiving the order.

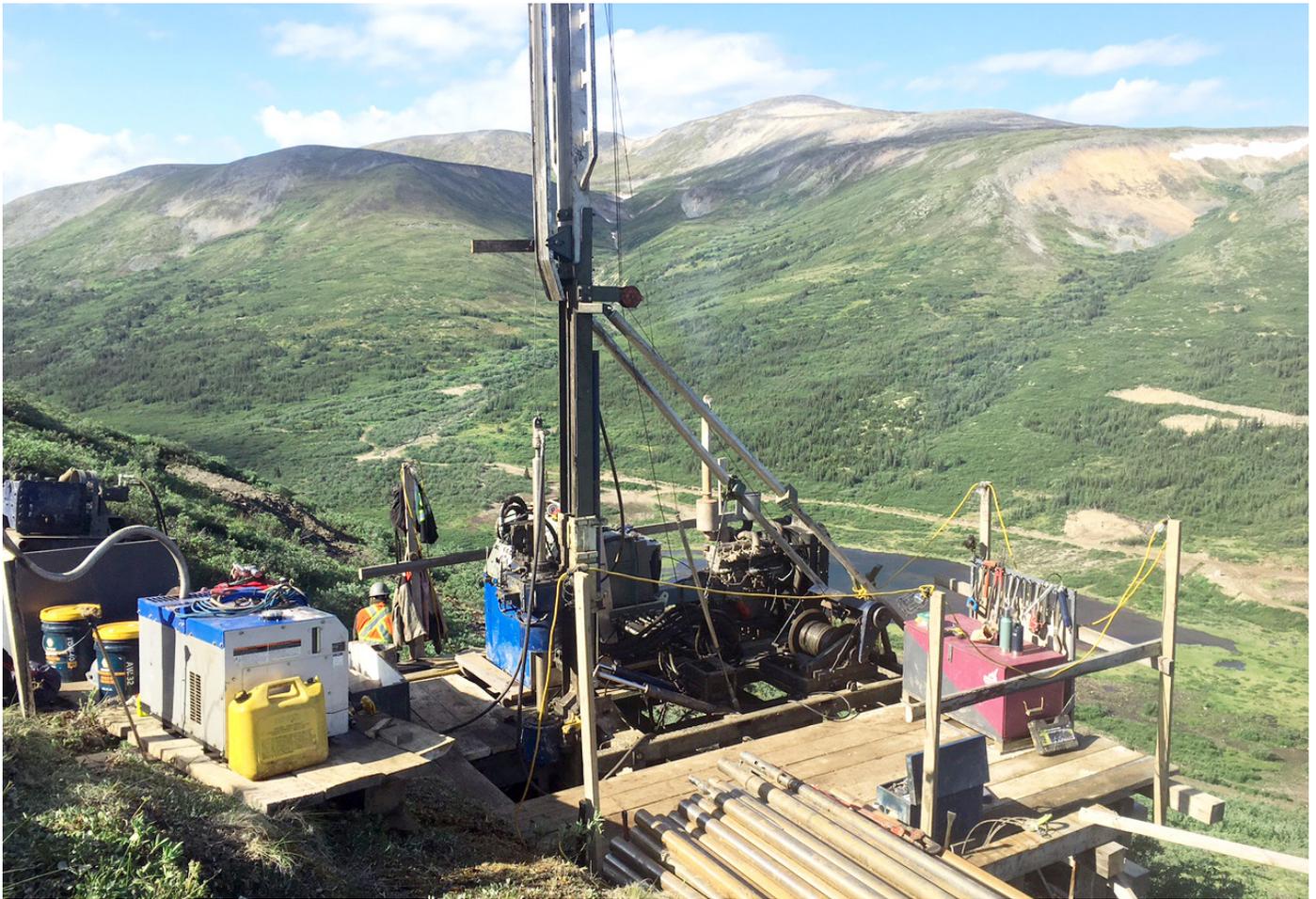
The feed frame has no plastic components, so it's wear-free, is 31.5 ft (9.6 m) in length, including the aluminum stinger, and drills from 22° to 90°. The frame is raised and

Description

1. Custom double sheave wheel
2. Reinforced aluminum stinger
3. Carbide clamp stiff legs
4. Internal saddle roller bearings
5. Levelwind winch
6. Rod hoist winch
7. 'H' or 'P' capable
8. Quick disconnects for flying
9. Hydraulic water cooler
10. Synchronized chuck + foot clamp
11. 200L hydraulic tank
12. John Deere 6068TF2501
13. Top cylinder for added pullback

A5 DRILL | Zinex Mining Corp





lowered using dual hydraulic cylinders, with the drill head running on 12 easily replaced heavy-duty cam-roller bearings.

Feed cylinders have a full 72 in. (1.83 m) stroke, with a maximum 44 178 lbs (20 039 kg) of pullback.

A driveline guard, full seal kit and a wireline winch are standard features that are also included with the A5 drill package.

The A5 drill upgrade options include a level wind winch, a rod-handling winch assembly, a 'P' clamp and a 'P' head, Ranger 435 supply

and mud pressure pumps, mud tanks, mud mixers, fly baskets, rod sloops and drill shacks.

Every A5 drill that ZMC has built since 2007 is identical and each one is completely interchangeable. They are built in quantity with CNC cut-and-formed parts, assuring top-of-the-line quality, and are constructed using jigs that uphold ZMC's promise to their clients that all fabricated parts will fit every A5 drill manufactured. This process allows for fast and easy field repairs, and makes

the stocking of A5 replacement parts much simpler for the drilling contractor. ZMC keeps at least a dozen A5 drills in stock to allow for quick delivery, and has a better than 95% same-day ship rate for drill parts!

For more information regarding the Zinex A5 Diamond Drill, please contact Adam Purves, Sales Manager of ZMC, at e-mail adam@zinexmining.com or by phone on +1 (604) 932-1211. 

About Zinex Mining Corp

Zinex Mining Corp was founded in 2006 by the present owner, Barry Hanslit. At that time, Barry was a contract driller in the Arctic looking to expand. He used Hydracore drills, which were the best drills you could buy, but there was a long waiting list. So, with the help of a fabricator and an engineer, Barry decided to build his own drill, the A5. He considers Nigel Spaxman at Hydracore to be the best drill manufacturer in the world, so he was careful from the start to not copy any of Spaxman's drill designs like so many other manufacturers had done. By the end of that first year, ZMC was producing six drills per month. In 2007, Barry left contract drilling to focus solely on the business of ZMC. In 2009, ZMC moved its operations to Whistler, British Columbia, and has been there ever since.