



## NORTHSPAN HORNET REVERSE-CIRCULATION (RC) DRILL

### About Northspan

Based in Kelowna, BC, Canada, Northspan Explorations Ltd. is a family owned and operated exploration drilling company. An industry leader, Northspan has been providing services to the mineral exploration community for over 25 years. With extensive experience across Canada, South America, Africa and Europe, Northspan can provide you with a drilling solution specific to your need. Northspan has experience and has excelled with drilling programs in some of the worlds toughest locations including the Canadian high arctic as well as deep in the Amazon jungles of Colombia, Venezuela and Guyana.

### The Hornet Drill

The Northspan Hornet drill is a modular drilling system available in a variety of configurations. It was designed with mobility in mind and can easily be transported by ATV, light fixed-wing aircraft and by helicopter. Furthermore, the Hornet package can include a track-mounted configuration. Other options are available as well.

This flexible, modular design seeks to reduce mobilization costs. With this minimized, more budget is available for on-site drilling.

### The "Shotgun" Approach

The Northspan Hornet drill uses a "shotgun" approach to exploration drilling. The idea is that lower costs, leading to higher drill-hole counts will increase the probability of successful exploration. By placing many, lower cost holes over a wider area, the probability of hitting a target is increased.

The Hornet drill is designed to rapidly supply critical information to the geological team for further exploration decisions. Target priorities and data interpretation can be changed as the Hornet drill quickly identifies each target. For example, in diamond exploration, the more quickly a kimberlite can be identified, the better. Magnetic structures can be more precisely interpreted and the drill plan can be revised.

### Custom Drilling Solutions

In addition to contracting, Northspan also designs, builds and sells drills and drilling packages. For more information, please contact us.

### Beyond Drilling

Northspan is always working to improve it's diversity in the mineral exploration field. We offer other, related services such as consultancy services and program start-ups. For more information, please contact us.

## NORTHSPAN HORNET REVERSE-CIRCULATION (RC) DRILL (cont.)

### > TECHNICAL SPECIFICATIONS

#### Hornet Specifications:

- Pull Down Force – 8,250 lbs
- Pull Back Force – 16,200 lbs
- Rotary Speed – 0 – 96 rpm
- Output Torque – 1,500 ft. lbs
- Head Tripping Speed – 1 ft. per second
- Feed Stroke – 84"



The drill and ancillary equipment totals approximately 12,500 lbs with the heaviest lift being 1250 lbs. A total of 12 loads using a Long Ranger. The drill and equipment fit comfortably in 4 Twin Otter loads. They drill with one 12 hour shift per day and can average 1 hole per day including moves once routine is established.

The drill creates a 3 5/8" bore hole. Casing is set to bedrock. Drilling is done dry. There is an air interchange at the bit bringing material to surface inside the rods where it is then recovered through a cyclone. Material returned to surface is 1 cm and smaller. A 5 foot run returns approximately 1 standard white pail (~ 5 gallons) weighing 25 kg. Achieving a 100 meter hole is standard practice.