



**CORE-BEIL**<sup>®</sup>  
ROCK TOOLS  
[www.corebeil.com](http://www.corebeil.com)

**VersaDrill**  
CANADA 

COTIZACION:

Equipo de Perforación de Diamante

Presentado a:



**CORE-BEIL®**  
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Mazatlán, 2015

Asunto: Cotización – Equipo de Perforación de Superficie, modelo KmN1.4S Usada sobre Orugas.

Señor:

Quisiera agradecerle su solicitud de cotización para uno de nuestros productos.

Encontrará adjunto, un presupuesto para el equipo de perforación KmN1.4S

Los equipos de perforación diseñados y fabricados por VersaDrill Canadá son durables y tienen excelente desempeño. Además, nos aseguramos que nuestros productos respondan a las necesidades específicas de nuestros clientes.

Finalmente, nuestro equipo de técnicos experimentados le brindará un servicio de puesta en funcionamiento y un apoyo postventa de primer nivel para optimizar todas sus actividades de perforación.

No dude en comunicarse con nosotros para obtener más información.

Sin más, le ruego reciba mis más cordiales saludos.

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Javier Flores, Representante de Venta

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Francois Dumont, Gerente de Venta



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USD \$

CARRET. FED CONSEJONADA DE CUOTA  
MAZ--CULLIANCAN KM 1 C.P. 82129 MAZATLAN,  
SIN., MEXICO  
TEL/FAX: (669)668-6332  
E-MAIL: corebeil@corebei.com

**CUSTOMER:**

QTY	PART NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
		SURFACE DRILL RIG kmB1.4S SOBRE ORUGAS USADA		265,000.00
1	Hydraulic Unit 500A200	Hydraulic module with pres. tank and mobile control USADO		-
1	Drilling Head 100A204	Drill head with chuck 124mm KmB 1.4 USADA		-
1	Head Motor 51V160RF	Variable Motor Sauer Danfoss USADO		-
1	Transmission 101A005	Gear box 2 speed 3.6 : 1 and 1 : 1 USADO		-
1	Rod Holder 104A101	Rod holder 124mm Kmb 1.4 USADO		-
1	Base 300A011	Feed frame base 90' with legs KmB 1.4S USADO		-
1	Wireline Hoist 611A005	Wireline hoist 1400m with cable guide USADO		-
1	Feed Frame 200A002L	Feed Frame 11' surface KmB 1.4S USADO		-
1	Diesel Unit	Diesel unit with jhon Deere motor 185HP USADO		-
1	Guard 615A010	Security guard for surface drilling USADO		-
1	Track	Oruga Caterpillar 312C 10 Horas de uso		-
			<b>TOTAL:</b>	<b>265,000.00</b>

**EQUIPMENT**

<b>Jaws</b>			
2	103A004HQ	5 Jaw set HQ	-
<b>Bushing Guide</b>			
1	100A170	Bearing alignment bushing assembly HQ	-
<b>WATER ACCESSORIES</b>			
1	619AKF40H200	Water pump 435 AM with hydr. Motor 200cc USADO	-
1	623AW140G	Water tank 140 1.185 Litros USADO	-
1	616A001	Hydraulic mud mixer 5 hp USADO	-

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**Accessories Sub-Total** -

**Included with the drill rig**

- 1 Guaranties                      Guarantee on drill rig tres (3) meses  
The drill rig is guaranteed 3 months parts and manwork on site, excluding freight, time and subsistence
- 1 Pieces                              Parts included with drill rig  
One set of jaws at your choice size for the rod clamp and drill head, also one guide bushing are included with the drill rig.
- 1 Formation                          Training by our technician  
Assistance of 1 week (6 days) commissioning by our service technician

**CONDICION:                      DE CONTADO**

**TIEMPO DE ENTREGA:        15 DÍAS**

**FORMACION:                    FORMACION DE 6 DIAS EN OBRA DEL CLIENTE POR PARTES DE NUESTRO TECNICO INCLUIDO**

**LOS PRECIO NO INCLUYEN EL**

**IVA PRECIO EN \$ US\$**

**FOB : MAZATLAN, SINALOA**

265,000.00  
TAX % -

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**TOTAL:                      265,000.00**

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PART NUMBER	DESCRIPTION
500A200	<p><b>Hydraulic module with pres. Tank and mobile control</b></p> <p>Come with 3 pressure gauges, rotation speed control, torque limit on rotation head and hydraulic cylinder. The Hydraulic valves are mounted directly on the control unit to minimize the complexity of pilot control, overall weight and the maintenance.</p>
100A004	<p><b>Drill head with chuck 124 mm KmB 1.4</b></p> <p>ROTARY HEAD</p> <p>The 4.8" (124mm) Chuck Drill Head Versa 124 mm provides</p> <p>A holding capacity of 26,000 lbs (11,793 kg)</p> <p>Jaws: 9 carbide set</p> <p>Speed: Variable up to 1550 rpm</p> <p>Chuck operation: Spring closed and hydraulic opened</p> <p>Final drive: HV 80-3 chain in oil bath</p> <p>Hydraulic motor: sauer Danfoss 160cc variable</p> <p>Rotary head ratio 1: 2,33</p> <p>Lubrication: Pump pressurized, 10 micron filter and cooler</p> <p>Fabrication: Aluminium and steel (all steel optional)</p> <p>TRANSMISSION FUNK MODEL 101AHMD2355DO (optional)</p> <p>Weight without transmission and motor: 604 lbs (230 kg)</p>
51V060RF	<p><b>Variable Motor Sauer Danfoss</b></p> <p>Hydraulic lotor 160cc variable speed.</p>
101A005	<p><b>Gear box 2 speed 3.6 : and 1 : 1</b></p> <p>RPM Max Torque</p> <p>Speed LO: 0-361 rpm – 2098 lb*ft (2840 N*m)</p> <p>Speed HI: 0-1500 rpm -606 lb*ft (820 N*m)</p>
104A001	<p><b>Rod holder 124mm</b></p> <p>The simple design reduces spare parts inventory and provides for easy maintenance and servicing.</p> <p>Operation Spring closed and hydraulic opened</p> <p>Holding capacity: 26000 lbs(11 793 kg)</p> <p>Jaw: 9 (carbide set)</p> <p>Maximum ID 124 mm ( 4.8 in )</p> <p>Interior diameter 317, 5mm (12,5 in)</p>
300A011	<p><b>Feed frame base 90° with legs KmB 1.4S</b></p> <p>This base is build in heavy duty operation and come with two (2) hydraulic cylinder.</p> <p>The feed frame could be</p> <p>connected and disconnected easily. Possible angle with the feed frame on this base is 8 to 90 degrees</p>
611A005	<p><b>Wireline hoist 1400m with cable guide</b></p> <p>Driven by a low speed, high torque hydraulic motor providing variable speed. It's equipped with a cable guide and safety guard.</p> <p>Cable capacity: 3/16" (4,8mm) , 4600ft (1400m)</p> <p>Pull capacity (empty): 2000lbs (907 kg)</p> <p>Pull capacity (full) : 650 lbs (295kg)</p> <p>Hydraulic motor included</p>

<b>200A002L</b>	<b>Feed frame 11' surface kmB1.4S</b>
	<p>The feed frame is characterized by a carriage that uses cam follower bearing to roll along the lightweight, heavy-duty mast</p> <p>The carriage is driven by a telescopic hydraulic cylinder. The retractable mast consists of a pull apparatus, a work platform, pully system and adjustable support legs.</p> <p>Head stroke: 11' (3,35m)</p> <p>Raising speed: 125 ft/min (38 m/min)</p> <p>Lowering speed: 255 ft/min (77 m/min)</p> <p>Pull capacity: 38000 lbs (17336 kg) @ 4000 psi</p> <p>Push capacity: 19000 lbs (8618 kg) @ 4000 psi</p> <p>The slide enables the mast to be positioned to the desired height.</p> <p>Possible angle: 8 to 90 degrees</p> <p>Single line capacity ½ dia. X 58 ft: 12500 lbs (5670 kg) @ 4000 psi</p> <p>Pull cable raising speed: 240 ft/min (73 m/min)</p> <p>Pull cable lowering speed: 380 ft/min (115 m/min)</p> <p>Weight: 8844 lbs (4000 kg)</p>
<b>400A-C205HP-6T</b>	<b>Diesel unit with Jhon Deere motor 185HP</b>
<b>615A010</b>	<b>Security guard for surface drilling</b>
	The safety guard, which is anchored on the feed frame, is light and amovable. Weight: 7 lb (3,2 kg)
<b>100A170</b>	<b>Bearing alignment bushing assembly HQ</b>
	Bushing HQ for rod clamp
<b>623AW140G</b>	<b>Water tub 1.185 litros</b>
	water and mud tank with pump support.
<b>616A001</b>	<b>Hydraulic mud mixer 5 hp</b>
	Portable hydraulic mud mixer
<b>503A003</b>	<b>Pump bicycle assembly</b>
	Pump bicycle c/w: one pressure gauge 0-2000 psi, 2 ball valve, one water swivel hose 25ft, one relief valve.
<b>Pieces</b>	<b>Parts included with drill rig</b>
	One set of jaw at your choice size for the rod clamp and drill head, also one guide bushing are included with the drill rig.
<b>Formation</b>	<b>Training by our technician</b>
	Assistance of 1 week ( 6 days ) commissioning by our service technician

# KmN.1.4s

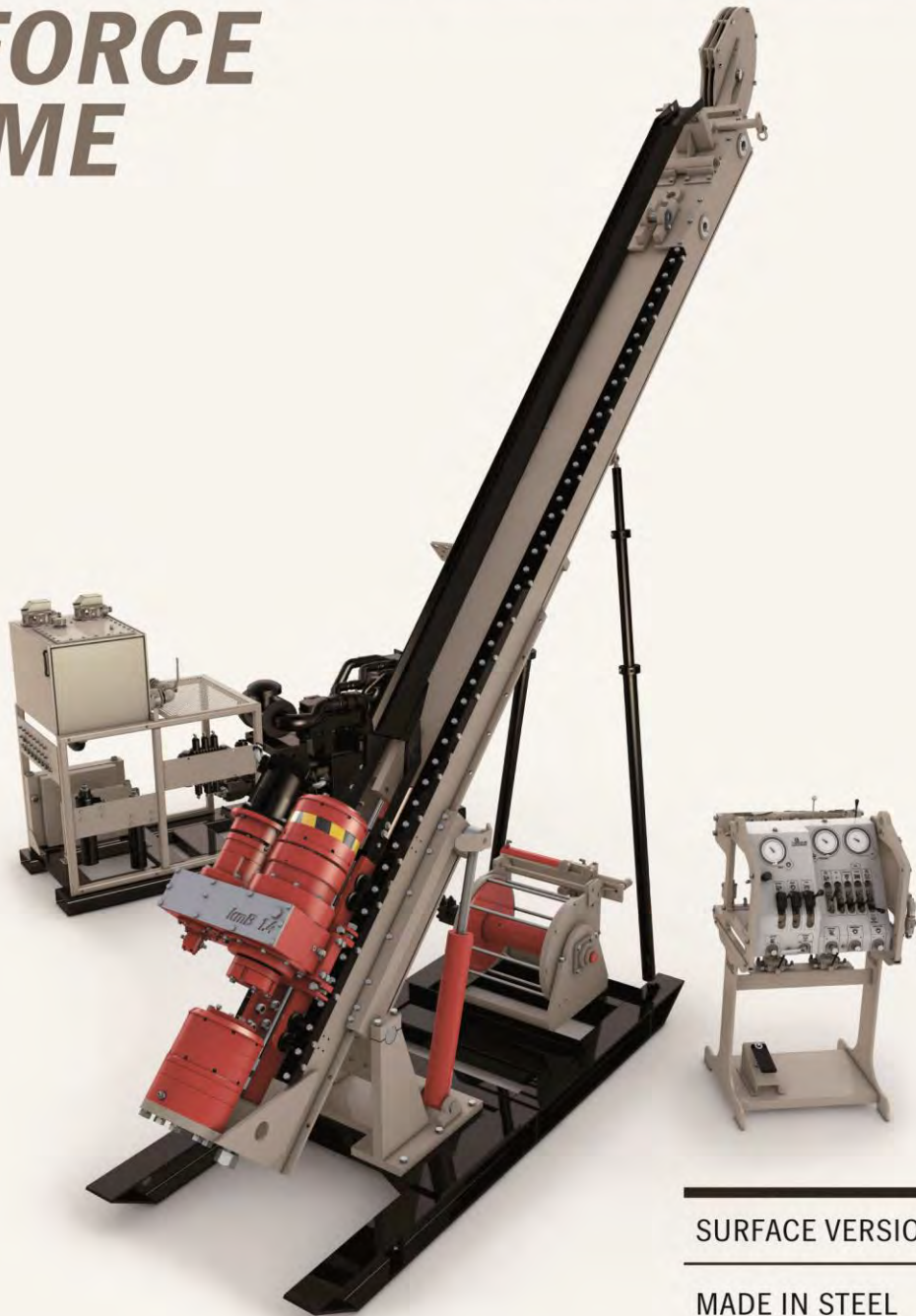


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## THE FORCE OF TIME



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SURFACE VERSION

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MADE IN STEEL

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TOTAL WEIGHT

17 011 lb (7 719 kg)

# VersaDrill

**CANADA**



# KmN.1.4s

## TECHNICAL SPECIFICATIONS

### Rotary head and rod holder

Holding capacity	25 000 lb (11 340 kg)
Spindle interior dimension	4.9" (124 mm) <b>PWL Rod</b>
Chuck operation	<b>Spring closed and hydraulically opened</b>
Final drive	<b>HV 80-3 chain in an oil bath</b>
Hydraulic Motor	<b>160 cc variable</b>
Transmission	<b>HI-LO 2 speed mechanic</b>
Rotary Head Ratio	<b>1:2.33</b>
Lubrication	<b>Pump pressurized, filter and cooler</b>
Speed	<b>0 to 1 250 RPM</b>

### Filtration

- 10 micron absolute filter on return line (2)
- High pressure filter (2)
- One strainer inside the hydraulic tank connected to the suction (2)

### Hydraulic module

Floating rotary head — Torque limit on rotary head

Hydraulic pump (2)	246 l/min (65 US gal/min) @ 1 800 RPM (max. 4 000 psi (275 bar)) 136 l/min (36 US gal/min) @ 1 800 RPM (max. 4 000 psi (275 bar))
System drive	<b>Open loop, Load-sensing circuit</b>
Hydraulic pressurized tank	<b>55 US gal (208 l)</b>
Oil heat exchanger	<b>Water cooling (Air cooler optional)</b>

### Weight

Diesel power unit	<b>1 686 lb (766 kg)</b>
Hydraulic pump and tank	<b>2 634 lb (1 195 kg)</b>
Control panel	<b>672 lb (305 kg)</b>
Drill head	<b>954 lb (433 kg)</b>
Drill head hydraulic motor	<b>70 lb (32 kg)</b>
Drill head transmission	<b>85 lb (39 kg)</b>
Rod holder	<b>452 lb (205 kg)</b>
Feed frame assy	<b>8 883 lb (4 029 kg)</b>
Wireline	<b>575 lb (261 kg)</b>
Hydraulic hoses	<b>1 000 lb (454 kg)</b>

The manufacturer reserves the right to make modifications without prior notice



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# KmN.1.4s

## TECHNICAL SPECIFICATIONS

Drilling capacity		Normal	Deep hole option
*B	2 3/16" (55,6 mm)	6 230 ft (1 900 m)	7 550 ft (2 300 m)
*Recommended size for maximum performance	*N 2 3/4" (69,9 mm)	4 600 ft (1 400 m)	5 909 ft (1 800 m)
	*H 3 1/2" (88,9 mm)	2 625 ft (800 m)	3 940 ft (1 200 m)
	P 4 5/8" (117,5 mm)	1 610 ft (500 m)	2 626 ft (800 m)

Drilling capacity is calculated on a 90 degree down hole and will depend on in-hole tools, ground conditions, drilling techniques and equipment used.

Recommended diesel engine: 205 HP ( 152 Kw) at 2 100 RPM

### Feed frame

Head stroke	11 ft (3,35 m)
Raising speed	125 ft/min (38 m/min)
Lowering speed	255 ft/min (77 m/min)
Pull capacity	38 000 lb (17 336 kg) @ 4 000 psi
Push capacity	19 000 lb (8 618 kg) @ 4 000 psi
Possible angle (Surface version)	-8 to -90 degrees

### Surface mast

Pull speed	240 ft/min (73 m/min)
Speed of descent	380 ft/min (115 m/min)
Single line pull capacity	12 500 lb (5 670 kg) @ 4 500 psi
Rod pull length	20 ft (6 m)

### 2 Speed transmission

Speed	Ratio	RPM	Maximum Torque
LO	3.46:1	0-361	4 196 lb*ft (5 689 N*m) @ 361 RPM
HI	1:1	0-1 250	1 213 lb*ft (1 644 N*m) @ 1 250 RPM

Speed and torque based on a 160 cc hydraulic motor at 4 000 psi (275 bar)

### Wireline hoist

Cable capacity (3/16 in - 4.8 mm)	4 600 ft (1 400 m)
Empty Pull capacity	2 000 lb (907 kg)
Full Pull capacity	650 lb (295 kg)

Variable speed as needed

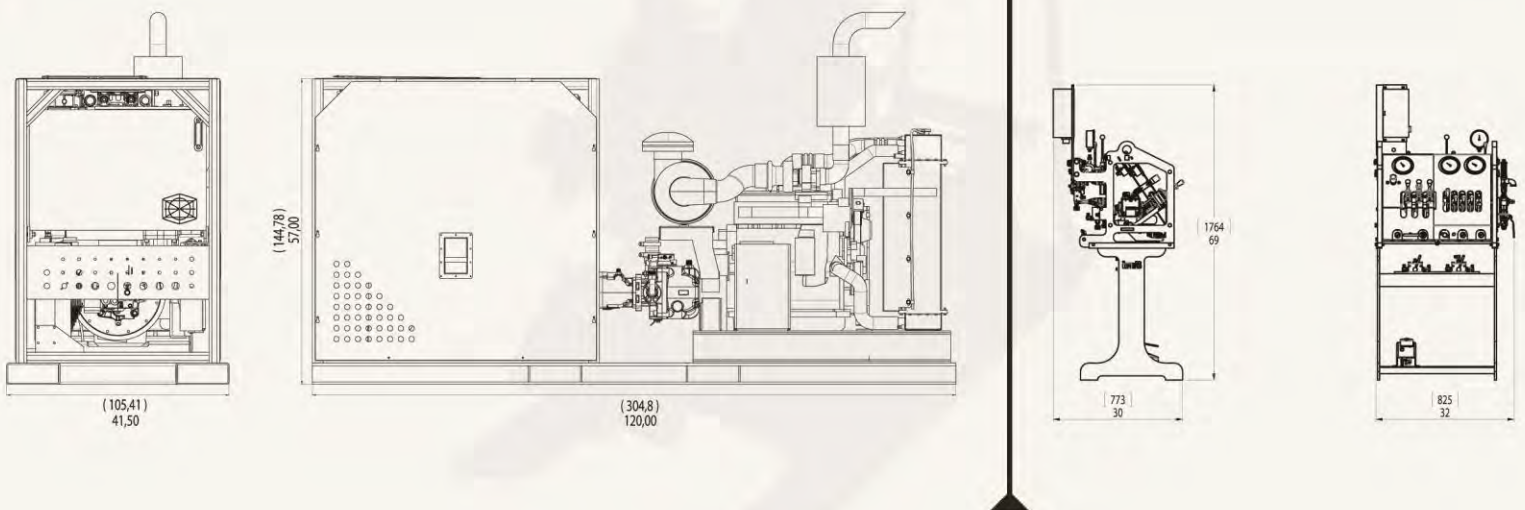
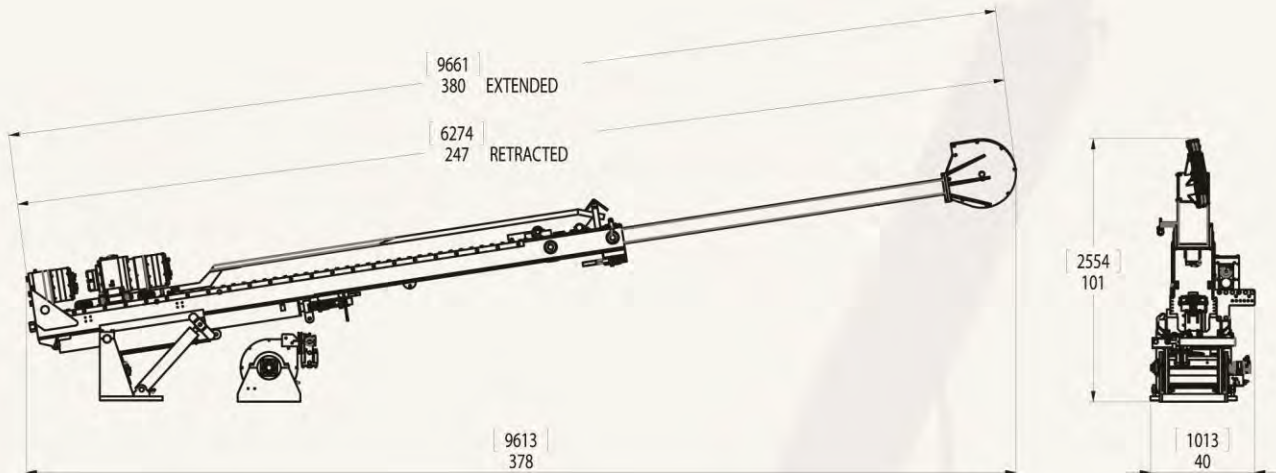


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# KmN.1.4s

## DIMENSIONS



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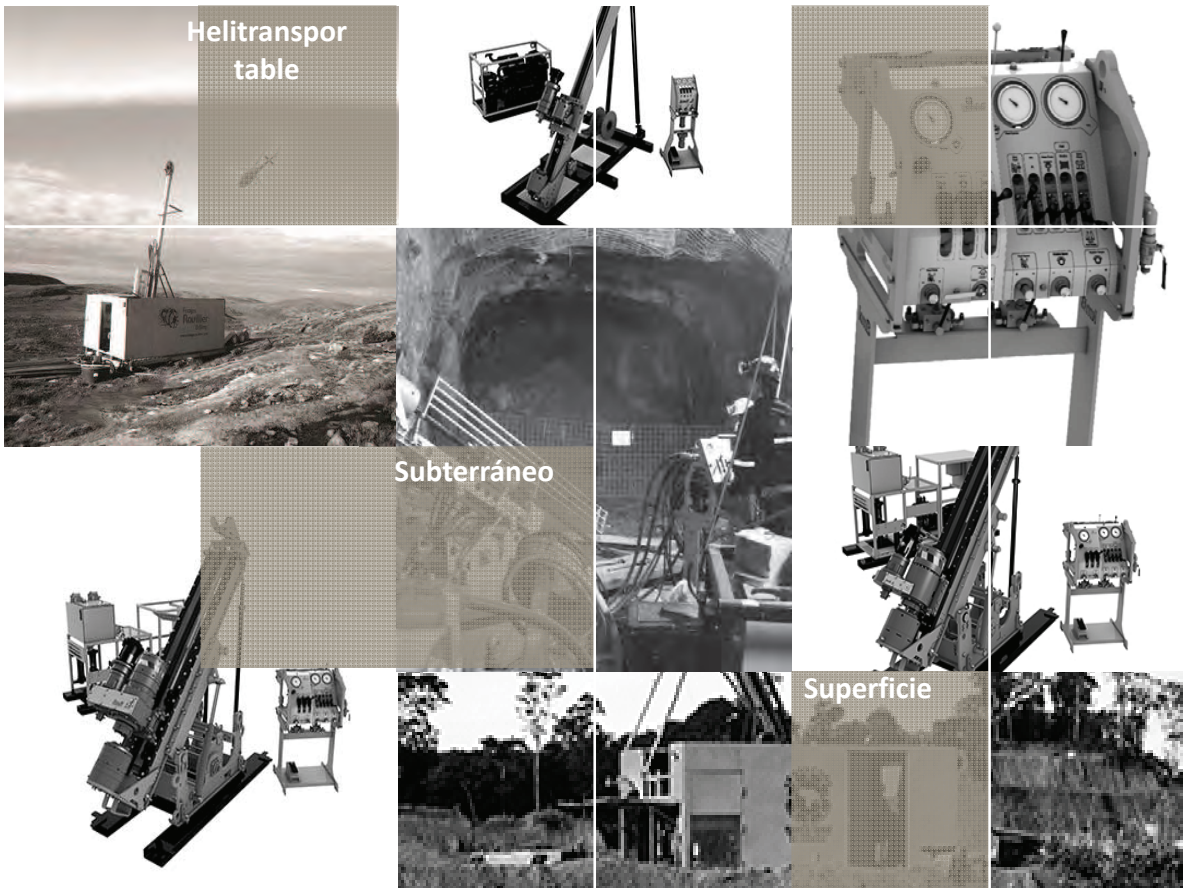
DISTRIBUIDOR AUTORIZADO:  
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## ORGULLOSO DE SER DISTRIBUIDOR DE LA MARCA VERSADRILL CANADA





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## **EQUIPOS DE PERFORACIÓN DE DIAMANTE DE CALIDAD FIABILIDAD, SOLIDEZ, DESEMPEÑO Y POLIVALENCIA**

VersaDrill Canada fabrica equipos de perforación de diamante polivalentes de alta calidad. Son sólidos, seguros y brindan gran flexibilidad de uso. Pueden adaptarse a variadas configuraciones.

- Nuestros equipos de producción están a la finapunta de la tecnología
- Nuestros plazos de producción son los más cortos de la industria
- Poseemos una gran capacidad de innovación, adaptación y perfeccionamiento
- Nuestro equipo le brinda un servicio de postventa personalizado y rápido

## **EL PRODUCTO IDEAL PARA SUS CAMPAÑAS DE PERFORACIÓN**

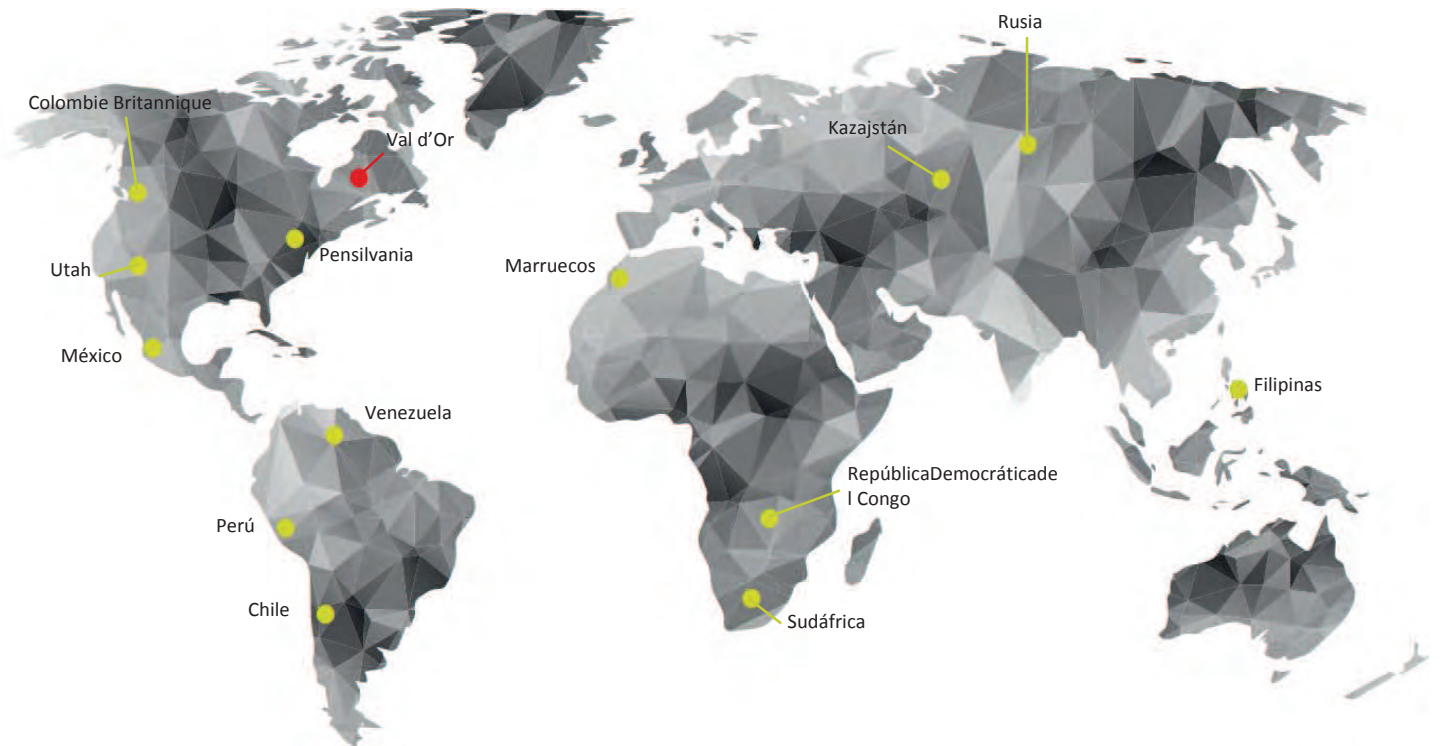
En VersaDrill Canada, sabemos que el buen funcionamiento del equipo de perforación es crucial para garantizar el éxito de sus campañas de perforación. Por esta razón ofrecemos una gama de productos diseñados para reaccionar adecuadamente en todas las condiciones.



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## SERVICIO TÉCNICO Y DE POSTVENTA A NIVEL MUNDIAL





## **SERVICIO DE PUESTA EN FUNCIONAMIENTO DEL EQUIPO DE PERFORACIÓN**

### **UN PROGRAMA DE 6 DÍAS A CARGO DEL DISTRIBUIDOR**

Cada cliente que adquiere un producto de VersaDrill Canada en COREBEIL ROCK TOOLS se inscribe en un programa de puesta en funcionamiento de SEIS días a cargo del distribuidor. Para asegurar la calidad del servicio y la capacitación, VersaDrill Canada ha implementado un procedimiento especial para su red de distribución.

Cuando usted realiza la primera venta de un producto VersaDrill, nos comprometemos a enviar a un técnico experimentado de VersaDrill Canada para que lo asista en la capacitación de puesta en funcionamiento del sistema en las instalaciones del cliente.

Estamos seguros de que usted seguirá gozando del respaldo del fabricante en las puestas en funcionamiento subsiguientes.

## **GARANTÍA VERSADRILL CANADA LA MEJOR EN EL MERCADO**

Con el propósito de garantizar la calidad de sus productos, VersaDrill Canada efectúa 20 metros de perforación de prueba con cada unidad que sale de su fábrica. Cada perforador responde así a elevadas normas de rendimiento y de calidad desde su entrega.