

32,000 pounds (150 kW) of thrust and pullback provide the power for efficient installation through tough soils.



The AT32 is equipped with swing-out, lift-off service doors for easy machine maintenance and serviceability.

Ditch Witch



At 254" (6.46m) whether towing, mobiling or drilling, the compact footprint of the AT32 allows operators to maneuver urban jobsites with confidence.

AT32

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Bursting at the seams with power, the AT32 is the next generation of all-terrain drilling, packing performance and strength into a sleek package. Plus, operator-focused innovations allow for easier system operation and the ability to always finish the job—no matter what might stand in your way.

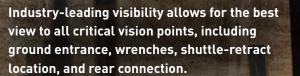
> A heavy-duty anchor system securely holds operator position for more precise control in all soil conditions.

Patented open-sided vise wrenches are rotated toward the operator, enhancing visibility.

OPERATOR'S STATION

Features the choice of a fully retractable climate-controlled cab with tinted glass or an open operator's station to meet each customer's individual needs.

> Ergonomic station was designed specifically for an HDD operator, featuring a heated seat with adjustable suspension, increased legroom, and two LED screens for better visibility to all machine functions, diagnostics, and bore tracking information.



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Real-time carriage-position indicator provides operators insight to the exact carriage position for increased productivity and intuitive operation.



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1,200 ft•lbs (1627 N•m) of inner rotational torque allows for greater efficiency and better production in hard formations. The AT32 has increased the capacity of drill pipe onboard allowing 450 feet of all terrain pipe or 600 feet of dirt pipe with a reversible pipe box increasing productivity.

Ditch Witch

Patented "slide cartridge" provides backup for the carriage rollers allowing operators to complete a job without stopping to replace failed rollers.

Unique "add-a-pipe" design allows operators to manually insert additional pipe, improving productivity. 70 GPM fluid pump supplies drilling fluid for better productivity downhole.

An integrated wireless remote control gives operators the ability to set up the rig outside of the cab, allowing more precise positioning of the unit on the job.

Controller includes multi-mode ground drive, dual independent stabilizers, stake down, cab traverse, and dual pivot.



# AT32 ALL TERRAIN DIRECTIONAL DRILL

OPERATION	U.S.	METRIC
Spindle speed, max	220 rpm	220 pm
Spindle torque, max	4,200 ft•lbs	5694 N•m
Carriage thrust travel speed	190 fpm	58 m/min
Carriage pullback travel speed	190 fpm	58 m/min
Thrust force	32,000 lb	142 kN
Pullback force	32,000 lb	142 kN
Ground travel speed		
Forward	2.8 mph	4.6 km/h
Reverse	2.8 mph	4.6 km/h
POWER		
Engine	Cummins®4.5	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged & charge air cooled	
Number of cylinders	4	
Displacement	275 in <sup>3</sup>	4.5 L
Bore	4.21 in	107 mm
Stroke	4.88 in	124 mm
Manufacturer's gross power rating	155 hp	115 kW
Rated speed Tier 3/Tier 4	2,200 rpm	2,200 rpm
Emissions compliance	EPA Tier 4	EU Stage V
DIMENSIONS		
Length	254.5 in	6.46 m
Width w/cab	89 in	2.26 m
Transport height w/cab	97 in	2.46 m
Weight w/cab	19,220 lb	8,718 kg
Ground clearance	5.7 in	144.8 mm
Entry angle, max	28°	28°
Entry angle, tracks on ground	9°-25°	9°-25°

#### DRILLING FLUID SYSTEM (ONBOARD)

Pressure, max	1,000 psi	69 bar
Flow, max	70 gpm	265 l/min
FLUID CAPACITIES	U.S.	METRIC
Fuel tank, Tier 4	54 gal	204 L
Hydraulic reservoir	17 gal	64 L

Length118.1 in3.0 mJoint diameter2.63 in67 mmPipe diameter2.38 in60 mmBend radius, min123 ft37.5 mWeight of drill pipe, lined74 lb33.6 kgWeight w/drill pipe & large box5,260 lb2386 kgWeight w/drill pipe & small box2,549 lb1156 kgLength120 in3.05 mLength3.00 in76.2 mmJoint diameter3.00 in76.2 mmPipe diameter2.50 in63.5 mmBend radius, min130 ft39.6 mWeight w/drill pipe & large box5,430 lb2463 kgWeight w/drill pipe & large box5,430 lb2463 kgWeight w/drill pipe & large box2,740 lb1243 kgWeight w/drill pipe & small box2,740 lb1243 kgSAE reserve capacity rating195 min560 amps			
Join diameter2.75 in70 mmPipe diameter2.38 in60 mmBend radius123 ft37.5 mWeight of drill pipe, lined84 lb38.1 kgWeight of lined drill pipe & large box5,860 lb2658 kgWeight of lined drill pipe & small box2,799 lb1270 kgORGED HDXLength118.1 in3.0 mJoint diameter2.43 in60 mmPipe diameter2.38 in60 mmBend radius, min123 ft37.5 mWeight of drill pipe, lined74 lb33.6 kgWeight yd'rill pipe & small box (25 pipe)2,549 lb156 kgWeight yd'rill pipe & small box (25 pipe)3.00 in76.2 mmLength120 in3.05 m1156 kgJoint diameter2.50 in63.5 mmLength130 ft9.4 mJoint diameter2.50 in63.5 mmJoint diameter100 lb44.0 kgWeight of drill pipe, lined100 lb44.0 kgWeight of drill pipe, lined100 lb44.0 kgWeight of drill pipe, lined100 lb44.0 kgWeight wdrill pipe & large box (25 pipe)2,430 lb1243 kgWeight wdrill pipe & large box (25 pipe)2,430 lb1243 kgWeight wdrill pipe & large box (25 pipe)2,430 lb1243 kgWeight wdrill pipe & large box (25 pipe)2,500 mm1243 kgWeight wdrill pipe & large box (25 pipe)2,400 lb1243 kgSAE cold crank rating	OWER PIPE <sup>®</sup> HD	<b>U.S.</b>	METRIC
Pipe diameter     2.38 in     60 mm       Bend radius     123 ft     37.5 m       Weight of drill pipe, lined     84 lb     38.1 kg       Weight of lined drill pipe & large box     5.860 lb     2658 kg       Weight of lined drill pipe & small box     2,799 lb     1270 kg       ORGED HDX       Length     118.1 in     3.0 m       Joint diameter     2.63 in     60 mm       Pipe diameter     2.38 in     60 mm       Bend radius, min     123 ft     37.5 m       Weight of drill pipe, lined     74 lb     33.6 kg       Weight wdrill pipe & small box     2,549 lb     1156 kg       Weight wdrill pipe & small box     2,549 lb     156 kg       Joint diameter     3.00 in     6.2 mm       Joint diameter     2.50 in     6.3.5 mm       Joint diameter     130 ft     9.6 m       Joint diameter     2.430 lb     44.9 kg       Weight of drill pipe, lined     108 lb     44.4 kg       Weight wdrill pipe & small box     2.50 in     6.43.5 mm       Joint diameter     2.43	Length	118.1 in	3 m
Bend radius     123 ft     37.5 m       Weight of drill pipe, lined     84 lb     38.1 kg       Weight of lined drill pipe & large box     5,660 lb     2658 kg       Weight of lined drill pipe & small box     2,799 lb     1270 kg       Derest DEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE	Joint diameter	2.75 in	70 mm
Weight of drill pipe, lined     84 lb     38.1 kg       Weight of lined drill pipe & large box     5,860 lb     2658 kg       Weight of lined drill pipe & small box     2,799 lb     1270 kg       ORGED HDX     .     .       Length     118.1 in     3.0 m       Joint diameter     2.63 in     60 mm       Pipe diameter     2.38 in     60 mm       Bend radius, min     123 ft     33.6 kg       Weight w/drill pipe, lined     74 lb     33.6 kg       Weight w/drill pipe & small box     2,549 lb     1156 kg       Weight w/drill pipe & small box     2,549 lb     156 kg       Weight w/drill pipe & small box     2,549 lb     3.05 m       Joint diameter     20 in     3.05 m       Joint diameter     130 ft     3.9.6 m       Weight of drill pipe, lined     108 lb     49.0 kg       Weight w/drill pipe & small box     2,430 lb     243 kg       Weight ef drill pipe, lined     108 lb     49.0 kg       Weight w/drill pipe & small box     2,430 lb     243 kg       Weight w/drill pipe & small box     2,401 lb<	Pipe diameter	2.38 in	60 mm
Weight of lined drill pipe & large box   5,860 lb   2658 kg     Weight of lined drill pipe & small box   2,799 lb   1270 kg     ORGED HDX     Length   118.1 in   3.0 m     Joint diameter   2.63 in   67 mm     Pipe diameter   2.38 in   60 mm     Bend radius, min   123 ft   37.5 m     Weight of drill pipe, lined   74 lb   33.6 kg     Weight w/drill pipe & large box   5,260 lb   2386 kg     Weight w/drill pipe & small box   2,549 lb   1156 kg     LEngth   120 in   3.05 m     Length   120 in   3.05 m     Joint diameter   2.50 in   63.5 mm     Pipe diameter   2.50 in   63.5 mm     Bend radius, min   130 ft   39.6 m     Weight w/drill pipe, lined   108 lb   49.0 kg     Weight w/drill pipe, lined   108 lb   44.3 kg     Weight w/drill pipe & large box   5,430 lb   2463 kg     Weight w/drill pipe & large box   5,430 lb   2463 kg     Weight w/drill pipe & large box   5,430 lb   2463 kg     Weight w/drill p	Bend radius	123 ft	37.5 m
(40 pipe)     5,660 tB     2655 kg       Weight of lined drill pipe & small box     2,799 tb     1270 kg       ORGED HDX     .     .       Length     118.1 in     3.0 m       Joint diameter     2.63 in     60 mm       Pipe diameter     2.38 in     60 mm       Bend radius, min     123 ft     33.6 kg       Weight of drill pipe, lined     74 tb     33.6 kg       Weight w/drill pipe & large box     5,260 tb     2386 kg       Weight w/drill pipe & small box     2,549 tb     1156 kg       LLTERRAIN PIPE     120 in     3.05 m       Length     3.00 in     76.2 mm       Joint diameter     2.50 in     63.5 mm       Bend radius, min     130 ft     39.6 m       Veight w/drill pipe, lined     108 lb     49.0 kg       Weight of drill pipe, lined     108 lb     4243 kg       Weight w/drill pipe & large box     5,430 lb     2443 kg       Weight w/drill pipe & large box     5,430 lb     1243 kg       Weight w/drill pipe & large box     5,430 lb     1243 kg <td< td=""><td>Weight of drill pipe, lined</td><td>84 lb</td><td>38.1 kg</td></td<>	Weight of drill pipe, lined	84 lb	38.1 kg
[25 pipe]   2,797 tb   1270 kg     ORGED HDX   118.1 in   3.0 m     Joint diameter   2.63 in   67 mm     Pipe diameter   2.38 in   60 mm     Bend radius, min   123 ft   33.6 kg     Weight of drill pipe, lined   74 lb   33.6 kg     Weight w/drill pipe & large box   5,260 lb   2386 kg     (25 pipe)   5,260 lb   2386 kg     LETERRAIN PIPE   1156 kg   1156 kg     Length   120 in   3.05 m     Joint diameter   3.00 in   76.2 mm     Pipe diameter   2.50 in   43.5 mm     Bend radius, min   130 ft   39.6 m     Weight of drill pipe, lined   108 lb   49.0 kg     Weight w/drill pipe & large box   5,430 lb   2463 kg     Weight w/drill pipe & small box   2,740 lb   1243 kg     SAE reserve capacity rating   195 min   54.50 amps     SAE reserve capacity rating @ 0°F (-18°C)   950 amps   S50 amps     OISELEVEL   Qperator sound pressure per ISO 6394 w/ cap EX EX   c = 72 dBA		5,860 lb	2658 kg
Length118.1 in3.0 mJoint diameter2.63 in67 mmPipe diameter2.38 in60 mmBend radius, min123 ft37.5 mWeight of drill pipe, lined74 lb33.6 kgWeight w/drill pipe & large box5,260 lb2386 kgWeight w/drill pipe & small box2,549 lb1156 kgLENERRAIN PIPEE120 in3.05 mJoint diameter3.00 in76.2 mmJoint diameter2.50 in63.5 mmBend radius, min130 ft39.6 mWeight w/drill pipe & large box5,430 lb49.0 kgWeight of drill pipe, lined108 lb49.0 kgWeight w/drill pipe & large box5,430 lb2463 kgWeight w/drill pipe & large box2,740 lb1243 kgWeight w/drill pipe & large box2,740 lb1243 kgSAE reserve capacity rating195 min542 numSAE cold crank rating (0 0°F (-18°C)950 amps50 ampsOISE LEVELUSE DA SAR SAR SAR SAR SAR SAR SAR SAR SAR SA		2,799 lb	1270 kg
Joint diameter   2.63 in   67 mm     Pipe diameter   2.38 in   60 mm     Bend radius, min   123 ft   37.5 m     Weight of drill pipe, lined   74 lb   33.6 kg     Weight w/drill pipe & large box   5,260 lb   2386 kg     Weight w/drill pipe & small box   2,549 lb   1156 kg     Length   120 in   3.05 m     Joint diameter   3.00 in   76.2 mm     Pipe diameter   2.50 in   63.5 mm     Bend radius, min   130 ft   39.6 m     Weight w/drill pipe & large box   5,430 lb   49.0 kg     Weight m/drill pipe & large box   2,740 lb   1243 kg     Weight w/drill pipe & large box   2,740 lb   1243 kg     Weight w/drill pipe & small box   2,740 lb   1243 kg     Weight w/drill pipe & small box   2,740 lb   1243 kg     At reserve capacity rating   195 min   5.450 mps     SAE reserve capacity rating   195 min   5.450 mps     OISELEVEL   SO amps   Support Sound pressure per ISO 6394 <or 72="" =="" dba<="" td=""></or>	ORGED HDX		
Pipe diameter2.38 in60 mmBend radius, min123 ft37.5 mWeight of drill pipe, lined74 lb33.6 kgWeight w/drill pipe & large box5,260 lb2386 kgWeight w/drill pipe & small box2,549 lb1156 kgLength120 in3.05 mJoint diameter3.00 in76.2 mmPipe diameter2.50 in63.5 mmBend radius, min130 ft39.6 mWeight w/drill pipe & large box5,430 lb2463 kgWeight of drill pipe, lined108 lb49.0 kgWeight w/drill pipe & large box5,430 lb2463 kgWeight w/drill pipe & large box5,430 lb2463 kgWeight w/drill pipe & large box5,430 lb1243 kgSAE reserve capacity rating195 minSSAE cold crank rating (0 °F (-18 °C)950 ampsOISE LEVELVer = 72 dBA	Length	118.1 in	3.0 m
Bend radius, min     123 ft     37.5 m       Weight of drill pipe, lined     74 lb     33.6 kg       Weight w/drill pipe & large box     5,260 lb     2386 kg       Weight w/drill pipe & small box     2,549 lb     1156 kg       LLTERRAIN PIPE     120 in     3.05 m       Length     120 in     3.05 m       Joint diameter     3.00 in     76.2 mm       Pipe diameter     2.50 in     63.5 mm       Bend radius, min     130 ft     39.6 m       Weight w/drill pipe & large box     5,430 lb     2463 kg       Weight w/drill pipe & large box     2,740 lb     1243 kg       Weight w/drill pipe & large box     2,740 lb     1243 kg       Weight w/drill pipe & large box     2,740 lb     1243 kg       SAE reserve capacity rating     195 min     195 min       SAE reserve capacity rating @ 0°F [-18°C]     950 amps     195 min       OPerator sound pressure per ISO 6394 (w/cab) <or 72="" dba<="" td="">     195 min</or>	Joint diameter	2.63 in	67 mm
Weight of drill pipe, lined74 lb33.6 kgWeight w/drill pipe & large box (25 pipe)5,260 lb2386 kgWeight w/drill pipe & small box (25 pipe)2,549 lb1156 kgLLTERRAIN PIPELength120 in3.05 mJoint diameter3.00 in76.2 mmPipe diameter2.50 in63.5 mmBend radius, min130 ft39.6 mWeight of drill pipe, lined108 lb49.0 kgWeight w/drill pipe & large box (25 pipe)5,430 lb2463 kgWeight w/drill pipe & large box 	Pipe diameter	2.38 in	60 mm
Weight w/drill pipe & large box     5,260 lb     2386 kg       Weight w/drill pipe & small box     2,549 lb     1156 kg       LLTERRAIN PIPE     1156 kg     1156 kg       Length     120 in     3.05 m       Joint diameter     3.00 in     76.2 mm       Pipe diameter     2.50 in     63.5 mm       Bend radius, min     130 ft     39.6 m       Weight w/drill pipe & large box     5,430 lb     49.0 kg       Weight w/drill pipe & large box     5,430 lb     2463 kg       Weight w/drill pipe & large box     2,740 lb     1243 kg       Weight w/drill pipe & lore f los 0°F (-18°C)     950 amps     SAE reserve capacity rating       SAE reserve capacity rating @ 0°F (-18°C)     950 amps     SIE SUEVELL       Operator sound pressure per ISO 6394 (cor = 72 dBA)	Bend radius, min	123 ft	37.5 m
[60 pipe]3.280 kB2380 kgWeight w/drill pipe & small box [25 pipe]2,549 lb1156 kgLL TERRAIN PIPE120 in3.05 mLength120 in3.05 mJoint diameter3.00 in76.2 mmPipe diameter2.50 in63.5 mmBend radius, min130 ft39.6 mWeight of drill pipe, lined108 lb49.0 kgWeight w/drill pipe & large box (45 pipe]5,430 lb2463 kgWeight w/drill pipe & small box (20 pipe]2,740 lb1243 kgSAE reserve capacity rating GISE LEEVEL195 min	Weight of drill pipe, lined	74 lb	33.6 kg
(25 pipe)2,349 (B)1136 kgLL TERRAIN PIPE120 in3.05 mJoint diameter3.00 in76.2 mmPipe diameter2.50 in63.5 mmBend radius, min130 ft39.6 mWeight of drill pipe, lined108 lb49.0 kgWeight w/drill pipe & large box5,430 lb2463 kgWeight w/drill pipe & small box2,740 lb1243 kgSAE reserve capacity rating195 min55.0 ampsOISE LEEVELOperator sound pressure per ISO 6394 (cab) <or 72="" =="" dba<="" td=""></or>		5,260 lb	2386 kg
Length     120 in     3.05 m       Joint diameter     3.00 in     76.2 mm       Pipe diameter     2.50 in     63.5 mm       Bend radius, min     130 ft     39.6 m       Weight of drill pipe, lined     108 lb     49.0 kg       Weight w/drill pipe & large box     5,430 lb     2463 kg       Weight w/drill pipe & small box     2,740 lb     1243 kg       ATTERY (2 USED)     SAE reserve capacity rating     195 min       SAE cold crank rating @ 0°F [-18°C]     950 amps     SOBELEVEL       Operator sound pressure per ISO 6394 (w/ Cab) <or 72="" =="" dba<="" td="">     Sourd amount of the sourd of</or>		2,549 lb	1156 kg
Joint diameter 3.00 in 76.2 mm Pipe diameter 2.50 in 63.5 mm Bend radius, min 130 ft 39.6 m Weight of drill pipe, lined 108 lb 49.0 kg Weight w/drill pipe & large box 5,430 lb 2463 kg Weight w/drill pipe & small box 2,740 lb 1243 kg Weight w/drill pipe & small box 2,740 lb 1243 kg <b>ATTERY (2 USED)</b> SAE reserve capacity rating 195 min SAE cold crank rating @ 0°F (-18°C) 950 amps <b>OISE LEVEL</b> Operator sound pressure per ISO 6394 w Cabl	LL TERRAIN PIPE		
Pipe diameter2.50 in63.5 mmBend radius, min130 ft39.6 mWeight of drill pipe, lined108 lb49.0 kgWeight w/drill pipe & large box5,430 lb2463 kgWeight w/drill pipe & small box2,740 lb1243 kgWeight w/drill pipe & small box2,740 lb1243 kgATTERY (2 USED)SAE reserve capacity rating195 minSAE cold crank rating @ 0°F [-18°C]950 ampsOISE LEEVELVer = 72 dBA	Length	120 in	3.05 m
Bend radius, min130 ft39.6 mWeight of drill pipe, lined108 lb49.0 kgWeight w/drill pipe & large box5,430 lb2463 kgWeight w/drill pipe & small box2,740 lb1243 kgKetter (2 USED)2,740 lb1243 kgSAE reserve capacity rating195 minSAE cold crank rating @ 0°F (-18°C)950 ampsOISE LEEVELOperator sound pressure per ISO 6394 (w/ Cab)	Joint diameter	3.00 in	76.2 mm
Weight of drill pipe, lined108 lb49.0 kgWeight w/drill pipe & large box (45 pipe)5,430 lb2463 kgWeight w/drill pipe & small box (20 pipe)2,740 lb1243 kgATTERY (2 USED)SAE reserve capacity rating195 minSAE cold crank rating @ 0°F (-18°C)950 ampsOISE LEVELOperator sound pressure per ISO 6394 (w/ Cab)< or = 72 dBA	Pipe diameter	2.50 in	63.5 mm
Weight w/drill pipe & large box [45 pipe]5,430 lb2463 kgWeight w/drill pipe & small box [20 pipe]2,740 lb1243 kgATTERY (2 USED)SAE reserve capacity rating195 minSAE cold crank rating @ 0°F (-18°C)950 ampsOISE LEVELOperator sound pressure per ISO 6394 (w/ Cab)< or = 72 dBA	Bend radius, min	130 ft	39.6 m
(45 pipe) 3,430 tb 2435 kg   Weight w/drill pipe & small box (20 pipe) 2,740 lb 1243 kg   ATTERY (2 USED)   SAE reserve capacity rating 195 min   SAE cold crank rating @ 0°F (-18°C) 950 amps   OISE LEVEL   Operator sound pressure per ISO 6394 (w/ Cab) < or = 72 dBA	Weight of drill pipe, lined	108 lb	49.0 kg
(20 pipe) 2,740 tb 1243 kg   ATTERY (2 USED)   SAE reserve capacity rating 195 min   SAE cold crank rating @ 0°F (-18°C) 950 amps   OISE LEVEL   Operator sound pressure per ISO 6394 (w/ Cab) < or = 72 dBA		5,430 lb	2463 kg
SAE reserve capacity rating 195 min   SAE cold crank rating @ 0°F [-18°C] 950 amps   OISE LEVEL   Operator sound pressure per ISO 6394 (w/ Cab) < or = 72 dBA		2,740 lb	1243 kg
SAE cold crank rating @ 0°F [-18°C] 950 amps OISE LEVEL Operator sound pressure per ISO 6394 < or = 72 dBA	ATTERY (2 USED)		
OISE LEVEL Operator sound pressure per ISO 6394 (w/ Cab) < or = 72 dBA	SAE reserve capacity rating	195 min	
Operator sound pressure per ISO 6394 < or = 72 dBA (w/ Cab)	SAE cold crank rating @ 0°F (-18°C)	950 amps	
(w/Cab)	OISE LEVEL		
Exterior sound power per ISO 6393 < or = 96 dBA		< or = 72 dBA	
	Exterior sound power per ISO 6393	< or = 96 dBA	

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown. \*Stability claim based on lab test of competitive equipment.



#### THE DITCH WITCH® HDD SYSTEM INCLUDES:









### HDD TOOLING

For your directional drill, we offer a complete line of genuine Ditch Witch drill bits, HD backreamers, drill pipe and beacon housings, the most reliable and durable in the horizontal directional drilling industry.

### **ELECTRONICS**

Subsite® Electronics HDD Guidance systems and our exclusive Field Scout<sup>™</sup> Mobile application give you a clear plan, more control, and faster reporting for safer, more productive jobs. By maximizing your time in the operator's seat, minimizing possible downtime due to underground strikes, and making the entire process from planning to reporting more efficient, Subsite Electronics HDD Guidance solutions help boost your bottom line.

#### **VACUUM EXCAVATORS**

Featuring an innovative, low-profile design that doesn't sacrifice power or ground clearance, our hydro excavation line of vacs delivers unrivaled versatility and performance.



## TRAINING

Your Ditch Witch HDD system comes with more than just equipment. It comes with the training to keep your crews confident and efficient, with courses online, in the classroom and even on the job from certified industry pros.

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