

MEDIUM HDD TOOLING

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MEDIUM HDD

D16x20, D16x20A, D18x22

Big productivity in a small package. The D16x20A with optional rod loader is an affordable, productive tool that allows you to complete a wide range of projects. It features the most power available in this size of system — It's self-contained and compact for easy access into tight spots. The **D18x22** is the first in its class to offer rack and pinion carriage drive. It packs 85HP, 2,200 ft. lbs. torque, and 18,000 lbs. pull-back in a 48" wide package.



See the **Tool Applications** section for usage recommendations.

DRIVE CHUCK

Part #	Description
235751001	FST I 1.9" (4.8 cm)
296255364	FST I 1.9" (4.8 cm) w/ SUB SAVER
296255352	SUB SAVER
247261985	TORQ-LOK



DRILL STEM

Part #	Description
230993001	FST I 1.9" x 10' (4.8 cm x 3.0 m)
249244001	UPSET GAUGE FST I 1.9"



STARTER ROD

Part #	Description
234840001	HEX 1.9" (4.8 cm) FST I
234827001	STD. HEX COLLAR
289273001	LONG HEX COLLAR w/ HOLE AND HARDFACE
4478003	CAPSCREW — .375" (1.0 cm)/16 x .375" (1.0 cm)
280417001	SPL I 3" (8 cm) x 1.9" (4.8 cm) FST I
296260217	SPL II 3.5" (8.9 cm) x 1.9" (4.8 cm) FST I
240591001	CAPSCREW — .50" (1.3 cm)/13 x .50" (1.3 cm)
281393001	1 3/8 x 5/8 x 3/8 SEAL WASHER FOR HEX COLLAR STARTER RODS (Do not use with tri hawk drill heads.)
280461001	O-RING — 3.0 SPLINELOK
280462001	O-RING — 3.5 SPLINELOK



STANDARD DRILL HEADS

Part #	Description
226638001	HEX 3" (8 cm) — DIRT
284943001	HEX 3" (8 cm) SUBSITE SONDE — DIRT
234837001	HEX END-LOAD — DIRT
280398001	SPL I 3" (8 cm) — DIRT
296255553	SPL II 3.5" (8.9 cm) — DIRT
296255579	3.5" 2.375 API REG. BOX — DIRT
296255554	O-RING 2.125"



ROD RECYCLER

Part #	Description
246951001	FST I 1.9" (4.8 cm)



TRIHAWK DRILL HEAD ASSEMBLY

Part #	Description
289250001	HEX TRIHAWK I
289305001	HEX TRIHAWK II
284965001	HEX TRIHAWK III
296260157	TRIHAWK I SUB SITE HOUSING 2.12 LPT (P)
296260158	TRIHAWK II SUB SITE HOUSING 2.12 LPT (P)
296260152	TRIHAWK III SUB SITE HOUSING 2.12 LPT (P)
289311001	SPL II 3.5" (8.9 cm) TRIHAWK I
289318001	SPL II 3.5" (8.9 cm) TRIHAWK II
284969001	SPL II 3.5" (8.9 cm) TRIHAWK III

TRIHAWK REPLACEMENT HOUSING

Part #	Description
284966001	TRIHAWK SONDE HOUSING 2.12 LPT HEX (P) (INCLUDES DOOR AND PUNCH KIT)
296260176	TRIHAWK SUB SITE HOUSING 2 3/8" API / REG (B)

TRIHAWK BITS

Part #	Description
284950001	TRIHAWK I BIT ASSEMBLY
289306001	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284967001	TRIHAWK III BIT ASSEMBLY
296260206	TRIHAWK IV BIT
296260210	TRIHAWK V BIT

TRIHAWK TEETH & ACCESSORIES

Part #	Description
251824001	TRIHAWK I SHORT TOOTH
251825001	TRIHAWK I MEDIUM TOOTH
251839001	TRIHAWK I LONG TOOTH
289308001	TRIHAWK II BIT
251872001	TRIHAWK II TOOTH
280416001	TRIHAWK II BIT ROLL PINS — .5" x 1.25" (1.3 cm x 3.2 cm)
284968001	TRIHAWK III TOOTH
296260195	TRIHAWK III PULLBACK PIN KIT
296257835	TRIHAWK DIRT BIT ADAPTER
289403001	HEX 2.125" (5.4 cm) LPT PIN 2.375" (6.0 cm) API REG (P) SUB
289417001	SPLK II 3.5" (8.9 cm) BOX X 2.375" (6.0 cm) API REG (P) SUB
296267649	DW1720 (P) X 2.375 FST II ADAPTER
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" x 2.38" (1.6 cm x 6.0 cm)
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS
251823001	SPLINELOK I 3" (8 cm) JOINT ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm)
296257842	SPLINELOK II 3.5" (8.9 cm) JOINT ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm) SET OF 8 PCS
296255530	SPLINELOK II 3.5" (8.9 cm) JOINT SOLID PINS — .688" x 3.25" (1.7 cm x 8.3 cm)



MEDIUM HDD

D24x26

Complete longer bores productively. The D24x26 with rod loader is a rugged, midsize horizontal directional drilling machine that combines the power and features needed to complete longer bores efficiently. The D24x26 boasts a large stem carrying capacity of 600' (182.3 m), 2600 ft-lb (3520 Nm) of torque and a variable-flow onboard water pump.



See the Tool Applications section for usage recommendations.

DRIVE CHUCK		
Part #	Description	
240932001	FST I 2.06" (5.2 cm) w/ SUB SAVER	<p>DRIVE CHUCK TORQ-LOK SUB SAVER</p>
249137001	FST I 2.06" (5.2 cm) SUB SAVER	
247261985	TORQ-LOK	
DRILL STEM		
Part #	Description	
221628001	FST I 2.06" x 10' (5.2 cm x 3.0 m)	<p>FIRESTICK DRILL STEM UPSET GAUGES</p>
249245001	UPSET GAUGE	
STARTER ROD		
Part #	Description	
250658001	HEX 2.06" (5.2 cm) FST I	<p>STARTER ROD HEX COLLARS SPLINELOK I SPLINELOK II</p>
234827001	STD. HEX COLLAR	
289273001	LONG HEX COLLAR w/ HOLE AND HARDFACE	
4478003	CAPSCREW — .375" (1.0 cm)/16 x .375" (1.0 cm)	
280426001	SPL I 3" (8 cm) x 2.06" (5.2 cm) FST I	
296260227	SPL II 3.5" (8.9 cm) x 2.06" (5.2 cm) FST I	
280461001	O-RING — 3.0 SPLINELOK	
280462001	O-RING — 3.5 SPLINELOK	
240591001	CAPSCREW — .50" (1.3 cm)/13 x .50" (1.3 cm)	
281393001	1 3/8 x 5/8 x 3/8 SEAL WASHER FOR HEX COLLAR STARTER RODS (Do not use with tri hawk drill heads.)	
STANDARD DRILL HEADS		
Part #	Description	
226638001	HEX 3" (8 cm) — DIRT	<p>DIRT HEAD</p>
284943001	HEX 3" (8 cm) SUBSITE SONDE — DIRT	
234837001	HEX END-LOAD — DIRT	
280398001	SPL I 3" (8 cm) — DIRT	
296255553	SPL II 3.5" (8.9 cm) — DIRT	
296255579	3.5" 2.375 API BOX REG. — DIRT	
296255554	O-RING 2.125"	
ROD RECYCLER		
Part #	Description	
246947001	FST I 2.06" (5.2 cm)	<p>ROD RECYCLER</p>
246951001	FST I 1.9" (4.8 cm)	

TRIHAWK DRILL HEAD ASSEMBLY

Part #	Description
289250001	HEX TRIHAWK I
289305001	HEX TRIHAWK II
284965001	HEX TRIHAWK III
296260157	TRIHAWK I SUB SITE HOUSING 2.12 LPT (P)
296260158	TRIHAWK II SUB SITE HOUSING 2.12 LPT (P)
296260152	TRIHAWK III SUB SITE HOUSING 2.12 LPT (P)
289311001	SPL II 3.5" (8.9 cm) TRIHAWK I
289318001	SPL II 3.5" (8.9 cm) TRIHAWK II
284969001	SPL II 3.5" (8.9 cm) TRIHAWK III

TRIHAWK REPLACEMENT HOUSING

Part #	Description
284966001	TRIHAWK SONDE HOUSING 2.12 LPT HEX (P) (INCLUDES DOOR AND PUNCH KIT)
296260176	TRIHAWK SUB SITE HOUSING 2 3/8" API / REG (B)

TRIHAWK BITS

Part #	Description
284950001	TRIHAWK I BIT ASSEMBLY
289306001	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284967001	TRIHAWK III BIT ASSEMBLY
296260206	TRIHAWK IV BIT
296260210	TRIHAWK V BIT

TRIHAWK TEETH & ACCESSORIES

Part #	Description
251824001	TRIHAWK I SHORT TOOTH
251825001	TRIHAWK I MEDIUM TOOTH
251839001	TRIHAWK I LONG TOOTH
289308001	TRIHAWK II BIT
251872001	TRIHAWK II TOOTH
280416001	TRIHAWK II BIT ROLL PINS — .5" x 1.25" (1.3 cm x 3.2 cm)
284968001	TRIHAWK III TOOTH
296260195	TRIHAWK III PULLBACK PIN KIT
296257835	TRIHAWK DIRT BIT ADAPTER
289403001	HEX 2.125" (5.4 cm) LPT PIN 2.375" (6.0 cm) API REG (P) SUB
289417001	SPLK II 3.5" (8.9 cm) BOX X 2.375" (6.0 cm) API REG (P) SUB
296267649	DW1720 (P) X 2.375 FST II ADAPTER
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" x 2.38" (1.6 cm x 6.0 cm)
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS
251823001	SPLINELOK I 3" (8 cm) JOINT ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm)
296257842	SPLINELOK II 3.5" (8.9 cm) JOINT ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm) SET OF 8 PCS
296255530	SPLINELOK II 3.5" (8.9 cm) JOINT SOLID PINS — .688" x 3.25" (1.7 cm x 8.3 cm)



MEDIUM HDD

D24x33

The versatility needed to complete a wide range of jobs. With an innovative rack-and-pinion drive system and a compact 58.5" (148.6 cm) width, the D24x33 is specially designed for working on small- to medium-diameter HDD projects. With its small footprint, the D24x33 is excellent for use in urban areas. It excels on projects that include easement work, road crossings and creek crossings.



See the Tool Applications section for usage recommendations.

DRIVE CHUCK		
Part #	Description	
284182001	FST II 2.06" (5.2 cm) w/ SUB SAVER	<p>DRIVE CHUCK</p> <p>TORQ-LOK</p> <p>SUB SAVER</p>
276497001	FST II 2.06" (5.2 cm) SUB SAVER	
247261985	TORQ-LOK	
DRILL STEM		
Part #	Description	
281600001	FST II 2.06" (5.2 cm)	<p>FIRESTICK DRILL STEM</p> <p>UPSET GAUGES</p>
290537001	UPSET GAUGE, FST II 2.06" (5.2 cm)	
STARTER ROD		
Part #	Description	
284181001	HEX 2.06" (5.2 cm) FST II	<p>STARTER ROD</p> <p>HEX COLLARS</p> <p>SPLINELOK II</p>
234827001	STD. HEX COLLAR	
289273001	LONG HEX COLLAR w/ HOLE AND HARDFACE	
4478003	CAPSCREW — .375" (1.0 cm)/16 x .375" (1.0 cm)	
240591001	CAPSCREW — .50" (1.3 cm)/13 x .50" (1.3 cm)	
281393001	1 3/8 x 5/8 x 3/8 SEAL WASHER FOR HEX COLLAR STARTER RODS (Do not use with tri hawk drill heads.)	
289398001	SPL II 3.5" (8.9 cm) x 2.06" (5.2 cm) FST II	
280462001	O-RING — 3.5 SPLINELOK	
STANDARD DRILL HEADS		
Part #	Description	
226638001	HEX 3" (8 cm) — DIRT	<p>DIRT HEAD</p>
284943001	HEX 3" (8 cm) SUBSITE SONDE — DIRT	
234837001	HEX END-LOAD — DIRT	
296255553	SPL II 3.5" (8.9 cm) — DIRT	
296255579	3.5" 2.375 API REG. BOX — DIRT	
296255554	O-RING 2.125"	
ROD RECYCLER		
Part #	Description	
284095001	FST II 2.06" (5.2 cm)	<p>ROD RECYCLER</p>

TRIHAWK DRILL HEADS

Part #	Description
284249001	HEX TRIHAWK I END-LOAD
296255360	HEX TRIHAWK I
289327001	HEX TRIHAWK II
284970001	HEX TRIHAWK III
296257837	TRIHAWK I SUB SITE HOUSING 2.12 LPT (P)
296257839	TRIHAWK I SUB SITE HOUSING 350 SPL II (B)
296260153	TRIHAWK III SUB SITE HOUSING 2.12 LPT (P)
296260154	TRIHAWK III SUB SITE HOUSING 350 SPL II (B)
289311001	SPL II 3.5" (8.9 cm) TRIHAWK I
289318001	SPL II 3.5" (8.9 cm) TRIHAWK II
284969001	SPL II 3.5" (8.9 cm) TRIHAWK III

TRIHAWK REPLACEMENT HOUSING

Part #	Description
286664001	TRIHAWK END-LOAD HEAD BIT SUB
296260177	TRIHAWK SUB SITE HOUSING 2 3/8" API/REG (B)
296257840	TRIHAWK SONDE HOUSING 2.375 API/REG (B) (INCLUDES DOOR & PUNCH KIT)

TRIHAWK BIT ASSEMBLY

Part #	Description
284951001	TRIHAWK I BIT ASSEMBLY
284178001	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284973001	TRIHAWK III BIT ASSEMBLY
296257841	TRIHAWK IV BIT ASSEMBLY
296260211	TRIHAWK V BIT ASSEMBLY

TRIHAWK TEETH & ACCESSORIES

Part #	Description
251871001	TRIHAWK I MEDIUM TOOTH
251872001	TRIHAWK I LONG TOOTH
286550001	TRIHAWK I EXTRA-LONG/SMALL NOSE TOOTH
284177001	TRIHAWK II BIT
251887001	TRIHAWK II TOOTH
280416001	TRIHAWK II BIT ROLL PINS — .5" x 1.25" (1.3 cm x 3.2 cm)
284975001	TRIHAWK III TOOTH
296260180	TRIHAWK III PULLBACK PIN KIT
251817001	TRIHAWK V BIT-MOUNT ROLL PINS — .5" x 2.125" (1.3 cm x 5.4 cm)
280407001	TRIHAWK DIRT BIT ADAPTER
296257832	TRIHAWK 2.375" (6.0 cm) A.P.I. REG BOX FRONT BIT SUB
296257831	TRIHAWK 2.875" (7.3 cm) A.P.I. REG BOX FRONT BIT SUB
251823001	TRIHAWK BIT-MOUNT ROLL PINS (EXCEPT TRIHAWK V) — .5" x 2.5" (1.3 cm x 6.4 cm)
289403001	HEX 2.125" (5.4 cm) LPT PINS 2.375" (6.0 cm) A.P.I. REG PIN-CONNECTION SUB
289417001	SPLINELOK II 3.5" (8.9 cm) BOX x 2.375" (6.0 cm) A.P.I. REG PIN-CONNECTION SUB



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MEDIUM HDD

D24x33

TRIHAWK TEETH & ACCESSORIES (continued)

<i>Part #</i>	<i>Description</i>
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" x 2.38" (1.6 cm x 6.0 cm)
296257842	SPLINELOK II 3.5" (8.9 cm) JOINT ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm) SET OF 8 PCS
296255530	SPLINELOK II 3.5" (8.9 cm) JOINT SOLID PINS — .688" x 3.25" (1.7 cm x 8.3 cm) SET OF 8 PCS
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS

More torque, fewer stuck bores. The D24x40A with rod loader is designed to fit a long list of productivity-enhancing features into a compact, maneuverable machine. Operating the D24x40A is made easier with the optional stationary stakedown system. Everything from the rack, power pack, water pump and 500' (152.4 m) of Vermeer FIRESTICK one-piece drill stem is self-contained in a sturdy 16.9' (5.2 m) frame.



See the Tool Applications section for usage recommendations.

DRIVE CHUCK		
Part #	Description	
230980001	S/N# 383 AND BELOW: FST I 2.375" (6.0 cm) - includes sub saver	<p>DRIVE CHUCK</p> <p>TORQ-LOK</p> <p>SUB SAVER</p>
230945001	S/N# 383 AND BELOW: FST I 2.375" (6.0 cm) SUB SAVER	
249169001	S/N# 384 AND ABOVE: FST I 2.375" (6.0 cm) - includes sub saver	
249166001	S/N# 384 AND ABOVE: FST I 2.375" (6.0 cm) SUB SAVER	
247261985	TORQ-LOK	
DRILL STEM		
Part #	Description	
222276001	FST I 2.375" (6.0 cm) x 10' (3.0 m)	<p>FIRESTICK DRILL STEM</p> <p>UPSET GAUGES</p>
249187001	UPSET GAUGE, FST I 2.375" (6.0 cm)	
STARTER ROD		
Part #	Description	
234826001	HEX 2.38" (6.0 cm) FST I	<p>STARTER ROD</p> <p>HEX COLLARS</p> <p>SPLINELOK I</p> <p>SPLINELOK II</p>
234827001	STD. HEX COLLAR	
289273001	LONG HEX COLLAR w/ HOLE AND HARDFACE	
4478003	CAPSCREW — .375" (1.0 cm)/16 x .375" (1.0 cm)	
240591001	CAPSCREW — .50" (1.3 cm)/13 x .50" (1.3 cm)	
281393001	1 3/8 x 5/8 x 3/8 SEAL WASHER FOR HEX COLLAR STARTER RODS (Do not use with tri hawk drill heads.)	
280420001	SPL I 3.5" (8.9 cm) x 2.38" (6.0 cm) FST I	
284957001	SPL II 3.5" (8.9 cm) x 2.38" (6.0 cm) FST I	
280462001	O-RING — 3.5 SPLINELOK	
STANDARD DRILL HEADS		
Part #	Description	
226638001	HEX 3" (7.6 cm) — DIRT	<p>DIRT HEAD</p>
284943001	HEX 3" (7.6 cm) SUBSITE SONDE — DIRT	
234837001	HEX END-LOAD — DIRT	
284249001	HEX TRIHAWK I END-LOAD	
280419001	SPL I 3.5" (8.9 cm) DIRT	
296255553	SPL II 3.5" (8.9 cm) — DIRT	
296255579	3.5" 2.375 API REG. BOX — DIRT	
296255554	O-RING 2.125"	

ORDER TODAY! CALL 1-866-VERMEER

MEDIUM HDD

D24x40, D24x40a

UNIVERSAL HOUSING 2.375" API (3.5" OUTSIDE DIAMETER)

NEW!

<i>Part #</i>	<i>Description</i>
296257937	2.375" (6.05 cm) API REG UNIVERSAL SONDE HOUSING
296257756	2.375" (6.05 cm) API REG DIRT BIT ADAPTER
296263876	2.375" (6.05 cm) API REG (P) X TRIHAWK (P) ADAPTER
296268785	2.375" (6.05 cm) API REG SEWER DRILL HEAD CONVERSION KIT
296260248	2.375" (6.05 cm) API REG SEWER BIT ASSY
296257764	TRANSMITTER PITCH ADJUSTMENT BLOCK ASSY



ROD RECYCLER

<i>Part #</i>	<i>Description</i>
246952001	FST 2.38" (6.0 cm)



ROD RECYCLER

TRIHAWK DRILL HEADS

Part #	Description
284249001	HEX TRIHAWK I END-LOAD
296255360	HEX TRIHAWK I
289327001	HEX TRIHAWK II
284970001	HEX TRIHAWK III
296257837	TRIHAWK I SUB SITE HOUSING 2.12 LPT (P)
296257839	TRIHAWK I SUB SITE HOUSING 350 SPL II (B)
296260153	TRIHAWK III SUB SITE HOUSING 2.12 LPT (P)
296260154	TRIHAWK III SUB SITE HOUSING 350 SPL II (B)
289311001	SPL II 3.5" (8.9 cm) TRIHAWK I
289318001	SPL II 3.5" (8.9 cm) TRIHAWK II
284969001	SPL II 3.5" (8.9 cm) TRIHAWK III

TRIHAWK REPLACEMENT HOUSING

Part #	Description
286664001	TRIHAWK END-LOAD HEAD BIT SUB
296260177	TRIHAWK SUB SITE HOUSING 2 3/8" API/REG (B)
296257840	TRIHAWK SONDE HOUSING 2.375 API/REG (B) (INCLUDES DOOR & PUNCH KIT)

TRIHAWK BIT ASSEMBLY

Part #	Description
284951001	TRIHAWK I BIT ASSEMBLY
284178001	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284973001	TRIHAWK III BIT ASSEMBLY
296257841	TRIHAWK IV BIT ASSEMBLY
296260211	TRIHAWK V BIT ASSEMBLY

TRIHAWK TEETH & ACCESSORIES

Part #	Description
251871001	TRIHAWK I MEDIUM TOOTH
251872001	TRIHAWK I LONG TOOTH
286550001	TRIHAWK I EXTRA-LONG/SMALL NOSE TOOTH
284177001	TRIHAWK II BIT
251887001	TRIHAWK II TOOTH
280416001	TRIHAWK II BIT ROLL PINS — .5" x 1.25" (1.3 cm x 3.2 cm)
284975001	TRIHAWK III TOOTH
296260180	TRIHAWK III PULLBACK PIN KIT
251817001	TRIHAWK V BIT-MOUNT ROLL PINS — .5" x 2.125" (1.3 cm x 5.4 cm)
280407001	TRIHAWK DIRT BIT ADAPTER
296257832	TRIHAWK 2.375" (6.0 cm) A.P.I. REG BOX FRONT BIT SUB
296257831	TRIHAWK 2.875" (7.3 cm) A.P.I. REG BOX FRONT BIT SUB
251823001	TRIHAWK BIT-MOUNT ROLL PINS (EXCEPT TRIHAWK V) — .5" x 2.5" (1.3 cm x 6.4 cm)
289403001	HEX 2.125" (5.4 cm) LPT PINS 2.375" (6.0 cm) A.P.I. REG PIN-CONNECTION SUB
289417001	SPLINELOK II 3.5" (8.9 cm) BOX x 2.375" (6.0 cm) A.P.I. REG PIN-CONNECTION SUB



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MEDIUM HDD

D24x40, D24x40a

TRIHAWK TEETH & ACCESSORIES (continued)

<i>Part #</i>	<i>Description</i>
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" x 2.38" (1.6 cm x 6.0 cm)
296257842	SPLINELOK II 3.5" (8.9 cm) JOINT ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm) SET OF 8 PCS
296255530	SPLINELOK II 3.5" (8.9 cm) JOINT SOLID PINS — .688" x 3.25" (1.7 cm x 8.3 cm) SET OF 8 PCS
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS

Designed to do the job. The D33x44 NAVIGATOR unit is a compact HDD designed for a wide range of medium-diameter, mid- to long-distance applications, including easement work, and road, river and creek crossings. The D33x44 utilizes a unique rack-and-pinion drive system and offers three-speed rotational operation for varying ground conditions and backreamers. The operator station offers electric-over-hydraulic thrust and rotation controls that incorporate the breakout system, fluid pump, throttle and other machine functions.



See the Tool Applications section for usage recommendations.

DRIVE CHUCK		
Part #	Description	
284142001	FST II 2.375" (6.0 cm) w/ SUB SAVER	<p>DRIVE CHUCK</p> <p>TORQ-LOK</p> <p>SUB SAVER</p>
284144001	FST II 2.375" (6.0 cm) SUB SAVER	
247261985	TORQ-LOK	
DRILL STEM		
Part #	Description	
294566001	FST II 2.375" (6.0 cm) x 10' (3.0 m)	<p>FIRESTICK DRILL STEM</p>
284153001	FST II 2.375" (6.0 cm) x 15' (4.6 m)	
294642001	FST II 2.625" (6.7 cm) x 15' (4.6 m)	<p>UPSET GAUGES</p>
290535001	UPSET GAUGE, 2.38"/2.63" (6.0 cm/6.7 cm)	
STARTER ROD		
Part #	Description	
284148001	HEX 2.38" (6.0 cm) FST II	<p>STARTER ROD</p> <p>HEX COLLARS</p> <p>SPLINELOK I</p> <p>SPLINELOK II</p>
234827001	STD. HEX COLLAR	
289273001	LONG HEX COLLAR w/ HOLE AND HARDFACE	
4478003	CAPSCREW — .375" (1.0 cm)/16 x .375" (1.0 cm)	
284146001	SPL I 3.5" (8.9 cm) x 2.38" (6.0 cm) FST II	
284958001	SPL II 3.5"(8.9 cm) x 2.38" (6.0 cm) FST II	
240591001	CAPSCREW — .50" (1.3 cm)/13 x .50" (1.3 cm)	
281393001	1 3/8 x 5/8 x 3/8 SEAL WASHER FOR HEX COLLAR STARTER RODS (Do not use with TriHawk drill heads.)	
280462001	O-RING — 3.5 SPLINELOK	
STANDARD DRILL HEADS		
Part #	Description	
226638001	HEX 3" (7.6 cm) — DIRT	<p>DIRT HEAD</p>
284943001	HEX 3" (7.6 cm) SUBSITE SONDE — DIRT	
234837001	HEX END-LOAD — DIRT	
280419001	SPL I 3.5" (8.9 cm) DIRT	
296255553	SPL II 3.5" (8.9 cm) — DIRT	
296255579	3.5" 2.375 API REG. BOX — DIRT	
296255554	O-RING 2.125"	

ORDER TODAY! CALL 1-866-VERMEER

MEDIUM HDD

D33x44

UNIVERSAL HOUSING 2.375" API (3.5" OUTSIDE DIAMETER)

NEW!

<i>Part #</i>	<i>Description</i>
296257937	2.375" (6.05 cm) API REG UNIVERSAL SONDE HOUSING
296257756	2.375" (6.05 cm) API REG DIRT BIT ADAPTER
296263876	2.375" (6.05 cm) API REG (P) X TRIHAWK (P) ADAPTER
296268785	2.375" (6.05 cm) API REG SEWER DRILL HEAD CONVERSION KIT
296260248	2.375" (6.05 cm) API REG SEWER BIT ASSY
296257764	TRANSMITTER PITCH ADJUSTMENT BLOCK ASSY



ROD RECYCLER

<i>Part #</i>	<i>Description</i>
284147001	FST II 2.38" (6.0 cm)



ROD RECYCLER

TRIHAWK DRILL HEADS

Part #	Description
284249001	HEX TRIHAWK I END-LOAD
296255360	HEX TRIHAWK I
289327001	HEX TRIHAWK II
284970001	HEX TRIHAWK III
296257837	TRIHAWK I SUB SITE HOUSING 2.12 LPT (P)
296257839	TRIHAWK I SUB SITE HOUSING 350 SPL II (B)
296260153	TRIHAWK III SUB SITE HOUSING 2.12 LPT (P)
296260154	TRIHAWK III SUB SITE HOUSING 350 SPL II (B)
289311001	SPL II 3.5" (8.9 cm) TRIHAWK I
289318001	SPL II 3.5" (8.9 cm) TRIHAWK II
284969001	SPL II 3.5" (8.9 cm) TRIHAWK III

TRIHAWK REPLACEMENT HOUSING

Part #	Description
286664001	TRIHAWK END-LOAD HEAD BIT SUB
296260177	TRIHAWK SUB SITE HOUSING 2 3/8" API/REG (B)
296257840	TRIHAWK SONDE HOUSING 2.375 API/REG (B) (INCLUDES DOOR & PUNCH KIT)

TRIHAWK BIT ASSEMBLY

Part #	Description
284951001	TRIHAWK I BIT ASSEMBLY
284178001	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284973001	TRIHAWK III BIT ASSEMBLY
296257841	TRIHAWK IV BIT ASSEMBLY
296260211	TRIHAWK V BIT ASSEMBLY

TRIHAWK TEETH & ACCESSORIES

Part #	Description
251871001	TRIHAWK I MEDIUM TOOTH
251872001	TRIHAWK I LONG TOOTH
286550001	TRIHAWK I EXTRA-LONG/SMALL NOSE TOOTH
284177001	TRIHAWK II BIT
251887001	TRIHAWK II TOOTH
280416001	TRIHAWK II BIT ROLL PINS — .5" x 1.25" (1.3 cm x 3.2 cm)
284975001	TRIHAWK III TOOTH
296260180	TRIHAWK III PULLBACK PIN KIT
251817001	TRIHAWK V BIT-MOUNT ROLL PINS — .5" x 2.125" (1.3 cm x 5.4 cm)
280407001	TRIHAWK DIRT BIT ADAPTER
296257832	TRIHAWK 2.375" (6.0 cm) A.P.I. REG BOX FRONT BIT SUB
296257831	TRIHAWK 2.875" (7.3 cm) A.P.I. REG BOX FRONT BIT SUB
251823001	TRIHAWK BIT-MOUNT ROLL PINS (EXCEPT TRIHAWK V) — .5" x 2.5" (1.3 cm x 6.4 cm)
289403001	HEX 2.125" (5.4 cm) LPT PINS 2.375" (6.0 cm) A.P.I. REG PIN-CONNECTION SUB
289417001	SPLINELOK II 3.5" (8.9 cm) BOX x 2.375" (6.0 cm) A.P.I. REG PIN-CONNECTION SUB



ORDER TODAY! CALL 1-866-VERMEER

MEDIUM HDD

D33X44

TRIHAWK TEETH & ACCESSORIES (continued)

<i>Part #</i>	<i>Description</i>
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" x 2.38" (1.6 cm x 6.0 cm)
296257842	SPLINELOK II 3.5" (8.9 cm) JOINT ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm) SET OF 8 PCS
296255530	SPLINELOK II 3.5" (8.9 cm) JOINT SOLID PINS — .688" x 3.25" (1.7 cm x 8.3 cm) SET OF 8 PCS
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS

Tackle tougher bores with greater efficiency. To tackle longer, tougher bores, you need the D40x40 NAVIGATOR horizontal directional drill. The D40x40 with rod loader features an optional NAVTEC® computer-aided steering system, a heavy-duty undercarriage, the stationary stakedown system and a 750' (228.6 m) onboard drill stem capacity. Three-speed rotational operation allows the operator to match torque and rotational speed to soil conditions and backreamer size.



See the Tool Applications section for usage recommendations.

DRIVE CHUCK		
Part #	Description	
244493001	FST I 2.375" (6.0 cm) w/ SUB SAVER	<p>DRIVE CHUCK</p> <p>TORQ-LOK</p> <p>SUB SAVER</p>
244492001	FST I 2.375" (6.0 cm) SUB SAVER	
247261985	TORQ-LOK	
DRILL STEM		
Part #	Description	
222455001	FST I 2.375" (6.0 cm) x 15' (4.6 m)	<p>FIRESTICK DRILL STEM</p> <p>UPSET GAUGES</p>
249187001	UPSET GAUGE, FST I 2.38" (6.0 cm)	
STARTER ROD		
Part #	Description	
234826001	HEX 2.38" (6.0 cm) FST II	<p>STARTER ROD</p> <p>HEX COLLARS</p> <p>SPLINELOK I</p> <p>SPLINELOK II</p>
234827001	STD. HEX COLLAR	
289273001	LONG HEX COLLAR w/ HOLE AND HARDFACE	
4478003	CAPSCREW — .375" (1.0 cm)/16 x .375" (1.0 cm)	
280420001	SPL I 3.5" (8.9 cm) x 2.38" (6.0 cm) FST I	
284957001	SPL II 3.5"(8.9 cm) x 2.38" (6.0 cm) FST I	
240591001	CAPSCREW — .50" (1.3 cm)/13 x .50" (1.3 cm)	
281393001	1 3/8 x 5/8 x 3/8 SEAL WASHER FOR HEX COLLAR STARTER RODS (Do not use with tri hawk drill heads.)	
280462001	O-RING — 3.5 SPLINELOK	
STANDARD DRILL HEADS		
Part #	Description	
226638001	HEX 3" (8 cm) — DIRT	<p>DIRT HEAD</p>
284943001	HEX 3" (8 cm) SUBSITE SONDE — DIRT	
234837001	HEX END-LOAD — DIRT	
280419001	SPL I 3.5" (8.9 cm) DIRT	
296255553	SPL II 3.5" (8.9 cm) — DIRT	
296255579	3.5" 2.375 API REG. BOX — DIRT	
296255554	O-RING 2.125"	

ORDER TODAY! CALL 1-866-VERMEER

MEDIUM HDD

D40X40

UNIVERSAL HOUSING 2.375" API (3.5" OUTSIDE DIAMETER)

NEW!

<i>Part #</i>	<i>Description</i>
296257937	2.375" (6.05 cm) API REG UNIVERSAL SONDE HOUSING
296257756	2.375" (6.05 cm) API REG DIRT BIT ADAPTER
296263876	2.375" (6.05 cm) API REG (P) X TRIHAWK (P) ADAPTER
296268785	2.375" (6.05 cm) API REG SEWER DRILL HEAD CONVERSION KIT
296260248	2.375" (6.05 cm) API REG SEWER BIT ASSY
296257764	TRANSMITTER PITCH ADJUSTMENT BLOCK ASSY



ROD RECYCLER

<i>Part #</i>	<i>Description</i>
246952001	FST 2.38" (6.0 cm)



ROD RECYCLER

TRIHAWK DRILL HEADS

Part #	Description
284249001	HEX TRIHAWK I END-LOAD
296255360	HEX TRIHAWK I
289327001	HEX TRIHAWK II
284970001	HEX TRIHAWK III
296257837	TRIHAWK I SUB SITE HOUSING 2.12 LPT (P)
296257839	TRIHAWK I SUB SITE HOUSING 350 SPL II (B)
296260153	TRIHAWK III SUB SITE HOUSING 2.12 LPT (P)
296260154	TRIHAWK III SUB SITE HOUSING 350 SPL II (B)
289311001	SPL II 3.5" (8.9 cm) TRIHAWK I
289318001	SPL II 3.5" (8.9 cm) TRIHAWK II
284969001	SPL II 3.5" (8.9 cm) TRIHAWK III

TRIHAWK REPLACEMENT HOUSING

Part #	Description
286664001	TRIHAWK END-LOAD HEAD BIT SUB
296260177	TRIHAWK SUB SITE HOUSING 2 3/8" API/REG (B)
296257840	TRIHAWK SONDE HOUSING 2.375 API/REG (B) (INCLUDES DOOR & PUNCH KIT)

TRIHAWK BIT ASSEMBLY

Part #	Description
284951001	TRIHAWK I BIT ASSEMBLY
284178001	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284973001	TRIHAWK III BIT ASSEMBLY
296257841	TRIHAWK IV BIT ASSEMBLY
296260211	TRIHAWK V BIT ASSEMBLY

TRIHAWK TEETH & ACCESSORIES

Part #	Description
251871001	TRIHAWK I MEDIUM TOOTH
251872001	TRIHAWK I LONG TOOTH
286550001	TRIHAWK I EXTRA-LONG/SMALL NOSE TOOTH
284177001	TRIHAWK II BIT
251887001	TRIHAWK II TOOTH
280416001	TRIHAWK II BIT ROLL PINS — .5" x 1.25" (1.3 cm x 3.2 cm)
284975001	TRIHAWK III TOOTH
296260180	TRIHAWK III PULLBACK PIN KIT
251817001	TRIHAWK V BIT-MOUNT ROLL PINS — .5" x 2.125" (1.3 cm x 5.4 cm)
280407001	TRIHAWK DIRT BIT ADAPTER
296257832	TRIHAWK 2.375" (6.0 cm) A.P.I. REG BOX FRONT BIT SUB
296257831	TRIHAWK 2.875" (7.3 cm) A.P.I. REG BOX FRONT BIT SUB
251823001	TRIHAWK BIT-MOUNT ROLL PINS (EXCEPT TRIHAWK V) — .5" x 2.5" (1.3 cm x 6.4 cm)
289403001	HEX 2.125" (5.4 cm) LPT PINS 2.375" (6.0 cm) A.P.I. REG PIN-CONNECTION SUB
289417001	SPLINELOK II 3.5" (8.9 cm) BOX x 2.375" (6.0 cm) A.P.I. REG PIN-CONNECTION SUB



ORDER TODAY! CALL 1-866-VERMEER

MEDIUM HDD

D40X40

TRIHAWK TEETH & ACCESSORIES (continued)

<i>Part #</i>	<i>Description</i>
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" x 2.38" (1.6 cm x 6.0 cm)
296257842	SPLINELOK II 3.5" (8.9 cm) JOINT ROLL PINS — .5" x 2.5" (1.3 cm x 6.4 cm) SET OF 8 PCS
296255530	SPLINELOK II 3.5" (8.9 cm) JOINT SOLID PINS — .688" x 3.25" (1.7 cm x 8.3 cm) SET OF 8 PCS
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS

ORDER TODAY! CALL 1-866-VERMEER

BOLT-ON, PLATE-STYLE FOR STD./DIRT HEADS

Part #	Description
296255326	STD. DIRT 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255327	STD. DIRT 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255328	STD. DIRT 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL
246740001	HARDFACED ECONO BIT 4" x 11.64" (10 cm x 29.6 cm) — .75" (1.9 cm) CAST STEEL
246741001	HARDFACED ECONO BIT 4.5" x 11.64" (11.4 cm x 29.6 cm) — .75" (1.9 cm) CAST STEEL
246742001	HARDFACED 5" X 11.64" (13 cm x 29.6 cm) — ECONO BIT .75" (1.9 cm) CAST STEEL
296255337	HARDFACED 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255338	HARDFACED 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255339	HARDFACED 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255331	QUICK SHOT 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255332	QUICK SHOT 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255333	QUICK SHOT 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255334	QUICK SHOT HARDFACED 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255335	QUICK SHOT HARDFACED 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255336	QUICK SHOT HARDFACED 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255584	DOUBLE CHEVRON II 4" x 12" (10 cm x 30 cm) — 1" (3 cm) CAST STEEL
296255585	DOUBLE CHEVRON II 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) CAST STEEL
235187001	SHARK 3.5" x 11.29" (8.9 cm x 28.7 cm) — .75" (1.9 cm) CAST STEEL
235190001	SHARK 4" x 11.29" (10 cm x 28.7 cm) — .75" (1.9 cm) CAST STEEL
235193001	SHARK 4.5" x 11.29" (11.4 cm x 28.7 cm) — .75" (1.9 cm) CAST STEEL
235196001	SHARK 5" x 11.41" (12.7 cm x 29.0 cm) — .75" (1.9 cm) CAST STEEL
289372001	VCT 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
289373001	VCT 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
289374001	VCT 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255746	VCT — w/ HOLE 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255747	VCT — w/ HOLE 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255748	VCT — w/ HOLE 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL



STANDARD



QUICK-SHOT



STANDARD HARDFACED



CHEVRON II



SHARK



VCT W/ HOLE

MEDIUM HDD

BITS

BOLT-ON, PLATE-STYLE FOR STD./DIRT HEADS (continued)

<i>Part #</i>	<i>Description</i>
289378001	VCP 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
289379001	VCP 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
289380001	VCP 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255734	VCP — w/ HOLE 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255735	VCP — w/ HOLE 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255736	VCP — w/ HOLE 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255713	VCTT 4" x 12" (10 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255714	VCTT 4.5" x 12" (11.4 cm x 30 cm) — 1" (3 cm) PLATE STEEL
296255715	VCTT 5" x 12" (13 cm x 30 cm) — 1" (3 cm) PLATE STEEL



VCP W/ HOLE



VCTT

BIT BOLTS

<i>Part #</i>	<i>Description</i>
129667010	.5" (1.3 cm) — 13 x 1" (3 cm) socket head



BIT BOLTS

A.P.I. REAMERS, VERMEER D24X26 DRILLS & SMALLER (or 24,000 lb. pull & 2,700 ft. lb. torq. or less)

NOTE: the A.P.I. connection rating to the machines is for reamers only. In many cases, you will use a smaller A.P.I. connection with drill heads.

D24X26 and Smaller FLUTED REAMER — w/ 2.375" A.P.I. (REG) w/ 24KSWIVEL

Part #	Description
296258154	6" (15 cm) REG SHARK
296258156	8" (20 cm) REG SHARK
296260059	10" (25 cm) REG SHARK
296260061	12" (30 cm) REG SHARK
296260063	14" (36 cm) REG SHARK
296260065	16" (41 cm) REG SHARK
296258153	6" (15 cm) REG ROTARY
296258155	8" (20 cm) REG ROTARY
296260058	10" (25 cm) REG ROTARY
296260060	12" (30 cm) REG ROTARY
296260062	14" (36 cm) REG ROTARY
296260064	16" (41 cm) REG ROTARY



A.P.I. FLUTED SHARK



A.P.I. FLUTED ROTARY

D24X26 and Smaller WING MIXER w/ BELL — w/ 2.375" A.P.I. (REG)

Part #	Description
296258008	8" (20 cm)
296258010	10" (25 cm)
296258012	12" (30 cm)
296258014	14" (36 cm)
296258016	16" (41 cm)



WING MIXER W/ BELL

MEDIUM HDD

A.P.I. REAMERS, VERMEER D24X26 DRILLS & SMALLER (or 24,000 lb. pull & 2,700 ft. lb. torq. or less)

WING CUTTER w/ 2.375" A.P.I. (REG)

Part #	Description
296259129	8" (20 cm)
296259131	10" (25 cm)

NEW!
NEW!



HELICAL PLUS w/ 2.375" A.P.I. (REG)

Part #	Description
296268800	8" (20 cm)
296268801	10" (25 cm)
296268802	12" (30 cm)

NEW!
NEW!
NEW!



BELL w/ TEETH w/ 2.375" A.P.I. (REG) THROUGH SPUD

Part #	Description
296259154	6" (15 cm)
296259155	8" (20 cm)
296259156	10" (25 cm)
296259157	12" (30 cm)

NEW!
NEW!
NEW!
NEW!


































SPIRAL SHARK w/ 2.375" A.P.I. (REG) w/ 24K SWIVEL

Part #	Description
296259065	6" (15 cm)
296259067	8" (20 cm)
296259069	10" (25 cm)
296259071	12" (30 cm)

NEW!
NEW!
NEW!
NEW!



A.P.I. REAMERS, VERMEER D24X26 DRILLS & SMALLER (or 24,000 lb. pull & 2,700 ft. lb. torq. or less)

WING CUTTER w/ 2.875" A.P.I. (REG)		
Part #	Description	
296259132	8" (20 cm)	
296259136	10" (25 cm)	
BELL w/ TEETH w/ 2.875" A.P.I. (REG)		
Part #	Description	
296259178	8" (20 cm)	
296259179	10" (25 cm)	
296259180	12" (30 cm)	
SPIRAL SHARK w/ 2.875" A.P.I. (REG) w/ 24K SWIVEL		
Part #	Description	
296259084	8" (20 cm)	
296259087	10" (25 cm)	
296259089	12" (30 cm)	
296259120	14" (36 cm)	
296259121	16" (41 cm)	
296259122	18" (46 cm)	
SUPER FLUTE REAMER w/ 2.875" A.P.I. (REG) w/ 24K SWIVEL		
Part #	Description	
296263731	10" (25 cm) SHARK	
296263732	12" (30 cm) SHARK	
296263733	14" (36 cm) SHARK	
296263734	16" (41 cm) SHARK	
296263735	18" (46 cm) SHARK	
296263736	10" (25 cm) ROTARY	
296263737	12" (30 cm) ROTARY	
296263738	14" (36 cm) ROTARY	
296263739	16" (41 cm) ROTARY	
296263740	18" (46 cm) ROTARY	
SUPER FLUTE REAMER w/ 2.875" A.P.I. (REG)		
Part #	Description	
296263697	10" (25 cm) SHARK	
296263698	12" (30 cm) SHARK	
296263699	14" (36 cm) SHARK	
296263700	16" (41 cm) SHARK	
296263701	18" (46 cm) SHARK	
296263702	10" (25 cm) ROTARY	
296263703	12" (30 cm) ROTARY	
296263704	14" (36 cm) ROTARY	
296263705	16" (41 cm) ROTARY	
296263706	18" (46 cm) ROTARY	

Note: All A.P.I. Reamers without swivels come box up (toward machine), pin down (away from machine).

ORDER TODAY! CALL 1-866-VERMEER

MEDIUM HDD

VERMEER CONNECTION REAMERS

BAR-CUTTER — 2.125" (5.4 cm) LPT/HEX

Part #	Description
232536001	8" (20 cm)
232537001	10" (25 cm)
227720001	12" (30 cm)
232538001	14" (36 cm)
232539001	16" (41 cm)



BAR-CUTTER

WING-CUTTER W/ ROTARY TEETH — 2.125" (5.4 cm) LPT/HEX

Part #	Description
232541001	8.5" (21.6 cm)
232542001	10.75" (27.3 cm)
227718001	12.75" (32.4 cm)
232543001	14.75" (37.5 cm)
232544001	16.5" (41.9 cm)



WING-CUTTER

HELICAL — 2.125" (5.4 cm) LPT/HEX

Part #	Description
232672001	6" (15 cm)
232673001	8" (20 cm)
232674001	10" (25 cm)
232675001	12" (30 cm)



HELICAL

SUPER HELICAL — 2.125" (5.4 cm) LPT/HEX

Part #	Description
284806001	8" (20 cm)
284807001	10" (25 cm)
284808001	12" (30 cm)
284809001	14" (36 cm)
284810001	16" (41 cm)



SUPER HELICAL

HELICAL PLUS — 2.125" (5.4 cm) LPT/HEX

Part #	Description
279574001	8" (20 cm)
279575001	10" (25 cm)
279576001	12" (30 cm)
279578001	14" (36 cm)
279579001	16" (41 cm)



HELICAL PLUS

BELL W/ TEETH — 2.125" (5.4 cm) LPT/HEX

Part #	Description
232660001	6.625" (16.8 cm)
232661001	8.625" (21.9 cm)
232662001	10.75" (27.3 cm)
232663001	12.75" (32.4 cm)
232664001	14" (36 cm)
232665001	16" (41 cm)



BELL W/ TEETH

SMOOTH BELL (NO TEETH) — 2.125" (5.4 cm) LPT/HEX

Part #	Description
232563001	6.5" (16.5 cm)
232565001	8.5" (21.6 cm)
232567001	10.5" (26.7 cm)
232569001	12.5" (31.8 cm)
232571001	14.5" (36.8 cm)
232573001	16.5" (41.9 cm)



SMOOTH BELL

SPIRAL/SHARK — 2.125" (5.4 cm) LPT/HEX

Part #	Description
232528001	4.5" (11.4 cm) NO TEETH
232659001	5.5" (14.0 cm)
232529001	6.5" (16.5 cm)
232530001	8" (20 cm)
232531001	10" (25 cm)
227715001	12.75" (32.4 cm)
232532001	14" (36 cm)
232533001	16" (41 cm)
232534001	18" (46 cm)
232535001	20" (51 cm)



FLUTED/SHARK — 2.125" (5.4 cm) LPT/HEX

Part #	Description
235063001	4.5" (11.4 cm)
235064001	6" (15 cm)
235065001	8" (20 cm)
235066001	10" (25 cm)
235067001	12" (30 cm)
235245001	14" (36 cm)
235247001	16" (41 cm)



FLUTED/SHARK — 3" (8 cm) SPLINELOK I

Part #	Description
280009001	6" (15 cm)
280010001	8" (20 cm)
280011001	10" (25 cm)
280012001	12" (30 cm)



FLUTED/SHARK — 3.5" (8.9 cm) SPLINELOK I

Part #	Description
280022001	8" (20 cm)
280023001	10" (25 cm)
280024001	12" (30 cm)



FLUTED/ROTARY — 2.125" (5.4 cm) LPT/HEX

Part #	Description
232555001	4.5" (11.4 cm)
232557001	6" (15 cm)
232559001	8" (20 cm)
232561001	10" (25 cm)
227722001	12" (30 cm)
235244001	14" (36 cm)
235246001	16" (41 cm)






FLUTED/SHARK (w/o SWIVEL) — 2.125" (5.4 cm) LPT/HEX / 24K pulling eye

Part #	Description
284106001	6" (15 cm)
281408001	8" (20 cm)
281409001	10" (25 cm)
281410001	12" (30 cm)
281411001	14" (36 cm)
281412001	16" (41 cm)



MEDIUM HDD

ACCESSORIES

SWIVELS — D16x20 – D24x26		
<i>Part #</i>	<i>Description</i>	
280113001	SPL I 3" (8 cm) 24,000 lbs. (10,886 kg) — 5.5" (14.0 cm) OD	 SMOOTH BELL
SWIVELS — D16x20 – D24x40A		
<i>Part #</i>	<i>Description</i>	
296258122	DOUBLE-EYE 24,000 lbs. (10,886 kg) — 3.75" (9.5 cm) OD	 SINGLE EYE DOUBLE EYE
235039001	HEX 2.125" (5.4 cm) LPT 24,000 lbs. (10,886 kg) — 3" (8 cm) OD	
232657001	HEX 2.125" (5.4 cm) LPT 24,000 lbs. (10,886 kg) — 5.5" (14.0 cm) OD	
SWIVELS — D33x44 – D40x40		
<i>Part #</i>	<i>Description</i>	
280114001	SPL I 3.5" (8.9 cm) 40,000 lbs. (18,144 kg) — 6.75" (17.2 cm) OD	 SPLINELOK/SWIVEL HEX SWIVEL
280486001	HEX 2.125" (5.4 cm) LPT 40,000 lbs. (18,144 kg) — 6.75" (17.2 cm) OD	