

# LARGE HDD TOOLING

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# LARGE HDD

## D50x100, D50x100A

The Vermeer D50x100A NAVIGATOR unit is engineered for versatile performance. It features powerful rotational torque capacities — up to 10,000 ft-lb (13,538 Nm) — to match your drill stem size. With the D50x100A, contractors are better able to handle adverse jobs like boring through certain kinds of rock and other hard, organic material. The D50x100A delivers up to 50,000 lb (22,680 kg) of pullback power to handle heavier pipe and longer-distance applications, including sewer projects and riverbed crossings.



See the Tool Applications section for usage recommendations.

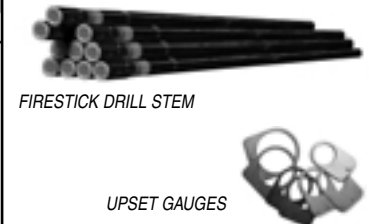
### DRIVE CHUCK

Part #	Description
222447001	FST   2.875" (7.3 cm)
222431001	FST   3.5" (8.9 cm)
296255366	FST   2.875" (7.3 cm) w/ SUB SAVER
296255354	2.875" (7.3 cm) SUB SAVER
296255367	FST   3.5" (8.9 cm) w/ SUB SAVER
296255355	3.5" (8.9 cm) SUB SAVER
247261985	TORQ-LOK



### DRILL STEM

Part #	Description
222452001	FST   15' (4.6 m) x 2.875" (7.3 cm)
222454001	FST   15' (4.6 m) x 3.5" (8.9 cm)
249246001	UPSET GAUGE, FST   2.875" (7.3 cm)
249247001	UPSET GAUGE, FST   3.5" (8.9 cm)



### STANDARD DRILL HEADS

Part #	Description
234809001	FST   2.875" (7.3 cm) DIRT
234810001	FST   3.5" (8.9 cm) DIRT
234828001	FST   2.875" (7.3 cm) END-LOAD DIRT
234823001	FST   3.5" (8.9 cm) END-LOAD DIRT
296260213	2.875" API/REG (B) - SIDE-LOAD DIRT



### UNIVERSAL HOUSING 2.875" API (3.75 OUTSIDE DIAMETER)

**NEW!**

<i>Part #</i>	<i>Description</i>
296259977	2.875" (7.30 cm) API REG UNIVERSAL SONDE HOUSING
296268770	2.875" (7.30 cm) API REG DIRT BIT ADAPTER
296268786	2.875" (7.30 cm) API REG SEWER DRILL HEAD CONVERSION KIT



### UNIVERSAL HOUSING 3.50" API (4.5 OUTSIDE DIAMETER)

**NEW!**

<i>Part #</i>	<i>Description</i>
296259870	3.50" (8.9 cm) API REG UNIVERSAL SONDE HOUSING
296259972	3.50" (8.9 cm) API REG DIRT BIT ADAPTER
296263877	3.50" (8.9 cm) API REG TRIHAWK BIT ADAPTER
296268787	3.50" (8.9 cm) API REG SEWER DRILL HEAD CONVERSION KIT

### ROD RECYCLER

<i>Part #</i>	<i>Description</i>
246949001	FST   2.875" (7.3 cm)
246950001	FST   3.5" (8.9 cm)



ROD RECYCLER

# LARGE HDD

**D50x100, D50x100a**

## TRIHAWK DRILL HEADS

Part #	Description
251881001	FST I 2.875" (7.3 cm) TRIHAWK I
251834001	FST I 3.5" (8.9 cm) TRIHAWK I
296260202	TRIHAWK II STANDARD HOUSING 2.88 FST I (B)
296260204	TRIHAWK II STANDARD HOUSING 3.50FST I (B)
296260203	TRIHAWK III STANDARD HOUSING 2.88 FST I (B)
296260205	TRIHAWK III STANDARD HOUSING 3.50 FST I (B)

## TRIHAWK REPLACEMENT HOUSING

Part #	Description
280722001	TRIHAWK I EXT. HOUSING 2.88 FST I (B)
280721001	TRIHAWK I EXT. HOUSING 3.50 FST I (B)
296257845	TRIHAWK SONDE HOUSING 2 7/8 API/REG (B) (INCLUDES DOOR & PUNCH KIT)
296260178	TRIHAWK SUB SITE HOUSING 2 7/8 API/REG (B)

## TRIHAWK BIT ASSEMBLY

Part #	Description
284952001	TRIHAWK I BIT ASSEMBLY — INCLUDES BIT, LONG TEETH & ROLL PINS
296255473	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284981001	TRIHAWK III BIT ASSEMBLY
296260231	TRIHAWK IV BIT ASSEMBLY
296260212	TRIHAWK V BIT ASSEMBLY

## TRIHAWK TEETH & ACCESSORIES

Part #	Description
284915001	TRIHAWK I BIT TOOTH — MEDIUM
284914001	TRIHAWK I BIT TOOTH — LONG
296260166	TRIHAWK II BIT
280424001	TRIHAWK II BIT ROLL PINS — .625" (1.6 cm) x 2" (5 cm)
284914001	TRIHAWK II TOOTH
284983001	TRIHAWK III TOOTH
296260190	TRIHAWK III PULLBACK PIN KIT
296255468	TRIHAWK DIRT BIT ADAPTER
286662001	TRIHAWK END LOAD HEAD BIT ADAPTER
251817001	TRIHAWK BIT-MOUNT ROLL PINS
296257834	TRIHAWK 2.875" (7.3 cm) A.P.I. REG BOX FRONT BIT SUB
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" (1.3 cm) x 2.5" (6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" (1.6 cm) x 2.38" (6.0 cm)
289394001	SPLINELOK II 4.5" (11.4 cm) JOINT ROLL PINS — .5" (1.3 cm) x 3.5" (9.0 cm) — SET OF 8 PCS
289460001	SPLINELOK II 4.5" (11.4 cm) JOINT SOLID PINS — .8125" (2.1 cm) x 4.25" (10.8 cm) — SET OF 8 PCS
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS



### A powerful and compact HDD for larger applications.

The D55x100 with rack-and-pinion drive system provides high performance on a range of mid- to large-sized projects. Featuring 10,000 ft-lb (13,588 Nm) of rotational torque and 55,000 lb (24,948 kg) of pullback, the self-contained D55x100 brings big power to the job site in a package smaller than many other drills in its class.



See the Tool Applications section for usage recommendations.

DRIVE CHUCK		
Part #	Description	
284094001	FST II 2.875" (7.3 cm)	<p>DRIVE CHUCK</p> <p>TORQ-LOK</p> <p>SUB SAVER</p>
284098001	FST II 2.875" (7.3 cm) SUB SAVER	
222431001	FST I 3.5" (8.9 cm)	
296255367	FST I 3.5" (8.9 cm) w/ SUB SAVER	
296255355	FST I 3.5" (8.9 cm) SUB SAVER	
247261985	TORQ-LOK	
DRILL STEM		
Part #	Description	
276307001	FST II 15' (4.6 m) x 2.875" (7.3 cm)	<p>FIRESTICK DRILL STEM</p> <p>UPSET GAUGES</p>
222454001	FST I 15' (4.6 m) x 3.5" (8.9 cm)	
290538001	UPSET GAUGE, FST II 2.875" (7.3 cm)	
249247001	UPSET GAUGE, FST I 3.5" (8.9 cm)	
STANDARD DRILL HEADS		
Part #	Description	
234810001	FST I 3.5" (8.9 cm) DIRT	<p>DIRT HEAD</p>
234823001	FST I 3.5" (8.9 cm) END-LOAD DIRT	
296268768	FST II 2.875" (7.3 cm) DIRT	
296260213	2.875" API/REG (B) - SIDE LOAD DIRT	

# LARGE HDD

**D55x100**

## UNIVERSAL HOUSING 2.875" API (3.75 OUTSIDE DIAMETER)

**NEW!**

<i>Part #</i>	<i>Description</i>
296259977	2.875" (7.30 cm) API REG UNIVERSAL SONDE HOUSING
296268770	2.875" (7.30 cm) API REG DIRT BIT ADAPTER
296268786	2.875" (7.30 cm) API REG SEWER DRILL HEAD CONVERSION KIT



## UNIVERSAL HOUSING 3.50" API (4.5 OUTSIDE DIAMETER)

**NEW!**

<i>Part #</i>	<i>Description</i>
296259870	3.50" (8.9 cm) API REG UNIVERSAL SONDE HOUSING
296259972	3.50" (8.9 cm) API REG DIRT BIT ADAPTER
296263877	3.50" (8.9 cm) API REG TRIHAWK BIT ADAPTER
296268787	3.50" (8.9 cm) API REG SEWER DRILL HEAD CONVERSION KIT

## ROD RECYCLER

<i>Part #</i>	<i>Description</i>
284959001	FST II 2.875" (7.3 cm)
246950001	FST I 3.5" (8.9 cm)



### TRIHAWK DRILL HEADS

Part #	Description
296268766	FST II 2.875" (7.3 cm) TRIHAWK I
251834001	FST I 3.5" (8.9 cm) TRIHAWK I
296260202	TRIHAWK II STANDARD HOUSING 2.88 FST I (B)
296260204	TRIHAWK II STANDARD HOUSING 3.50FST I (B)
296260203	TRIHAWK III STANDARD HOUSING 2.88 FST I (B)
296260205	TRIHAWK III STANDARD HOUSING 3.50 FST I (B)



TRIHAWK ASSEMBLY

### TRIHAWK REPLACEMENT HOUSING

Part #	Description
280722001	TRIHAWK I EXT. HOUSING 2.88 FST I (B)
280721001	TRIHAWK I EXT. HOUSING 3.50 FST I (B)
296257845	TRIHAWK SONDE HOUSING 2 7/8 API/REG (B) (INCLUDES DOOR & PUNCH KIT)
296260178	TRIHAWK SUB SITE HOUSING 2 7/8 API/REG (B)



TRIHAWK I



TRIHAWK II



TRIHAWK III

### TRIHAWK BIT ASSEMBLY

Part #	Description
284952001	TRIHAWK I BIT ASSEMBLY — INCLUDES BIT, LONG TEETH & ROLL PINS
296255473	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284981001	TRIHAWK III BIT ASSEMBLY
296260231	TRIHAWK IV BIT ASSEMBLY
296260212	TRIHAWK V BIT ASSEMBLY



TRIHAWK IV



TRIHAWK V

### TRIHAWK TEETH & ACCESSORIES

Part #	Description
284915001	TRIHAWK I BIT TOOTH — MEDIUM
284914001	TRIHAWK I BIT TOOTH — LONG
296260166	TRIHAWK II BIT
280424001	TRIHAWK II BIT ROLL PINS — .625" (1.6 cm) x 2" (5 cm)
284914001	TRIHAWK II TOOTH
284983001	TRIHAWK III TOOTH
296260190	TRIHAWK III PULLBACK PIN KIT
296255468	TRIHAWK DIRT BIT ADAPTER
286662001	TRIHAWK END LOAD HEAD BIT ADAPTER
251817001	TRIHAWK BIT-MOUNT ROLL PINS
296257834	TRIHAWK 2.875" (7.3 cm) A.P.I. REG BOX FRONT BIT SUB
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" (1.3 cm) x 2.5" (6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" (1.6 cm) x 2.38" (6.0 cm)
289394001	SPLINELOK II 4.5" (11.4 cm) JOINT ROLL PINS — .5" (1.3 cm) x 3.5" (9.0 cm) — SET OF 8 PCS
289460001	SPLINELOK II 4.5" (11.4 cm) JOINT SOLID PINS — .8125" (2.1 cm) x 4.25" (10.8 cm) — SET OF 8 PCS
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS



DIRT BIT ADAPTOR



TRIHAWK II TEETH



TRIHAWK LID  
SOLID PINS



TRIHAWK III  
PULLBACK PIN



SPLINELOK  
ROLL PINS



SPLINELOK  
SOLID PINS



PUNCH KIT



TRANSMITTER  
ISOLATORS

**ORDER TODAY! CALL 1-866-VERMEER**

# LARGE HDD

## D80x100

**Power and performance** — the D80x100 NAVIGATOR HDD unit is a great choice for the pullback of longer, heavier products. Designed for more difficult bores, including sewer and riverbed projects, the D80x100 features 10,000 ft-lb (13,538 Nm) of torque, high mud-flow and 80,000 lb (36,288 kg) of pullback. The fully self-contained D80x100 with rod loader features a 150 gpm (568 L/min) or 200 gpm (757 L/min) onboard pump that supplies high flow for larger-diameter bores and certain mud motor applications.



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

<b>DRIVE CHUCK</b>		
<i>Part #</i>	<i>Description</i>	
222447001	FST   2.875" (7.3 cm)	<p>DRIVE CHUCK</p> <p>TORQ-LOK</p> <p>SUB SAVER</p>
222431001	FST   3.5" (8.9 cm)	
296255366	FST   2.875" (7.3 cm) w/ SUB SAVER	
296255354	2.875" (7.3 cm) SUB SAVER	
296255367	FST   3.5" (8.9 cm) w/ SUB SAVER	
296255355	3.5" (8.9 cm) SUB SAVER	
247261985	TORQ-LOK	
<b>DRILL STEM</b>		
<i>Part #</i>	<i>Description</i>	
222452001	FST   15' (4.6 m) x 2.875" (7.3 cm)	<p>FIRESTICK DRILL STEM</p> <p>UPSET GAUGES</p>
222454001	FST   15' (4.6 m) x 3.5" (8.9 cm)	
249246001	UPSET GAUGE, FST   2.875" (7.3 cm)	
249247001	UPSET GAUGE, FST   3.5" (8.9 cm)	
<b>STANDARD DRILL HEADS</b>		
<i>Part #</i>	<i>Description</i>	
234809001	FST   2.875" (7.3 cm) DIRT	<p>DIRT HEAD</p>
234810001	FST   3.5" (8.9 cm) DIRT	
234828001	FST   2.875" (7.3 cm) END-LOAD DIRT	
234823001	FST   3.5" (8.9 cm) END-LOAD DIRT	
296260213	2.875" API/REG (B) - SIDE LOAD DIRT	

### UNIVERSAL HOUSING 2.375" API (3.75 OUTSIDE DIAMETER)

**NEW!**

<i>Part #</i>	<i>Description</i>
296259977	2.875" (7.30 cm) API REG UNIVERSAL SONDE HOUSING
296268770	2.875" (7.30 cm) API REG DIRT BIT ADAPTER
296268786	2.875" (7.30 cm) API REG SEWER DRILL HEAD CONVERSION KIT



### UNIVERSAL HOUSING 3.50" API (4.5 OUTSIDE DIAMETER)

**NEW!**

<i>Part #</i>	<i>Description</i>
296259870	3.50" (8.9 cm) API REG UNIVERSAL SONDE HOUSING
296259972	3.50" (8.9 cm) API REG DIRT BIT ADAPTER
296263877	3.50" (8.9 cm) API REG TRIHAWK BIT ADAPTER
296268787	3.50" (8.9 cm) API REG SEWER DRILL HEAD CONVERSION KIT

### ROD RECYCLER

<i>Part #</i>	<i>Description</i>
246949001	FST   2.875" (7.3 cm)
246950001	FST   3.5" (8.9 cm)



ROD RECYCLER

# LARGE HDD

**D80x100**

## TRIHAWK DRILL HEADS

Part #	Description
251881001	FST I 2.875" (7.3 cm) TRIHAWK I
251834001	FST I 3.5" (8.9 cm) TRIHAWK I
296260202	TRIHAWK II STANDARD HOUSING 2.88 FST I (B)
296260204	TRIHAWK II STANDARD HOUSING 3.50FST I (B)
296260203	TRIHAWK III STANDARD HOUSING 2.88 FST I (B)
296260205	TRIHAWK III STANDARD HOUSING 3.50 FST I (B)

## TRIHAWK REPLACEMENT HOUSING

Part #	Description
280722001	TRIHAWK I EXT. HOUSING 2.88 FST I (B)
280721001	TRIHAWK I EXT. HOUSING 3.50 FST I (B)
296257845	TRIHAWK SONDE HOUSING 2.875 API/REG (B) (INCLUDES DOOR & PUNCH KIT)
296260178	TRIHAWK SUB SITE HOUSING 2.875 API/REG (B)

## TRIHAWK BIT ASSEMBLY

Part #	Description
284952001	TRIHAWK I BIT ASSEMBLY — INCLUDES BIT, LONG TEETH & ROLL PINS
296255473	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284981001	TRIHAWK III BIT ASSEMBLY
296260231	TRIHAWK IV BIT ASSEMBLY
296260212	TRIHAWK V BIT ASSEMBLY

## TRIHAWK TEETH & ACCESSORIES

Part #	Description
284915001	TRIHAWK I BIT TOOTH — MEDIUM
284914001	TRIHAWK I BIT TOOTH — LONG
296260166	TRIHAWK II BIT
280424001	TRIHAWK II BIT ROLL PINS — .625" (1.6 cm) x 2" (5 cm)
284914001	TRIHAWK II TOOTH
284983001	TRIHAWK III TOOTH
296260190	TRIHAWK III PULLBACK PIN KIT
296255468	TRIHAWK DIRT BIT ADAPTER
286662001	TRIHAWK END LOAD HEAD BIT ADAPTER
251817001	TRIHAWK BIT-MOUNT ROLL PINS
296257834	TRIHAWK 2.875" (7.3 cm) A.P.I. REG BOX FRONT BIT SUB
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" (1.3 cm) x 2.5" (6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" (1.6 cm) x 2.38" (6.0 cm)
289394001	SPLINELOK II 4.5" (11.4 cm) JOINT ROLL PINS — .5" (1.3 cm) x 3.5" (9.0 cm) — SET OF 8 PCS
289460001	SPLINELOK II 4.5" (11.4 cm) JOINT SOLID PINS — .8125" (2.1 cm) x 4.25" (10.8 cm) — SET OF 8 PCS
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS



TRIHAWK ASSEMBLY



TRIHAWK I



TRIHAWK II



TRIHAWK III



TRIHAWK IV



TRIHAWK V



DIRT BIT ADAPTOR



TRIHAWK II TEETH



TRIHAWK LID  
SOLID PINS



TRIHAWK III  
PULLBACK PIN



SPLINELOK  
ROLL PINS



SPLINELOK  
SOLID PINS



PUNCH KIT



TRANSMITTER  
ISOLATORS

The Vermeer D80x120 and new D100x120 are designed with a powerful rack-and-pinion drive system to provide flexibility for a wide range of horizontal directional drilling projects. Featuring 12,000 ft-lb (16,246 Nm) of rotational torque, a four-position stationary hydraulic stakedown, a 225 hp(168 kw) John Deere engine and thrust/pullback and rotation speed potentiometers, the self-contained D80x120 and D100x120 will help you succeed — even in rough conditions.



See the *Tool Applications section* for usage recommendations.

<b>DRIVE CHUCK - SUB SAVER</b>		
<i>Part #</i>	<i>Description</i>	
280849001	FST II 3.5" (8.9 cm) w/ SUB SAVER	<p>DRIVE CHUCK</p> <p>TORQ-LOK</p> <p>SUB SAVER</p>
296255396	FST II 3.5" (8.9 cm) SUB SAVER	
247261985	TORQ-LOK	
<b>DRILL STEM</b>		
<i>Part #</i>	<i>Description</i>	
276376001	FST II 20' (6.1 m) x 3.5" (8.9 cm)	<p>FIRESTICK DRILL STEM</p> <p>UPSET GAUGES</p>
290539001	UPSET GAUGE, FST II 3.5" (8.9 cm)	
<b>STANDARD DRILL HEADS</b>		
<i>Part #</i>	<i>Description</i>	
296268764	FST II 3.50" (8.9 cm) DIRT	<p>DIRT HEAD</p>
296260213	STANDARD DIRT BIT HOUSING 2 3/8" API/REG (B)	
<b>UNIVERSAL HOUSING 2.875" API (3.75 OUTSIDE DIAMETER)</b>		
<i>Part #</i>	<i>Description</i>	
296259977	2.875" (7.30 cm) API REG UNIVERSAL SONDE HOUSING	
296268770	2.875" (7.30 cm) API REG DIRT BIT ADAPTER	
296268786	2.875" (7.30 cm) API REG SEWER DRILL HEAD CONVERSION KIT	
KIT		
<b>UNIVERSAL HOUSING 3.50" API (4.5" OUTSIDE DIAMETER)</b>		
<i>Part #</i>	<i>Description</i>	
296259870	3.50" (8.9 cm) API REG UNIVERSAL SONDE HOUSING	
296259971	3.50" (8.9 cm) API REG DIRT BIT ADAPTER - D80X120	
296263877	3.50" (8.9 cm) API REG TRIHAWK BIT ADAPTER	
296268787	3.50" (8.9 cm) API REG SEWER DRILL HEAD CONVERSION KIT	
<b>ROD RECYCLER</b>		
<i>Part #</i>	<i>Description</i>	
284170001	FST II 3.5" (8.9 cm)	<p>ROD RECYCLER</p>

**ORDER TODAY! CALL 1-866-VERMEER**

# LARGE HDD

**D80x120, D100x120**

TRIHAWK DRILL HEADS	
Part #	Description
296268765	ASSEMBLY TRIHAWK I w/3.5 FST II

TRIHAWK REPLACEMENT HOUSING	
Part #	Description
296257845	TRIHAWK SONDE HOUSING 2.875 API/REG (B)
296260178	TRIHAWK SUB SITE HOUSING 2.875 API/REG (B)

TRIHAWK BIT ASSEMBLY	
Part #	Description
284952001	TRIHAWK I BIT ASSEMBLY — INCLUDES BIT, LONG TEETH & ROLL PINS
296255473	TRIHAWK II BIT ASSEMBLY w/ BIT-MOUNT SUB
284981001	TRIHAWK III BIT ASSEMBLY
296260231	TRIHAWK IV BIT ASSEMBLY
296260212	TRIHAWK V BIT ASSEMBLY

TRIHAWK TRIHAWK TEETH & ACCESSORIES	
Part #	Description
284915001	TRIHAWK I BIT TOOTH — MEDIUM
284914001	TRIHAWK I BIT TOOTH — LONG
296260166	TRIHAWK II BIT
280424001	TRIHAWK II BIT ROLL PINS — .625" (1.6 cm) x 2" (5 cm)
284914001	TRIHAWK II TOOTH
284983001	TRIHAWK III TOOTH
296260190	TRIHAWK III PULLBACK PIN KIT
296255469	TRIHAWK DIRT BIT ADAPTER
251817001	TRIHAWK BIT-MOUNT ROLL PINS —
296257834	TRIHAWK 2.875" (7.3 cm) A.P.I. REG BOX FRONT BIT SUB
251823001	TRIHAWK & SPLINELOK DIRT HEAD LID ROLL PINS — .5" (1.3 cm) x 2.5" (6.4 cm)
289254001	TRIHAWK & SPLINELOK DIRT HEAD LID SOLID PINS — .625" (1.6 cm) x 2.38" (6.0 cm)
289394001	SPLINELOK II 4.5" (11.4 cm) JOINT ROLL PINS — .5" (1.3 cm) x 3.5" (8.9 cm) — SET OF 8 PCS
289460001	SPLINELOK II 4.5" (11.4 cm) JOINT SOLID PINS — .8125" (2.1 cm) x 4.25" (10.8 cm) — SET OF 8 PCS
284921001	SPLINELOK PUNCH KIT & HOLDER
284757001	TRANSMITTER ISOLATORS



**Efficiency does come in large drills.** Vermeer realizes that efficiency is key on job sites. The D150x300 and D200x300 are first to market with integral two person operator cabins in this class. This is a key feature in reducing setup and tear-down time.



### DRIVE CHUCK & SUB SAVER

<i>Part #</i>	<i>Description</i>
296261572	DRIVE CHUCK 4.5" (11.43 cm) IF (P)
277857001	CUSHION SUB
296257792	4.5" (11.43 cm) API/IF (B) X 4.5" API/IF (P) SUB SAVER

### UNIVERSAL HOUSING (4.5 OUTSIDE DIAMETER)

<i>Part #</i>	<i>Description</i>
296257890	4.5" (11.43 cm) API/IF UNIVERSAL HOUSING
296257896	4.5" (11.43 cm) API/IF 8.0" (203 mm) DIRT BIT
296260216	4.5" (11.43 cm) API/IF TRIHAWK III BIT
296258000	5.0" (12.70 cm) FST II UNIVERSAL HOUSING
296260215	TRIHAWK III TEETH
284784001	TRIHAWK III BIT ROLL PIN
284003001	TRIHAWK III BIT ROLL PIN (PKG OF 24)

### PULLING EYE - SWIVELS

<i>Part #</i>	<i>Description</i>
296260233	4.5" (11.43 cm) API/IFX PULLING EYE 150K SWIVEL
296268991	4.5" (11.43 cm) API/IFX PULLING EYE 200K SWIVEL

### CUSTOM TOOLING

Contact your local Vermeer dealer for pricing and availability for large reaming tools built to your specification, job, and conditions.



# LARGE HDD

## BITS

### BOLT-ON, PLATE-STYLE FOR STD./DIRT HEADS — D50x100 – D80x100

<i>Part #</i>	<i>Description</i>
296255329	STD. DIRT 5" x 13.4" (13 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
296255330	STD. DIRT 6" x 13.4" (15 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
246743001	HARDFACED 5" x 13.38" (13 cm x 34.0 cm) — ECONO BIT 1" (3 cm) THICK CAST STEEL
246745001	HARDFACED 6" x 13.38" (15 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
296255340	HARDFACED 5" x 13.4" (13 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
296255341	HARDFACED 6" x 13.4" (15 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
296255586	CHEVRON II 5" x 13.38" (13 cm x 34.0 cm) — 1.25" (3.2 cm) THICK CAST STEEL
235205001	SHARK 5" x 12.16" (13 cm x 30.9 cm) — 1" (3 cm) THICK CAST STEEL
235208001	SHARK 5.5" x 12.16" (14.0 cm x 30.9 cm) — 1" (3 cm) THICK CAST STEEL
235211001	SHARK 6" x 12.16" (15 cm x 30.9 cm) — 1" (3 cm) THICK CAST STEEL
289375001	VCT 5" x 13.375" (13 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
289376001	VCT 6" x 13.375" (15 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
289381001	VCP 5" x 13.375" (13 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
289382001	VCP 6" x 13.375" (15 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
296255716	VCTT 5" x 13.4" (13 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
296255717	VCTT 6" x 13.4" (15 cm x 34.0 cm) — 1.25" (3.2 cm) THICK PLATE STEEL



STANDARD



STANDARD HARDFACED



CHEVRON II



SHARK



VCP

### BOLT-ON, PLATE-STYLE FOR STD./DIRT HEADS — D80x120

<i>Part #</i>	<i>Description</i>
289285001	VCT 6" x 15" (15 cm x 38 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
296255718	VCTT 6" x 15" (15 cm x 38 cm) — 1.25" (3.2 cm) THICK PLATE STEEL
296255719	VCTT 7" x 15" (18 cm x 38 cm) — 1.25" (3.2 cm) THICK PLATE STEEL



VCT



VCTT

### BIT BOLTS — D50x100 – D80x120

<i>Part #</i>	<i>Description</i>
79943010	1" (3 cm) THICK BITS — .625" (1.6 cm) — 11 x 1" (3 cm) SOCKETHEAD
296260026	1.25" (3.2 cm) THICK BITS — .625" (1.6 cm) — 11 x 1.25" (3.2 cm) SOCKETHEAD








### BIT BOLTS — D80x120

<i>Part #</i>	<i>Description</i>
85627055	.75" (1.9 cm) — 10 x 1.5" (3.8 cm) SOCKETHEAD



# LARGE HDD

**A.P.I. REAMERS, VERMEER D100X120 DRILLS & SMALLER (or 100,000 lb. pull & 15,000 ft. lb. torq. or less)**

<b>WING CUTTER w/ 3.50" A.P.I. (REG)</b>		
<i>Part #</i>	<i>Description</i>	
296259140	10" (25 cm)	 NEW! NEW! NEW! NEW! NEW!
296259142	12" (30 cm)	
296259145	14" (36 cm)	
296259149	16" (41 cm)	
296259151	18" (46 cm)	
<b>HELICAL PLUS w/ 3.50" A.P.I. (REG)</b>		
<i>Part #</i>	<i>Description</i>	
296270268	14" (36 cm)	 NEW! NEW! NEW!
296270269	16" (41 cm)	
296270270	18" (46 cm)	
<b>BELL w/ TEETH w/ 3.50" A.P.I. (REG)</b>		
<i>Part #</i>	<i>Description</i>	
296270251	10" (25 cm)	 NEW! NEW! NEW! NEW! NEW!
296270252	12" (30 cm)	
296270253	14" (36 cm)	
296270254	16" (41 cm)	
296270255	18" (46 cm)	
<b>SPIRAL SHARK w/ 3.50" A.P.I. (REG) w/ 90K SWIVEL</b>		
<i>Part #</i>	<i>Description</i>	
296259123	10" (25 cm)	 NEW! NEW! NEW! NEW! NEW!
296259124	12" (30 cm)	
296259125	14" (36 cm)	
296259126	16" (41 cm)	
296259127	18" (46 cm)	
<b>SUPER FLUTE REAMER w/ 3.50" A.P.I. (REG)</b>		
<i>Part #</i>	<i>Description</i>	
296263707	10" (25 cm) SHARK	 NEW! NEW! NEW! NEW! NEW! NEW! NEW! NEW! NEW! NEW! NEW! NEW! NEW! NEW! NEW!
296263708	12" (30 cm) SHARK	
296263709	14" (36 cm) SHARK	
296263710	16" (41 cm) SHARK	
296263711	18" (46 cm) SHARK	
296263712	10" (25 cm) ROTARY	
296263713	12" (30 cm) ROTARY	
296263714	14" (36 cm) ROTARY	
296263715	16" (41 cm) ROTARY	
296263716	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**

## A.P.I. REAMERS, VERMEER D100X120 DRILLS & SMALLER (or 100,000 lb. pull & 15,000 ft. lb. torq. or less)

### SUPER FLUTE REAMER w/ 3.50" A.P.I. (REG) w/ 50K SWIVEL

Part #	Description
296263676	10" (25 cm) SHARK
296263677	12" (30 cm) SHARK
296263678	14" (36 cm) SHARK
296263679	16" (41 cm) SHARK
296263680	18" (46 cm) SHARK
296263682	10" (25 cm) ROTARY
296263683	12" (30 cm) ROTARY
296263684	14" (36 cm) ROTARY
296263685	16" (41 cm) ROTARY
296263686	18" (46 cm) ROTARY

NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!



### SUPER FLUTE REAMER w/ 3.50" A.P.I. (REG) w/ 90K SWIVEL

Part #	Description
296263687	10" (25 cm) SHARK
296263688	12" (30 cm) SHARK
296263689	14" (36 cm) SHARK
296263690	16" (41 cm) SHARK
296263691	18" (46 cm) SHARK
296263692	10" (25 cm) ROTARY
296263693	12" (30 cm) ROTARY
296263694	14" (36 cm) ROTARY
296263695	16" (41 cm) ROTARY
296263696	18" (46 cm) ROTARY

NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!  
NEW!



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

# LARGE HDD

## VERMEER CONNECTION

### BAR-CUTTER — 2.875" (7.3 cm) FIRESTICK I

Part #	Description
232713001	12" (30 cm)
232714001	14" (36 cm)
232715001	16" (41 cm)

### BAR-CUTTER — 3.5" (8.9 cm) FIRESTICK I

Part #	Description
227726001	12" (30 cm)
232711001	14" (36 cm)
232712001	16" (41 cm)



BAR-CUTTER

### WING-CUTTER W/ ROTARY TEETH — 2.875" (7.3 cm) FIRESTICK I

Part #	Description
232701001	8.625" (21.9 cm)
232703001	10.75" (27.3 cm)
232635001	12.75" (32.4 cm)
232637001	14.75" (37.5 cm)
232639001	16.75" (42.5 cm)
232641001	18.75" (47.6 cm)
232643001	20.75" (52.7 cm)
232645001	22.75" (57.8 cm)
232647001	24.75" (62.9 cm)



WING-CUTTER

### WING-CUTTER W/ ROTARY TEETH — 3.5" (8.9 cm) FIRESTICK I

Part #	Description
232697001	8.625" (21.9 cm)
232699001	10.75" (27.3 cm)
227704001	12.75" (32.4 cm)
232623001	14.75" (37.5 cm)
232625001	16.75" (42.5 cm)
232627001	18.75" (47.6 cm)
232629001	20.75" (52.7 cm)
232631001	22.75" (57.8 cm)
232633001	24.75" (62.9 cm)

### SUPER HELICAL — 2.875" (7.3 cm) FIRESTICK I

Part #	Description
284861001	10" (25 cm)
284862001	12" (30 cm)
284863001	14" (36 cm)
284864001	16" (41 cm)
284865001	18" (46 cm)
284866001	20" (51 cm)
284867001	22" (56 cm)
284868001	24" (61 cm)

### SUPER HELICAL — 3.5" (8.9 cm) FIRESTICK I

Part #	Description
284869001	10" (25 cm)
284870001	12" (30 cm)
284871001	14" (36 cm)
284872001	16" (41 cm)
284873001	18" (46 cm)
284874001	20" (51 cm)
284875001	22" (56 cm)
284876001	24" (61 cm)



SUPER HELICAL

### BELL W/ TEETH — 2.875" (7.3 cm) FIRESTICK I

Part #	Description
232704001	8.5" (21.6 cm)
232706001	10.5" (26.7 cm)
232716001	12.5" (31.8 cm)
232708001	14.5" (36.8 cm)
232717001	16.5" (41.9 cm)
232718001	18.5" (47.0 cm)
232719001	20.5" (52.1 cm)
232720001	22.5" (57.2 cm)
232721001	24.5" (62.2 cm)



BELL W/ TEETH

### BELL W/ TEETH — 3.5" (8.9 cm) FIRESTICK I

Part #	Description
232705001	8.5" (21.6 cm)
232707001	10.5" (26.7 cm)
227691001	12.5" (31.8 cm)
232709001	14.5" (36.8 cm)
232722001	16.5" (41.9 cm)
232723001	18.5" (47.0 cm)
232724001	20.5" (52.1 cm)
232725001	22.5" (57.2 cm)
232726001	24.5" (62.2 cm)

### SMOOTH BELL (NO TEETH) — 2.875" (7.3 cm) FIRESTICK I

Part #	Description
232587001	8.5" (21.6 cm)
232589001	10.5" (26.7 cm)
232591001	12.5" (31.8 cm)
232593001	14.5" (36.8 cm)
232595001	16.5" (41.9 cm)
232684001	18.5" (47.0 cm)
232685001	20.5" (52.1 cm)



SMOOTH BELL

### SMOOTH BELL (NO TEETH) — 3.5" (8.9 cm) FIRESTICK I

Part #	Description
232575001	8.5" (21.6 cm)
232577001	10.5" (26.7 cm)
232579001	12.5" (31.8 cm)
232581001	14.5" (36.8 cm)
232583001	16.5" (41.9 cm)
232680001	18.5" (47.0 cm)
232681001	20.5" (52.1 cm)

### SPIRAL/SHARK — 2.875" (7.3 cm) FIRESTICK I

Part #	Description
232609001	8.625" (21.9 cm)
232611001	10.75" (27.3 cm)
232613001	12.75" (32.4 cm)
232615001	14.75" (37.5 cm)
232617001	16.75" (42.5 cm)
232619001	18.75" (47.6 cm)
232621001	20.75" (52.7 cm)
232688001	24.75" (62.9 cm)
232689001	30" (76 cm)



SPIRAL/SHARK

**ORDER TODAY! CALL 1-866-VERMEER**

# LARGE HDD

## VERMEER CONNECTION

### SPIRAL/SHARK — 3.5" (8.9 cm) FIRESTICK I

Part #	Description
232597001	8.625" (21.9 cm)
232599001	10.75" (27.3 cm)
227712001	12.75" (32.4 cm)
232601001	14.75" (37.5 cm)
232603001	16.75" (42.5 cm)
232605001	18.75" (47.6 cm)
232607001	20.75" (52.7 cm)
232692001	24.75" (62.9 cm)
232693001	30" (76 cm)



SPIRAL/SHARK

### FLUTED/SHARK — 2.875" (7.3 cm) FIRESTICK I

Part #	Description
235068001	8" (20 cm)
235069001	10" (25 cm)
235070001	12" (30 cm)
235071001	14" (36 cm)
235072001	16" (41 cm)
235073001	18" (46 cm)
235074001	20" (51 cm)
242124001	22" (56 cm)
235075001	24" (61 cm)
242130001	26" (66 cm)
242132001	28" (71 cm)
235076001	30" (76 cm)
242144001	32" (81 cm)
242146001	34" (86 cm)
242148001	36" (91 cm)
242150001	38" (97 cm)
242152001	40" (102 cm)



FLUTED/SHARK

### FLUTED/SHARK — 3.5" (8.9 cm) FIRESTICK I

Part #	Description
235077001	8" (20 cm)
235078001	10" (25 cm)
235079001	12" (30 cm)
235080001	14" (36 cm)
235081001	16" (41 cm)
235082001	18" (46 cm)
235083001	20" (51 cm)
242125001	22" (56 cm)
235084001	24" (61 cm)
242131001	26" (66 cm)
242133001	28" (71 cm)
235085001	30" (76 cm)
242145001	32" (81 cm)
242147001	34" (86 cm)
242149001	36" (91 cm)
242151001	38" (97 cm)
242153001	40" (102 cm)



FLUTED/SHARK

### FLUTED/ROTARY — 2.875" (7.3 cm) FIRESTICK I

<i>Part #</i>	<i>Description</i>
232737001	8" (20 cm)
232738001	10" (25 cm)
232710001	12" (30 cm)
232739001	14" (36 cm)
232740001	16" (41 cm)
232741001	18" (46 cm)
232742001	20" (51 cm)
242122001	22" (56 cm)
232743001	24" (61 cm)
242126001	26" (66 cm)
242128001	28" (71 cm)
232744001	30" (76 cm)
242134001	32" (81 cm)
242136001	34" (86 cm)
242138001	36" (91 cm)
242140001	38" (97 cm)
242142001	40" (102 cm)



FLUTED/ROTARY

### FLUTED/ROTARY — 3.5" (8.9 cm) FIRESTICK I

<i>Part #</i>	<i>Description</i>
232728001	8" (20 cm)
232729001	10" (25 cm)
227695001	12" (30 cm)
232730001	14" (36 cm)
232731001	16" (41 cm)
232732001	18" (46 cm)
232733001	20" (51 cm)
242123001	22" (56 cm)
232734001	24" (61 cm)
242127001	26" (66 cm)
242129001	28" (71 cm)
232735001	30" (76 cm)
242135001	32" (81 cm)
242137001	34" (86 cm)
242139001	36" (91 cm)
242141001	38" (97 cm)
242143001	40" (102 cm)



FLUTED/ROTARY

# LARGE HDD

## VERMEER CONNECTION

### FLUTED/SHARK (w/o SWIVEL) — 2.875" (7.3 cm) FIRESTICK I

<i>Part #</i>	<i>Description</i>
284112001	8" (20 cm)
284113001	10" (25 cm)
284114001	12" (30 cm)
284115001	14" (36 cm)
284116001	16" (41 cm)
284117001	18" (46 cm)
284118001	20" (51 cm)
284119001	22" (56 cm)
284120001	24" (61 cm)
284121001	26" (66 cm)
284122001	28" (71 cm)
284123001	30" (76 cm)
284124001	32" (81 cm)
284125001	34" (86 cm)
284126001	36" (91 cm)
284127001	38" (97 cm)
284128001	40" (102 cm)



FLUTED/SHARK

### FLUTED/SHARK (w/o SWIVEL) — 3.5" (8.9 cm) FIRESTICK I

<i>Part #</i>	<i>Description</i>
281426001	8" (20 cm)
281427001	10" (25 cm)
281428001	12" (30 cm)
281429001	14" (36 cm)
281430001	16" (41 cm)
281431001	18" (46 cm)
281432001	20" (51 cm)
281433001	22" (56 cm)
281434001	24" (61 cm)
281435001	26" (66 cm)
281436001	28" (71 cm)
281437001	30" (76 cm)
281438001	32" (81 cm)
281439001	34" (86 cm)
281440001	36" (91 cm)
281441001	38" (97 cm)
281442001	40" (102 cm)



FLUTED/SHARK

### SWIVELS

<i>Part #</i>	<i>Description</i>
296258123	DOUBLE-EYE 50,000 lbs. (22,680 kg)
296258124	DOUBLE-EYE 90,000 lbs. (40,824 kg)
232510001	FST I 2.875" (7.3 cm) 50,000 lbs. (22,680 kg)
280491001	FST I 2.875" (7.3 cm) 90,000 lbs. (40,824 kg)
226651001	FST I 3.5" (8.9 cm) 50,000 lbs. (22,680 kg)
280495001	FST I 3.5" (8.9 cm) 90,000 lbs. (40,824 kg)



DOUBLE EYE SWIVEL



FIRESTICK I SWIVEL

