

COMPACT HDD TOOLING

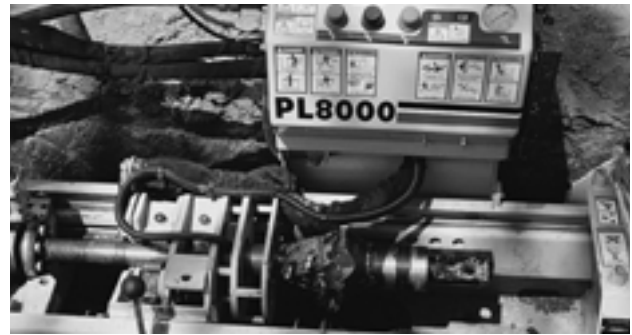
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COMPACT HDD

PL8000

The Vermeer PL8000 NAVIGATOR pit-launched horizontal directional drill is an efficient, one-person HDD unit designed specifically for horizontal directional drilling contractors and users of existing pit-launched HDD machines. The PL8000 features a state-of-the-art rack-and-pinion drive system that is built for ease-of-use and service in rugged conditions; it features a special docking feature that allows tools to be retracted into the rack for installation and removal. The docking feature helps keep pit size to a minimum and eliminates the need to dig a pit in front of the unit for drill head installation/clearance and reamer removal.



See the Tool Applications section for usage recommendations.

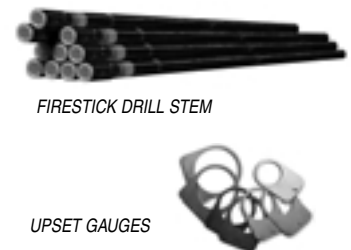
DRIVE CHUCK

| Part # | Description |
|-----------|--|
| 286686001 | FST 1.88" (4.8 cm) |
| 276414001 | FST 1.32" (3.4 cm)/1.66" (4.2 cm) |
| 296255362 | FST 1.32" (3.4 cm)/1.66" (4.2 cm) w/ SUB SAVER |
| 296255349 | SUB SAVER |
| 247261985 | TORQ-LOK |



DRILL STEM





| Part # | Description |
|-----------|---|
| 282226001 | FST 1.88" x 2' (4.8 cm x .6 m) |
| 276335001 | FST 1.32" x 3' (3.4 cm x .9 m) |
| 276332001 | FST 1.66" x 3' (4.2 cm x .9 m) |
| 249242001 | UPSET GAUGE — FST 1.32" (3.4 cm) |
| 249243001 | UPSET GAUGE — FST 1.66" (4.2 cm)/FST 1.88" (4.8 cm) |



STARTER ROD

| Part # | Description |
|-----------|---|
| 290534001 | HEX 1.63" (4.1 cm); SHORT FST |
| 234764001 | 2" (5 cm) STD. HEX COLLAR |
| 289274001 | 2" (5 cm) 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.) |
| 280397001 | SPL 2.75" (7.0 cm) x 1.66" (4.2 cm) FST |
| 280460001 | O-RING - 2.75 SPL |



| STANDARD DRILL HEADS | | |
|----------------------|---|---|
| <i>Part #</i> | <i>Description</i> | |
| 234786001 | HEX 2.7" (6.9 cm) DIRT |  <p>DIRT HEAD</p> |
| 280396001 | SPL I 2.75" (7.0 cm) DIRT | |
| 296255555 | O-RING 1.625" | |
| MINI-DRILL HEAD | | |
| <i>Part #</i> | <i>Description</i> | |
| 217629001 | FST I 1.66" (4.2 cm) |  <p>MINI-DRILL HEAD</p> |
| ROD RECYCLER | | |
| <i>Part #</i> | <i>Description</i> | |
| 246948001 | FST I 1.66" (4.2 cm) |  <p>ROD RECYCLER</p> |
| TRIHAWK DRILL HEADS | | |
| <i>Part #</i> | <i>Description</i> | |
| 289290001 | HEX TRIHAWK II |  <p>TRIHAWK II</p> <p>TRIHAWK II TEETH</p> <p>ROLL PINS</p> <p>TRIHAWK LID SOLID PINS</p> <p>TRIHAWK II BIT ASSEMBLY</p> |
| 289294001 | SPL I TRIHAWK II | |
| 289292001 | TRIHAWK II BIT ASSEMBLY | |
| 251839001 | TRIHAWK II TEETH | |
| 280416001 | TRIHAWK II BIT ROLL PINS — .5" (1.3 cm) x 1.25" (3.2 cm) | |
| 251823001 | TRIHAWK II LID ROLL PINS — .5" (1.3 cm) x 2.5" (6.4 cm) | |
| 289254001 | TRIHAWK II LID SOLID PINS — .625" (1.6 cm) x 2.38" (6.0 cm) | |
| 251817001 | SPL I 2.75" (7.0 cm) JOINT ROLL PINS — .5" (1.3 cm) x 2.13" (5.4 cm) | |

COMPACT HDD

D7x11, D7x11a, D7x11a QS

The curb-to-house solution. This is the ideal HDD system for utility contractors installing small-diameter products. The D7x11A NAVIGATOR machine features a convenient onboard water source (non-QS models), and the smallest footprint in its class in the industry. Its compact size makes it ideal for maneuvering through tight areas.

See the Tool Applications section for usage recommendations.



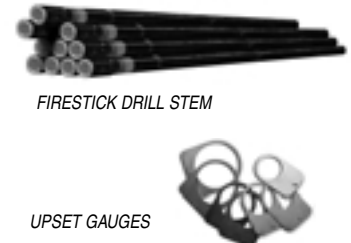
DRIVE CHUCK

| Part # | Description |
|-----------|--|
| 216453001 | FST I 1.32"/1.66" (3.4 cm/4.2 cm) |
| 289331001 | FST II QS 1.32" (3.4 cm) |
| 296255361 | FST I 1.32"/1.66" (3.4 cm/4.2 cm) w/ SUB SAVER |
| 296255351 | FST I SUB SAVER |
| 247261985 | TORQ-LOK |



DRILL STEM

| Part # | Description |
|-----------|---|
| 222394001 | FST I 1.32" x 6' (3.4 cm x 1.8 m) |
| 216492001 | FST I 1.66" x 6' (4.2 cm x 1.8 m) |
| 282345001 | FST II 1.32" x 6' (3.4 cm x 1.8 m) |
| 249242001 | UPSET GAUGE — FST I 1.32" (3.4 cm) |
| 249243001 | UPSET GAUGE — FST I 1.66" (4.2 cm)/FST I 1.88" (4.8 cm) |
| 290536001 | UPSET GAUGE — FST II 1.32" (3.4 cm) |



STARTER ROD

| Part # | Description |
|-----------|---|
| 276261001 | HEX 1.63" (4.1 cm) - 20" (51 cm) 1.32"/1.66" (3.4 cm/4.2 cm) FST I |
| 296257751 | HEX 1.63" (4.1 cm) - 20" (51 cm) 1.32" (3.4 cm) FST II |
| 234764001 | 2" (5 cm) STD HEX COLLAR |
| 289274001 | 2" (5 cm) LONG HEX COLLAR w/ HOLE AND HARDFACE |
| 4478003 | CAPSCREW — .375" (1.0 cm)/16 x .375" (1.0 cm) |
| 234945001 | HEX 2.125" (5.4 cm) x 1.66" FST I (to use D24x40 tools) |
| 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.) |
| 280397001 | SPL I 2.75" (7.0 cm) x 1.66" (4.2 cm) FST I |
| 284954001 | SPL I 2.75" (7.0 cm) x 1.66" (4.2 cm) FST II |
| 280460001 | 0-RING - 2.75 SPL I |



STANDARD DRILL HEADS

| Part # | Description |
|-----------|---------------------------|
| 234786001 | HEX 2.7" (6.9 cm) DIRT |
| 280396001 | SPL I 2.75" (7.0 cm) DIRT |
| 296255555 | O-RING 1.63" |



DIRT HEAD

MINI-DRILL HEAD

| Part # | Description |
|-----------|--|
| 289333001 | FST II 1.32"(3.4 cm) w/ 2" (5 cm) DIAMETER BIT |
| 217629001 | FST I 1.66" (4.2 cm) w/ 2" (5 cm) DIAMETER BIT |



MINI-DRILL HEAD

ROD RECYCLER

| Part # | Description |
|-----------|----------------------|
| 246948001 | FST I 1.66" (4.2 cm) |



ROD RECYCLER

TRIHAWK DRILL HEADS

| Part # | Description |
|-----------|---|
| 289290001 | HEX TRIHAWK II |
| 289294001 | SPL I TRIHAWK II |
| 289292001 | TRIHAWK II BIT ASSEMBLY |
| 251839001 | TRIHAWK II TEETH |
| 280416001 | TRIHAWK II BIT ROLL PINS — .5" (1.3 cm) x 1.25" (3.2 cm) |
| 251823001 | TRIHAWK II LID ROLL PINS — .5" (1.3 cm) x 2.5" (6.4 cm) |
| 289254001 | TRIHAWK II LID SOLID PINS — .625" (1.6 cm) x 2.38" (6.0 cm) |
| 251817001 | SPL I 2.75" (7.0 cm) JOINT ROLL PINS — .5" (1.3 cm) x 2.13" (5.4 cm) |



TRIHAWK II

TRIHAWK II TEETH



ROLL PINS

TRIHAWK LID SOLID PINS

TRIHAWK II BIT ASSEMBLY

COMPACT HDD

D10x15

More distance in a small package. An optional rod loader with the capacity to carry 440' (134.1 m) of drill stem, combined with 1500 ft-lb (2031 Nm) of torque and 10,000 lb (4536 kg) of pullback make the D10x15 great for medium-distance, smaller-diameter bores. It's self-contained and compact, with a narrow width of 42" (107 cm) (with rod loader) for easy access into tight spots. Without rod loader, the D10x15's width is a narrow 36" (91 cm) — allowing access in to confined areas.



See the Tool Applications section for usage recommendations.

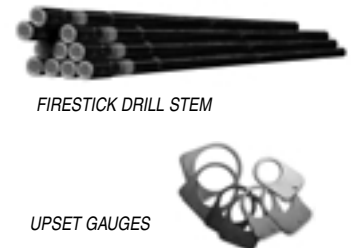
DRIVE CHUCK

| Part # | Description |
|-----------|-----------------------------------|
| 236301001 | FST I 1.66" (4.2 cm) |
| 296255363 | FST I 1.66" (4.2 cm) w/ SUB SAVER |
| 296255351 | SUB SAVER |
| 247261985 | TORQ-LOK |



DRILL STEM

| Part # | Description |
|-----------|---|
| 219006001 | FST I 1.66" x 10' (4.2 cm x 3.0 m) |
| 249243001 | UPSET GAUGE — FST I 1.66" (4.2 cm)/ FST I 1.88" (4.8 cm) |



STARTER ROD

| Part # | Description |
|-----------|--|
| 276261001 | HEX 1.63" (4.1 cm) FST I |
| 234764001 | 2" (5 cm) STD. HEX COLLAR |
| 289274001 | 2" (5 cm) 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.) |
| 280397001 | SPL I 2.75" (7.0 cm) x 1.66" (4.2 cm) FST I |
| 280460001 | O-RING - 2.75 SPL I |
| 234945001 | HEX 2.125" (5.4 cm) x 1.66" (4.2 cm) FST I (to use D24x40 tools) |



STANDARD DRILL HEADS

| <i>Part #</i> | <i>Description</i> |
|---------------|---------------------------|
| 234786001 | HEX 2.7" (6.9 cm) DIRT |
| 280396001 | SPL I 2.75" (7.0 cm) DIRT |
| 296255555 | O-RING 1.625" |



DIRT HEAD

MINI-DRILL HEAD

| <i>Part #</i> | <i>Description</i> |
|---------------|----------------------|
| 217629001 | FST I 1.66" (4.2 cm) |



MINI-DRILL HEAD

ROD RECYCLER

| <i>Part #</i> | <i>Description</i> |
|---------------|----------------------|
| 246948001 | FST I 1.66" (4.2 cm) |



ROD RECYCLER

TRIHAWK DRILL HEADS

| <i>Part #</i> | <i>Description</i> |
|---------------|---|
| 289290001 | HEX TRIHAWK II |
| 289294001 | SPL I TRIHAWK II |
| 289292001 | TRIHAWK II BIT ASSEMBLY |
| 251839001 | TRIHAWK II TEETH |
| 280416001 | TRIHAWK II BIT ROLL PINS — .5" (1.3 cm) x 1.25" (3.2 cm) |
| 251823001 | TRIHAWK II LID ROLL PINS — .5" (1.3 cm) x 2.5" (6.4 cm) |
| 289254001 | TRIHAWK II LID SOLID PINS — .625" (1.6 cm) x 2.38" (6.0 cm) |
| 251817001 | SPL I 2.75" (7.0 cm) JOINT ROLL PINS — .5" (1.3 cm) x 2.13" (5.4 cm) |



TRIHAWK II

TRIHAWK II TEETH



ROLL PINS

TRIHAWK LID SOLID PINS

TRIHAWK II BIT ASSEMBLY

COMPACT HDD

BITS

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

| Part # | Description |
|-----------|---|
| 246525001 | STD. RAMPED 3.5" x 10.25" – .75" (8.9 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 246526001 | STD. RAMPED 4" x 10.25" – .75" (10 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 246570001 | QS STD. RAMPED 3.5" x 10.25" – .75" (8.9 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 246571001 | QS STD. RAMPED 4" x 10.25" – .75" (10 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 246734001 | STD. RAMPED HARDFACED 3" x 10.25" – .75" (8 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 246735001 | STD. RAMPED HARDFACED 3.5" x 10.25" – .75" (8.9 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 246736001 | STD. RAMPED HARDFACED 4" x 10.25" – .75" (10 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 246799001 | QS STD. RAMPED HARDFACED 3.5" x 10.25" – .75" (8.9 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 296255583 | CHEVRON II 3.5" x 10.25" – .75" (8.9 cm x 26.0 cm – 1.9 cm) CAST STEEL |
| 235175001 | SHARK 3.5" x 10.13" – .75" (8.9 cm x 25.7 cm – 1.9 cm) CAST STEEL |
| 235178001 | SHARK 4" x 10.18" – .75" (10 cm x 25.9 cm – 1.9 cm) CAST STEEL |
| 235181001 | SHARK 4.5" x 10.18" – .75" (11.4 cm x 25.9 cm – 1.9 cm) CAST STEEL |
| 289371001 | VCT 3.5" x 10.375" – .75" (8.9 cm x 26.4 cm – 1.9 cm) PLATE STEEL |
| 296255745 | VCT w/ hole 3.5" x 10.375" – .75" (8.9 cm x 26.4 cm – 1.9 cm) PLATE STEEL |
| 289377001 | VCP 3.5" x 10.375" – .75" (8.9 cm x 26.4 cm – 1.9 cm) PLATE STEEL |
| 296255733 | VCP w/ hole 3.5" x 10.375" – .75" (8.9 cm x 26.4 cm – 1.9 cm) PLATE STEEL |
| 296255712 | VCTT 3.5" x 10.25" – .75" (8.9 cm x 26.0 cm – 1.9 cm) PLATE STEEL |



STANDARD



QUICK-SHOT



STD. HARDFACED



SHARK



CHEVRON II



VCT W/ HOLE



VCP W/ HOLE



VCTT

BIT BOLTS

| Part # | Description |
|-----------|--|
| 129667010 | .50" (1.3 cm) – 13 x 1" (3 cm) socket head |



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.

| FLUTED REAMER — w/ 2.375" A.P.I. (REG) w/ 24K SWIVEL | |
|--|------------------------|
| 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

| 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

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

COMPACT 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) | | |
|---|--------------------|--|
| <i>Part #</i> | <i>Description</i> | |
| 296259129 | 8" (20 cm) |  NEW! NEW! |
| 296259131 | 10" (25 cm) | |
| HELICAL PLUS w/ 2.375" A.P.I. (REG) | | |
| <i>Part #</i> | <i>Description</i> | |
| 296268800 | 8" (20 cm) |  NEW! NEW! NEW! |
| 296268801 | 10" (25 cm) | |
| 296268802 | 12" (30 cm) | |
| BELL w/ TEETH w/ 2.375" A.P.I. (REG) | | |
| <i>Part #</i> | <i>Description</i> | |
| 296259154 | 6" (15 cm) |  NEW! NEW! NEW! NEW! |
| 296259155 | 8" (20 cm) | |
| 296259156 | 10" (25 cm) | |
| 296259157 | 12" (30 cm) | |
| SPIRAL SHARK w/ 2.375" A.P.I. (REG) w/24K SWIVEL | | |
| <i>Part #</i> | <i>Description</i> | |
| 296259065 | 6" (15 cm) |  NEW! NEW! NEW! NEW! |
| 296259067 | 8" (20 cm) | |
| 296259069 | 10" (25 cm) | |
| 296259071 | 12" (30 cm) | |

| BAR-CUTTER — 1.625" (4.1 cm) LPT/HEX | |  <p>BAR-CUTTER</p> |
|--|--------------------|--|
| <i>Part #</i> | <i>Description</i> | |
| 235032001 | 8" (20 cm) | |
| 235033001 | 10" (25 cm) | |
| WING-CUTTER — 1.625" (4.1 cm) LPT/HEX | |  <p>WING-CUTTER</p> |
| <i>Part #</i> | <i>Description</i> | |
| 235009001 | 4.5" (11.4 cm) | |
| 235029001 | 5" (13 cm) | |
| 235010001 | 6" (15 cm) | |
| 235011001 | 8" (20 cm) | |
| 235012001 | 10" (25 cm) | |
| HELICAL — 1.625" (4.1 cm) LPT/HEX | |  <p>HELICAL</p> |
| <i>Part #</i> | <i>Description</i> | |
| 235018001 | 6" (15 cm) | |
| 235019001 | 8" (20 cm) | |
| 235020001 | 10" (25 cm) | |
| 235021001 | 12" (30 cm) | |
| SUPER HELICAL — 1.625" (4.1 cm) LPT/HEX | |  <p>SUPER HELICAL</p> |
| <i>Part #</i> | <i>Description</i> | |
| 284803001 | 8" (20 cm) | |
| 284804001 | 10" (25 cm) | |
| 284805001 | 12" (30 cm) | |
| HELICAL PLUS — 1.625" (4.1 cm) LPT/HEX | |  <p>HELICAL PLUS</p> |
| <i>Part #</i> | <i>Description</i> | |
| 279555001 | 8" (20 cm) | |
| 279556001 | 10" (25 cm) | |
| 279557001 | 12" (30 cm) | |
| BELL W/ TEETH — 1.625" (4.1 cm) LPT/HEX | |  <p>BELL W/ TEETH</p> |
| <i>Part #</i> | <i>Description</i> | |
| 235022001 | 6.625" (16.8 cm) | |
| 235023001 | 8.625" (21.9 cm) | |
| 235024001 | 10.75" (27.3 cm) | |
| 235025001 | 12.75" (32.4 cm) | |

COMPACT HDD

VERMEER CONNECTION REAMERS

| SMOOTH BELL (NO TEETH) — 1.625" (4.1 cm) LPT/HEX | |  <p>SMOOTH BELL</p> |
|---|--------------------|--|
| <i>Part #</i> | <i>Description</i> | |
| 235001001 | 6.5" (16.5 cm) | |
| 235002001 | 8.5" (21.6 cm) | |

| SPIRAL/SHARK — 1.625" (4.1 cm) LPT/HEX | |  <p>SPIRAL NO TEETH</p> <p>SPIRAL/SHARK</p> |
|---|-------------------------|--|
| <i>Part #</i> | <i>Description</i> | |
| 235005001 | 4.5" (11.4 cm) NO TEETH | |
| 235006001 | 5.5" (14.0 cm) | |
| 235007001 | 6.625" (16.8 cm) | |
| 235008001 | 8.625" (21.9 cm) | |

| FLUTED/SHARK — 1.625" (4.1 cm) LPT/HEX | |  <p>FLUTED/SHARK</p> |
|---|--------------------|--|
| <i>Part #</i> | <i>Description</i> | |
| 235058001 | 4.5" (11.4 cm) | |
| 235059001 | 6" (15 cm) | |
| 235060001 | 8" (20 cm) | |
| 235061001 | 10" (25 cm) | |
| 235062001 | 12" (30 cm) | |

| FLUTED/SHARK — 2.75" (7.0 cm) SPLINELOK I | |  <p>FLUTED SHARK</p> |
|--|--------------------|---|
| <i>Part #</i> | <i>Description</i> | |
| 280002001 | 6" (15 cm) | |
| 280003001 | 8" (20 cm) | |

| FLUTED/ROTARY — 1.625" (4.1 cm) LPT/HEX | |  <p>4.5" FLUTED/ROTARY</p> |
|--|--------------------|---|
| <i>Part #</i> | <i>Description</i> | |
| 235013001 | 4.5" (11.4 cm) | |
| 235014001 | 6" (15 cm) | |
| 235015001 | 8" (20 cm) | |
| 235016001 | 10" (25 cm) | |
| 235017001 | 12" (30 cm) | |

| FLUTED/SHARK (w/o SWIVEL) — 1.625" (4.1 cm) LPT/HEX | |  <p>FLUTED/SHARK W/O SWIVEL</p> |
|--|--------------------|--|
| <i>Part #</i> | <i>Description</i> | |
| 281418001 | 6" (15 cm) | |
| 281419001 | 8" (20 cm) | |

PL8000, D7x11, D7x11A, D7x11A QS, D10x15

SWIVELS

| <i>Part #</i> | <i>Description</i> |
|---------------|---|
| 235086001 | SINGLE EYE 1.63" (4.1 cm) 7000 lb (3175 kg) |
| 235038001 | SINGLE EYE 1.63" (4.1 cm) 24,000 lb (10,886 kg) |
| 296258121 | DOUBLE EYE 10,000 lb (4536 kg) |



7000 LB



SINGLE EYE



DOUBLE EYE

ORDER TODAY! CALL 1-866-VERMEER

