A welder wearing a blue protective suit and a welding mask is working on a metal structure. A large, intense burst of bright orange and yellow sparks is erupting from the point of contact, creating a dramatic visual effect. The background is dark, emphasizing the bright sparks and the welder's gear.

Plowing Systems,
Horizontal Compaction
Boring Tools
& Accessories

American Made by American Craftsmen

FEATURED PRODUCTS FROM TRIPLE D

Heavy Duty Rock Heads

With Replaceable Carbide Bits

Page 10

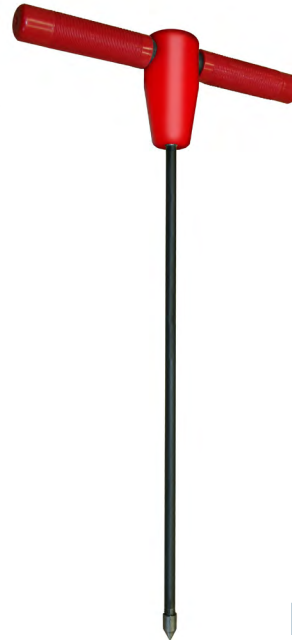


Item #HDRH-10200

Insulated Soil Probes

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Item #ISP-36



Electrical Protection
up to 45,000 volts

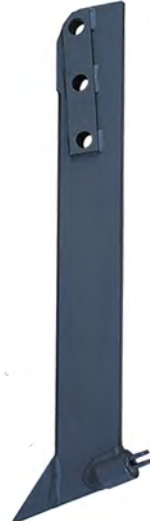
CVMT & CVST Chute Blades

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VST & VMT Pull Blades

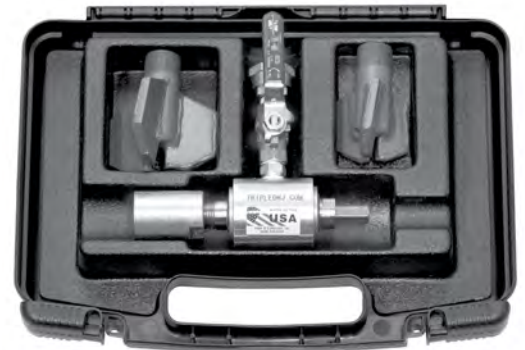
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For Toro RT600, RT1200, & Case 560 thru 860
(P85, P95 & P105) Plows

Power Bore

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Roto Bore XD

Page 4

Hex drive
Carbide point std.

100% Chrome-moly steel

Push-button lock



Rock bit
Optional

Ditch Witch
Connection

Shown With New "optional" Rock Bit

**CALL AND ASK ABOUT OUR CUSTOM DESIGN SERVICES
FOR PULLING AND CHUTE BLADES!**

PRODUCT FEATURES & BENEFITS

Plowing Blades and Plowing Accessories

Triple D's primary mission is to provide Contractors "Quality Engineered Products designed to Reduce Down Time, Lower Maintenance Costs and Save Time and Money." To this end, we offer the following information for your consideration:

VIBRATORY PLOWING BLADES

MATERIAL: Except for VALU-BLADES, Triple D plowing blades are manufactured from Ballistic Armor Steel. This is the same grade the U.S. Army uses to armor it's field vehicles. All 1/4" thick plowing blades have a minimum tensile strength of 225,000 psi and a Brinell hardness of 500 (55 Rc). All other Triple D blades have a minimum tensile strength of 180,000 psi and a Brinell hardness of 400 (45 Rc). Most OEM blades have a tensile strength of 100,000 psi and therefore, are not as strong or durable as Triple D's. Additionally, Triple D plowing blades are "thru-hardened" and are guaranteed to be as hard in the center as they are at the surface.

BUSHING, REAMER/BULLET*:

Except as noted, all pulling blades have a precision machined, hardened alloy steel bushing welded to the bottom of the blade (optional on all chute blades). These proprietary bushings provide two unique benefits: 1) a choice of four "interchangeable reamer/bullet" diameters and 2) the use of threaded adapters and lost-motion devices for fast assembly and disassembly. These features provide contractors with greater plowing flexibility and less operational down time.

"HARD GROUND" TOE & BULLET OPTION: A very cost effective blade option for plowing in extremely hard and difficult soil conditions such as hardpan and shale. The "Toe" is manufactured from quality abrasive resistant steel for strength and durability. On pulling and "Combo" chute blades with a replaceable bullet, this option is available on an "Even exchange

basis." An upgrade charge is applicable on all other plowing blades.

A severe duty (SD) bullet system is optional on all plow blades 5/8" thick or thicker with a pull-depth rating of 16 inches or more.

REAMERS/BULLETS – CARBIDE TIPPED*: Triple D's standard duty plowing blades are designed to accept four (4) sizes of interchangeable carbide tipped blade reamers/bullets.

Since most blade wear occurs at the bottom front of the blade, carbide tipped reamers will, on average, double blade service life. Presently, there are four (4) carbide tipped reamer diameters that fit the B-100 and B-150 blade bushings – 1.5", 1.75", 2.0", and 2.5". The optional 1.75" thru 2.5" sizes have a layer of tungsten carbide impregnated hard-facing material applied to their flanges

that significantly increases their service life.

Our severe duty (SD) reamers are available in diameters from 2.0" thru 4.0", and only fit the B-1750 Bullet/Receiver.

ADJUSTABLE PLOWING DEPTH: Machined into each TL, TR, VS and VMT series plowing blade, is an additional set of machine mounting holes. This allows the contractor to vary plowing depth 3 inches on Case and Vermeer plows and 6" on P85 & P95 plows.

*Not applicable to the Traction style and Valu-Blades.



Manufacturing on the cutting edge of the 21st Century



**New expanded facility
with spacious, clean work environment.**

LOST-MOTION ASSEMBLIES

The purpose of a lost motion assembly is to isolate expensive pipe and cable gripping devices from the reciprocating motion of a plowing blade. Since most vibratory plows vibrate at the rate of 2,000 strokes per minute, directly connecting a gripping device to a plowing blade will cause it to fail prematurely.

Triple D offers several lost-motion assemblies that cover just about every blade/gripping device combination on the market today. Most Triple D assemblies use threaded adapters for ease of attachment, and are manufactured from quality materials for long service life.

MAXI-GRIPS

Maxi-Grips are the most durable, convenient and economical pipe and cable gripping tools on the market today. They use a uniquely designed steel

nose-cone and a replaceable steel mesh grip. Each model has a wide gripping range that will accommodate several sizes of pipe and cable. For instance, an MG-125A will grip 3/4", 1" and 1 1/4" PVC and Poly pipe sizes. A contractor would need to purchase several competitors' gripping devices to pull the same pipe sizes.

Gripping and releasing pipe and cable is much easier and faster than other devices – **NO CLAMPS, CUTTER, HAMMER, DRILL OR TAPE REQUIRED.**

Mesh-grip service life is greatly increased, because it is protected by the solid steel nose-cone and sleeve. Also, when necessary, mesh-grips are easily and inexpensively replaced within a few minutes with a hammer and pin punch.

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Curb/Service Keys Commercial Series

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WARRANTY.....

ROTO-BORE® XD

Dry Compaction Bits

**With Replaceable CARBIDE POINT* and exclusive
DOUBLE SQUARE THREAD for faster drilling.**

Hex drive
Carbide point std.

100% Chrome-moly steel

Push-button lock



Rock bit
Optional

Ditch Witch Lock

Shown With New "optional" Rock Bit

The new **ROTO-BORE® XD** dry compaction bit from Triple D features a revolutionary new design that enables fast penetration and longer tool life with far less thrust pressure so you can get the job done quickly!

All **ROTO-BORE BITS** are machined from solid chrome-moly steel bar stock on state-of-the-art CNC lathes and machining centers. All bits are quenched and tempered to an average tensile strength of 153,000 psi for optimum strength and toughness.

The replaceable fluted carbide point uses an innovative, premium carbide that will significantly increase productivity and profitability by boring up to 40% faster and lasting up to 300% longer than standard style bits.

* Point can be changed within minutes.

ROTO-BORE® PUSH BUTTON XD BITS

| Part No. | Bit Diameter | Hex Size |
|-----------------|--------------|----------|
| XD-01175 | 1.75" | 13/16" |
| XD-01200 | 2.00" | 13/16" |
| XD-01250 | 2.50" | 13/16" |
| XD-01300 | 3.00" | 13/16" |
| XD-02175 | 1.75" | 1" |
| XD-02200 | 2.00" | 1" |
| XD-02250 | 2.50" | 1" |
| XD-02300 | 3.00" | 1" |

REPLACEMENT CARBIDE POINT

| Part No. | Bit Diameter | Connector Size |
|---------------|--------------|----------------|
| XD-100 | ALL | All |



DITCH WITCH "XD" COMPACTION BITS

| Part No. | Bit Diameter | Hex Size |
|-----------------|--------------|-----------|
| XD-03175 | 1.75" | 7/8" D.W. |
| XD-03200 | 2.00" | 7/8" D.W. |
| XD-03250 | 2.50" | 7/8" D.W. |
| XD-03300 | 3.00" | 7/8" D.W. |



TORO/CASE/ASTEC "XD" COMPACTION BITS

| Part No. | Bit Diameter | Hex Size |
|-----------------|--------------|-----------|
| XD-04175 | 1.75" | 7/8" Case |
| XD-04200 | 2.00" | 7/8" Case |
| XD-04250 | 2.50" | 7/8" Case |
| XD-04300 | 3.00" | 7/8" Case |

ROTO-BORE®

"Standard" Dry Compaction Bits

Now With Double Square Thread For Faster Boring*

These high quality tools are for dry-boring in clay and other compressible soils. They are self-feeding and produce clean, compacted borings.

All **ROTO-BORE BITS** are machined from solid chrome-moly steel bar stock on state-of-the-art CNC lathes and machining centers. All bits are quenched and tempered to an average tensile strength of 153,000 psi for optimum strength and toughness.

The bit's screw thread is much heavier than most competitors' designs. This heavy-duty design assures contractors a long service life and lower operating costs.



| PUSH BUTTON LOCK | | |
|------------------|--------------|----------|
| Part No. | Bit Diameter | Hex Size |
| M-01150 | 1.50" | 13/16" |
| M-01175 | 1.75" | 13/16" |
| M-01200 | 2.00" | 13/16" |
| M-01250 | 2.50" | 13/16" |
| M-01300 | 3.00" | 13/16" |
| M-02150 | 1.50" | 1" |
| M-02175 | 1.75" | 1" |
| M-02200 | 2.00" | 1" |
| M-02250 | 2.50" | 1" |
| M-02300 | 3.00" | 1" |

*Excludes 1.5" Mole

Note: For larger holes than those above, use ROTO-BORE BITS in conjunction with our dry compaction ROTO-BORE REAMERS.



Ditch Witch Connector

| DITCH WITCH STD. COMPACTION BITS | | |
|----------------------------------|--------------|-----------|
| Part No. | Bit Diameter | Hex Size |
| M-03150 | 1.50" | 7/8" D.W. |
| M-03175 | 1.75" | 7/8" D.W. |
| M-03200 | 2.00" | 7/8" D.W. |
| M-03250 | 2.50" | 7/8" D.W. |
| M-03300 | 3.00" | 7/8" D.W. |



Case/Astec Connector

| TORO/CASE/ASTEC STD. COMPACTION BITS | | |
|--------------------------------------|--------------|-----------|
| Part No. | Bit Diameter | Hex Size |
| M-04150 | 1.50" | 7/8" Case |
| M-04175 | 1.75" | 7/8" Case |
| M-04200 | 2.00" | 7/8" Case |
| M-04250 | 2.50" | 7/8" Case |
| M-04300 | 3.00" | 7/8" Case |

MODULAR SANDMOLE

The **Modular Sandmole** offers extra long flighting for use in unfavorable sand conditions where a cave-in is possible.

Generally, a front section is used along with one back section to create a 37" long sandmole. For better performance, you can use additional back sections to increase length, pull and stability.

Front and back sections are machined from solid chrome-moly alloy steel billets for strength and

durability. Each section is heat treated to an average tensile strength of 150,000 psi.

Rear Section



Front Section



| MODULAR SANDMOLE - 1.5" DIA | | |
|-----------------------------|---------------|----------|
| Part No. | Description | Hex Size |
| SM-01150F | Front Section | 13/16" |
| SM-01150R | Rear Section | 13/16" |

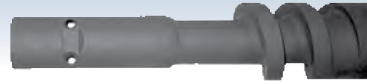
ROTO-BORE®

Dry Compaction Reamers

Used to enlarge holes in compressible soil, these high quality back-reamers are self-feeding and produce clean, compacted holes.

ROTO-BORE REAMERS are machined from **solid chrome-moly steel bar stock** on state-of-the-art CNC lathes and machining centers. All reamers are heat-treated to an average tensile strength of 153,000 psi for optimum strength and toughness.

Note: For maximum performance and tool life, back-reaming should be done incrementally, one-inch at a time, i.e. 2", 3" etc.



CASE/ASTEC (CLIP-TYPE) DRY COMPACTION REAMERS

| Part No. | Bit Diameter | Hex Size | Barrel End |
|----------|--------------|----------|------------|
| R-04200 | 2.00" | 7/8" | Swivel |
| R-04250 | 2.50" | 7/8" | Swivel |
| R-04300 | 3.00" | 7/8" | Swivel |
| R-04350 | 3.50" | 7/8" | Swivel |
| R-04400 | 4.00" | 7/8" | Swivel |
| R-04450 | 4.50" | 7/8" | Swivel |
| R-04500 | 5.00" | 7/8" | Swivel |
| R-04600 | 6.00" | 7/8" | Swivel |



PUSH BUTTON LOCK

| Part No. | Reamer Diameter | Hex Size | Barrel End |
|----------|-----------------|----------|------------|
| R-01200 | 2.00" | 13/16" | Swivel |
| R-01250 | 2.50" | 13/16" | Swivel |
| R-01300 | 3.00" | 13/16" | Swivel |
| R-01350 | 3.50" | 13/16" | Swivel |
| R-01400 | 4.00" | 13/16" | Swivel |
| R-01450 | 4.50" | 13/16" | Swivel |
| R-02200 | 2.00" | 1.0" | Swivel |
| R-02250 | 2.50" | 1.0" | Swivel |
| R-02300 | 3.00" | 1.0" | Swivel |
| R-02350 | 3.50" | 1.0" | Swivel |
| R-02400 | 4.00" | 1.0" | Swivel |
| R-02450 | 4.5" | 1.0" | Swivel |
| R-02500 | 5.0" | 1.0" | Swivel |
| R-02600 | 6.0" | 1.0" | Swivel |



DITCH WITCH DRY COMPACTION REAMERS

| Part No. | Bit Diameter | Hex Size | Barrel End |
|----------|--------------|-----------|------------|
| R-03200 | 2.00" | 7/8" D.W. | Swivel |
| R-03250 | 2.50" | 7/8" D.W. | Swivel |
| R-03300 | 3.00" | 7/8" D.W. | Swivel |
| R-03350 | 3.50" | 7/8" D.W. | Swivel |
| R-03400 | 4.00" | 7/8" D.W. | Swivel |
| R-03450 | 4.50" | 7/8" D.W. | Swivel |
| R-03500 | 5.00" | 7/8" D.W. | Swivel |
| R-03600 | 6.00" | 7/8" D.W. | Swivel |

SWIVEL REPAIR KITS

The following three Swivel Repair Kits are available for Triple D compaction backreamers. Each Kit contains a forged steel eye, mounting bolt and special nut. **Welding is required.**



* These swivels do not rotate under load. They will only release torsional load when pulling load is relieved.

SWIVEL REPAIR KIT

| Part No. | Fits |
|----------|-------------------------|
| SRK-200 | 2.0" & 2.5" BACKREAMERS |
| SRK-300 | 3.0" & 3.5" BACKREAMERS |
| SRK-400 | 4.0" & 4.5" BACKREAMER |

ROTO-BORE®

Solid Drill Rods

High quality drill rods for drilling the most difficult soil conditions. All drill rods are constructed of **solid** chrome-moly steel bars that are heat-treated to an average tensile strength of 153,000 psi for optimum strength, toughness and flexibility.

PERFORMANCE FEATURES

1. Convenient **"Push Button"** lock for quick assembly and disassembly.
2. Solid, heat treated, drill rod shafts for strength, durability and flexibility – 7/8" and 1" available.
3. Available in **13/16" HEX** or Heavy-Duty **1" HEX** Drive Connectors.
4. Versatile and convenient drill rod lengths of **2', 4', 5', 8', and 10'**.
5. **Adapters** available to fit most popular drilling equipment.



100% CHROME-MOLY STEEL CONSTRUCTION

| SOLID DRILL RODS | | | |
|------------------|--------|-----------|------------|
| Part No. | Length | Hex Drive | Shaft Dia. |
| DR-24 | 2 FT. | 13/16" | 7/8" |
| DR-48 | 4 FT. | 13/16" | 7/8" |
| DR-60 | 5 FT. | 13/16" | 7/8" |
| DR-96 | 8 FT. | 13/16" | 7/8" |
| DR-120 | 10 FT. | 13/16" | 7/8" |
| DR-48X | 4 FT. | 13/16" | 1" |
| DR-60X | 5 FT. | 13/16" | 1" |
| DR-96X | 8 FT. | 13/16" | 1" |
| DR-120X | 10 FT. | 13/16" | 1" |
| DR-02-48 | 4 FT. | 1" | 1" |
| DR-02-60 | 5 FT. | 1" | 1" |
| DR-02-96 | 8 FT. | 1" | 1" |
| DR-02-120 | 10 FT. | 1" | 1" |



DRILL ROD REPLACEMENT ENDS/SHANKS



| REPLACEMENT HEX SHANKS | | |
|------------------------|-----------|----------|
| Part No. | Hex Drive | Rod Dia. |
| HS-1316 | 13/16" | 7/8" |
| HS-1316X | 13/16" | 1" |
| HS-2100 | 1" | 1" |
| HS-2100A | 1" | 7/8" |

| BUTTON REPAIR KIT* | |
|--------------------|-----------|
| Part No. | Hex Drive |
| BRK-1316 | 13/16" |
| BRK-2000 | 1" |

*Kit contains 5 Buttons, 5 Springs, 5 Stainless Steel Retainer Screws and one (1) Hex Wrench.

| REPLACEMENT HEX SOCKETS | | |
|-------------------------|-----------|----------|
| Part No. | Hex Drive | Rod Dia. |
| S0-1316 | 13/16" | 7/8" |
| S0-1316X | 13/16" | 1" |
| S0-2100 | 1" | 1" |

H.D. DITCH WITCH

Solid Drill Rods

Latch Style Shank 1" Dia. Drill Shaft Latch Style Socket



100% CHROME-MOLY TOOL STEEL

For contractors that prefer the Ditch Witch style drill rod connector (Latch Style), but desire the strength and rigidity of a 1" diameter drill rod shaft for straighter drilling and control, Triple D has developed a new heavy duty series of drill rods that are interchangeable with Ditch Witch horizontal drill rods and tooling.

The heavy duty rod shafts and connectors are manufactured from chrome-moly tool steel that is heat-treated to an average tensile strength of 153,000 psi for strength, toughness and rigidity.

Note: Ditch Witch is a registered trademark of The Charles Machine Works, Inc. of Perry, OK, and is used for reference purposes only.

| H.D. DITCH WITCH DRILL RODS | | | |
|-----------------------------|--------|-----------|------------|
| Part No. | Length | Hex Drive | Shaft Dia. |
| DR-03-48X | 4' | 7/8" D.W. | 1" |
| DR-03-60X | 5' | 7/8" D.W. | 1" |
| DR-03-96X | 8' | 7/8" D.W. | 1" |
| DR-03-120X | 10' | 7/8" D.W. | 1" |

| DRILL ROD REPLACEMENT PARTS | |
|-----------------------------|-------------------------------------------|
| Part No. | Description |
| HS-03-875 | Hex Shank for 7/8" dia. Shaft |
| HS-03-875A | Hex Shank for 1" dia. Shaft |
| HS-03-910* | Hex Shank for Factory Rods |
| S0-03-875 | Hex Socket for 7/8" dia. Shaft |
| S0-03-875A | Hex Socket for 1" dia. Shaft |
| S0-03-910* | Hex Socket for Factory Rods |
| LK-100 | Latch Kit for Ditch Witch drill rod shank |

* Fits Ditch Witch factory rods.

CLIP-TYPE DRILL RODS

(TORO/CASE CLIP CONNECTOR*)

Clip-Type Socket Solid Steel Shaft Clip-Type Shank



100% CHROME-MOLY STEEL CONSTRUCTION

Triple D's ROTO-BORE® drill rods are now available with "Clip-type" TORO/CASE* connectors.

Our Clip-type drill rods feature the same high quality, heat-treated, solid chrome-moly steel shafts used in our popular push-button type drill rods. The Clip-type hex shanks and sockets are also manufactured from the same high quality, solid chrome-moly steel for strength and toughness. Average tensile strength of these drill rods is 150,000 p.s.i.

Clip-type drill rods are available in 5 ft., 8 ft., and 10 ft. lengths, and with 7/8" or 1" dia. shafts.

CLIP-TYPE REPLACEMENT PARTS

| Part No. | Shaft Diameter | Rod Length |
|-------------------|----------------|------------|
| DRC-60 | 7/8" | 60" |
| DRC-96 | 7/8" | 96" |
| DRC-120 | 7/8" | 120" |
| DRC-02-60 | 1" | 60" |
| DRC-02-96 | 1" | 96" |
| DRC-02-120 | 1" | 120" |

CLIP-TYPE REPLACEMENT PARTS

| Part No. | Description |
|-------------------|------------------------------------|
| HS-04-875 | HEX SHANK FOR 7/8" SHAFT |
| HS-04-875A | HEX SHANK FOR 1" SHAFT |
| SO-04-875 | HEX SOCKET FOR 7/8" SHAFT |
| SO-04-875A | HEX SOCKET FOR 1" SHAFT |
| CL-1000 | "CLIPS" FOR CONNECTORS (PACK OF 5) |

*CASE is a trademark of Fiat Corp.

Water/Air Swivel

Engineered for High-Torque Boring Tools



Triple D's heavy-duty water/air swivel is designed with o-ring seals, bronze bearings, grease fittings and a heat-treated chrome-moly steel shaft for high torque applications. May be used on trenchers with mounted boring attachment and our high strength hollow drill rods.

ROTO-BORE® Water/Air Swivel

| Part No. | Description |
|-----------------|----------------------------------|
| WAS-1000 | SWIVEL BODY |
| WAS-2000 | 7/8" ROD COUPLING |
| WAS-2100 | 1.0" ROD COUPLING |
| WAS-5000 | 13/16" HEX DRIVE SHANK |
| WAS-6000 | 1.0" HEX DRIVE SHANK |
| WAS-7000 | 7/8" HEX DITCH WITCH DRIVE SHANK |
| WAS-8000 | 1.0" ROUND DRIVE SHANK |
| WAS-9000 | 7/8" HEX ASTEC/CASE DRIVE SHANK |

DRILL ROD "LOCK" HARDWARE

To insure quality control, the following Drill Rod "LOCK" hardware is manufactured by TRIPLE D. The two lock "buttons" and "latch" are manufactured from chrome-moly steel, then quenched and tempered to an average tensile strength of 150,000 p.s.i. For toughness.

REPLACEMENT HARDWARE

| Part No. | Description | Package Quantity |
|------------------|-----------------------------------|------------------|
| BRK-1316* | Button Repair Kit for 13/16" Hex | 5 |
| BRK-2000* | Button Repair Kit for 1" Hex | 5 |
| LK-100 | Latch Repair Kit for Ditch Witch | 1 |
| CL-1000 | "Clips" for Clip-Type Rods – Case | 5 |

* Includes one (1) hex wrench.



LK-100 Fits Ditch Witch & Triple D



CL-1000 Fits Clip-type Rods



BRK-1316* Fits 13/16" Hex

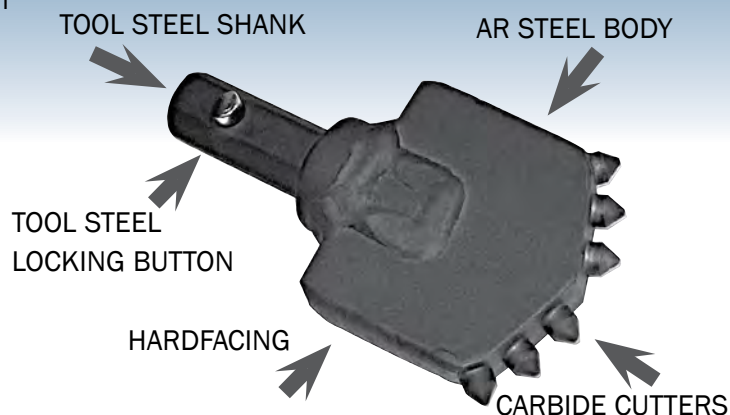


BRK-2000* Fits 1" Hex

SPADE ROCK HEAD*

Triple D's "Spade Rock Heads" are manufactured from the finest tool steel and carbide available to create one aggressive, tough, long lasting and inexpensive drill bit. Conical carbide cutters are strategically positioned to aggressively drill through those nasty soils. The heat-treated, abrasive resistant steel body is 3/4" thick and is hard-faced on all major wear edges for long life.

Best used with a Lead Auger to remove millings.



SPADE ROCK HEADS

| Part No. | Bit Diameter | Hex Size | H.D Rock Heads Fits | Model No. | Bit Diameter | Hex Size | Fits |
|------------------|--------------|----------|---------------------|------------------|--------------|----------|-------------|
| SRH-01300 | 3.0" | 13/16" | Triple D | SRH-03300 | 3.0" | 7/8" | Ditch Witch |
| SRH-01350 | 3.5" | 13/16" | Triple D | SRH-03350 | 3.5" | 7/8" | Ditch Witch |
| SRH-01400 | 4.0" | 13/16" | Triple D | SRH-03400 | 4.0" | 7/8" | Ditch Witch |
| SRH-01450 | 4.5" | 13/16" | Triple D | SRH-03450 | 4.5" | 7/8" | Ditch Witch |
| SRH-02300 | 3.0" | 1" | Triple D | SRH-04300 | 3.0" | 7/8" | Case/Astec |
| SRH-02350 | 3.5" | 1" | Triple D | SRH-04350 | 3.5" | 7/8" | Case/Astec |
| SRH-02400 | 4.0" | 1" | Triple D | SRH-04400 | 4.0" | 7/8" | Case/Astec |
| SRH-02450 | 4.5" | 1" | Triple D | SRH-04450 | 4.5" | 7/8" | Case/Astec |

* Not for Solid Rock.

HEAVY DUTY ROCK HEADS*

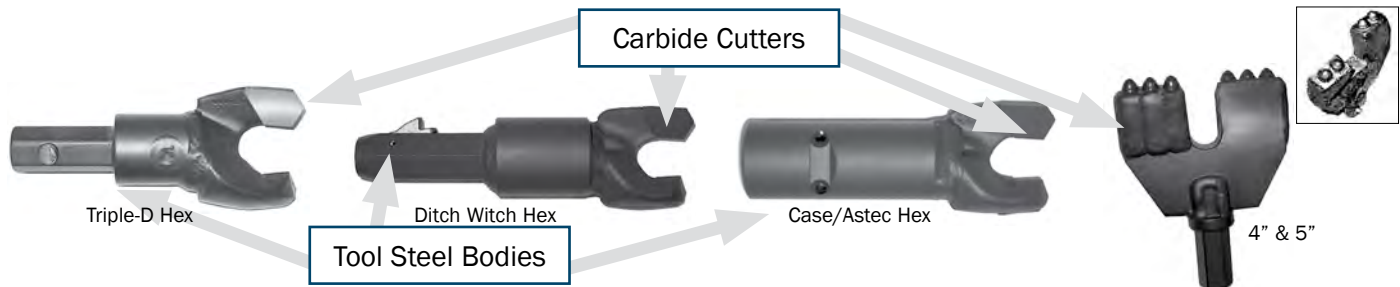
With Fixed Carbide Cutters

These Heavy Duty Rock Heads are designed for drilling holes in hard clays, shale, hardpan, sandstone and root impregnated areas. The cutting faces and edges are coated with tungsten carbide impregnated hardfacing material for maximum durability. The tool bodies are manufactured from chrome-moly tool steel, and the carbide cutting blades are made in the USA.

NOTE: for maximum performance and bit life, use these bits with a Lead Auger to remove millings from boring.

| Part No. | Bit Diameter | Hex Size | H.D Rock Heads Fits | H.D Rock Heads Model No. | Bit Diameter | Hex Size | Fits |
|----------|--------------|----------|---------------------|--------------------------|--------------|----------|-------------|
| RH-1175 | 1.75" | 13/16" | Triple D | RH-3175 | 1.75" | 7/8" | Ditch Witch |
| RH-1200 | 2.00" | 13/16" | Triple D | RH-3200 | 2.00" | 7/8" | Ditch Witch |
| RH-1250 | 2.50" | 13/16" | Triple D | RH-3250 | 2.50" | 7/8" | Ditch Witch |
| RH-1300 | 3.00" | 13/16" | Triple D | RH-3300 | 3.00" | 7/8" | Ditch Witch |
| RH-1400* | 4.00" | 13/16" | Triple D | RH-3400 | 4.00" | 7/8" | Ditch Witch |
| RH-1500* | 5.00" | 13/16" | Triple D | RH-3500 | 5.00" | 7/8" | Ditch Witch |
| RH-2175 | 1.75" | 1" | Triple D | RH-4175 | 1.75" | 7/8" | Case/Astec |
| RH-2200 | 2.00" | 1" | Triple D | RH-4200 | 2.00" | 7/8" | Case/Astec |
| RH-2250 | 2.50" | 1" | Triple D | RH-4250 | 2.50" | 7/8" | Case/Astec |
| RH-2300 | 3.00" | 1" | Triple D | RH-4300 | 3.00" | 7/8" | Case/Astec |
| RH-2400* | 4.00" | 1" | Triple D | RH-4400 | 4.00" | 7/8" | Case/Astec |
| RH-2500* | 5.00" | 1" | Triple D | RH-4500 | 5.00" | 7/8" | Case/Astec |

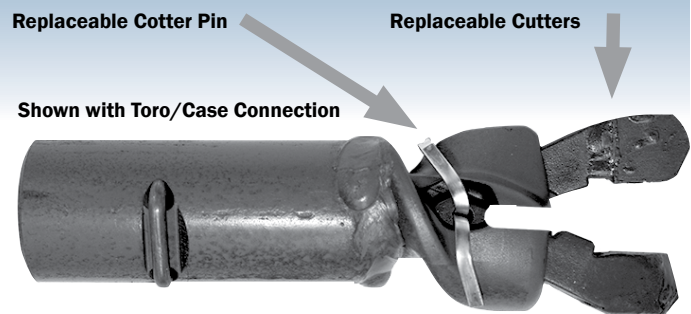
*Not for solid rock



HEAVY DUTY ROCK HEADS

With Replaceable Carbide Cutter Bits

| HD ROCK HEADS WITH REPLACEABLE CARBIDE CUTTER BITS | | |
|----------------------------------------------------|---------------------------------|-----------|
| Part No. | Bit Diameter | Hex Size |
| HDRH-10200 | 2.00" | 13/16" |
| HDRH-20200 | 2.00" | 1" |
| HDRH-30200 | 2.00" | 7/8" D.W. |
| HDRH-40200 | 2.00" | 7/8" Case |
| HDRH-50000 | Replacement Carbide Cutting Bit | |
| HDRH-50100 | Replacement Cotter Pin | |



LEAD AUGERS

For Use With Rock and Soil Boring Heads

Lead augers are used behind rock heads to capture and remove millings when they are withdrawn from the bore hole. SOLID ROD!



| LEAD AUGERS | | | | | | | | |
|-------------|----------|--------|------------|--|------------|----------|--------|------------|
| Part No. | Diameter | Length | Drive Size | | Part No. | Diameter | Length | Drive Size |
| A-011875-4 | 1 7/8" | 4 ft. | 13/16" Hex | | A-031875-4 | 1 7/8" | 4 ft. | 7/8" DW |
| A-012375-4 | 2 3/8" | 4 ft. | 13/16" Hex | | A-032375-4 | 2 3/8" | 4 ft. | 7/8" DW |
| A-012875-4 | 2 7/8" | 4 ft. | 13/16" Hex | | A-032875-4 | 2 7/8" | 4 ft. | 7/8" DW |
| A-013250-4 | 3 1/4" | 4 ft. | 13/16" Hex | | A-033250-4 | 3 1/4" | 4 ft. | 7/8" DW |
| A-013500-4 | 3 1/2" | 4 ft. | 13/16" Hex | | A-033500-4 | 3 1/2" | 4 ft. | 7/8" DW |
| A-014250-4 | 4 1/4" | 4 ft. | 13/16" Hex | | A-034250-4 | 4 1/4" | 4 ft. | 7/8" DW |
| A-021875-4 | 1 7/8" | 4 ft. | 1" Hex | | A-041875-4 | 1 7/8" | 4 ft. | 7/8" Case |
| A-022375-4 | 2 3/8" | 4 ft. | 1" Hex | | A-042375-4 | 2 3/8" | 4 ft. | 7/8" Case |
| A-022875-4 | 2 7/8" | 4 ft. | 1" Hex | | A-042875-4 | 2 7/8" | 4 ft. | 7/8" Case |
| A-023250-4 | 3 1/4" | 4 ft. | 1" Hex | | A-043250-4 | 3 1/4" | 4 ft. | 7/8" Case |
| A-023500-4 | 3 1/2" | 4 ft. | 1" Hex | | A-043500-4 | 3 1/2" | 4 ft. | 7/8" Case |
| A-024250-4 | 4 1/4" | 4 ft. | 1" Hex | | A-044250-4 | 4 1/4" | 4 ft. | 7/8" Case |

*5 ft. and 10 ft. lengths available upon request.

ROTO-BORE®

Soil Boring Heads*



| Push Button Type | |
|------------------|----------------------------------|
| Part No. | Description |
| SBH-01300 | 3.00" DIA. with 13/16" Hex Shank |
| SBH-01400 | 4.00" DIA. with 13/16" Hex Shank |
| SBH-01450 | 4.50" DIA. with 13/16" Hex Shank |
| SBH-02300 | 3.00" DIA. with 1" Hex Shank |
| SBH-02400 | 4.00" DIA. with 1" Hex Shank |
| SBH-02450 | 4.50" DIA. with 1" Hex Shank |

| Ditch Witch Type | |
|------------------|--------------------------------|
| Part No. | Description |
| SBH-03300 | 3.00" DIA. with D.W. Hex Shank |
| SBH-03400 | 4.00" DIA. with D.W. Hex Shank |
| SBH-03450 | 4.50" DIA. with D.W. Hex Shank |

| Case/Toro Type | |
|----------------|----------------------------------|
| Part No. | Description |
| SBH-04300 | 3.00" DIA. with CLIP-TYPE Socket |
| SBH-04400 | 4.00" DIA. with CLIP-TYPE Socket |
| SBH-04450 | 4.50" DIA. with CLIP-TYPE Socket |

* Highly recommended that lead augers be used with these bits.

ROTO-BORE®

Drilling Tool Adapters*

The following drilling tool adapters are used to attach Triple D's ROTO-BORE® drill rods and accessories to the listed boring equipment: .



| Triple D to Case/Astec Hydra-Borer | |
|------------------------------------|-----------------------------------------------------------------------------------|
| Part No. | Description |
| ADC-1000 | 1" round male to 7/8" clip-type male. |
| ADC-1200 | Clip-type male to 13/16" hex male. |
| ADC-1300 | 1" round male to 13/16" hex female. (Hydra-Borer U-Joint to Triple D) |
| ADC-2300 | 1" round male to 1" hex female. (Hydra-Borer U-Joint to Triple D) |
| ADC-1400 | Clip-type female to 13/16" hex female. |
| ADC-2400 | Clip-type female to 1" hex female. |
| ADC-1100 | Clip-type male to 13/16" hex female. (Triple-D bits & rods to Case drill rods) |
| ADC-2100 | Clip-type male to 1" hex female. (Triple-D bits & rods to Case drill rods) |

| Triple D to Vermeer | |
|---------------------|--------------------------------------------------------------------------------|
| Part No. | Description |
| ADV-1400 | 1" X 8 thd. female to 13/16" hex female. (Vermeer boring attachment to T-D) |
| ADV-2400 | 1" X 8 thd. female to 1" hex female. (Vermeer boring attachment to T-D) |

| Triple D to Ditch Witch | |
|-------------------------|-----------------------------------------------------------------------------|
| Part No. | Description |
| ADW-1000 | 1" round male to 7/8" Ditch Witch female. |
| ADW-1200 | 7/8" hex male to 13/16" hex female. (Roto-Witch to Triple D) |
| ADW-2200 | 7/8" hex male to 1" hex female. (Roto-Witch to Triple D) |
| ADW-1400 | 7/8" hex female to 13/16" hex female. |
| ADW-2400 | 7/8" hex female to 1" hex female. |
| ADW-1500 | 13/16" hex male to 7/8" hex female. (D.W. tooling to Triple D rods) |
| ADW-2500 | 1" hex male to 7/8" hex female. (D.W. tooling to Triple D rods) |
| ADW-1210 | 1 3/8" x 6 spline to 13/16" hex female. (Roto-Witch U-Joint to Triple D) |
| ADW-2210 | 1 3/8" x 6 spline to 1" hex female. (Roto-Witch U-Joint to Triple D) |
| ADW-3000 | 1 3/8" x 6 spline to 7/8" Ditch Witch socket |

Continued next page.

* The above adapters are the most commonly used. If you do not see what you need, call and we will be glad to make the adapter for you.

NOTE: All manufacturer's names, symbols, and descriptions are used for reference purposes only, and none of the products listed are the products of these manufacturers.

ROTO-BORE® ADAPTERS

Triple D To Triple D

Allows contractors to use Standard (13/16" Hex) drill rods with Heavy Duty (1" Hex) tools and vice-versa - Heavy Duty (1" Hex) drill rods with Standard (13/16" Hex) tooling.

| Part No. | Description |
|----------|------------------------------------|
| ATD-1500 | 13/16" Hex Male to 1" Hex Female |
| ATD-2500 | 1" Hex Male to 13/16" Hex Female |
| ATD-3000 | 1" Hex Female to 13/16" Hex Female |

Drill Adapter

| Part No. | Description |
|----------|----------------------------------|
| ATD-4000 | 1/2" Shank x 13/16" Hex Female |
| ATD-5000 | Spline Shank x 13/16" Hex Female |



ATD-1500



ATD-2500



ATD-3000

Accessories

Roto-Bore Swivel Shank*

An economical swivel that is manufactured from chrome-moly steel for strength and long service life. This swivel is used to pull back service when enlargement of the hole is not necessary.



CASE/TORO



HEX DRIVE

| Part No. | Connector |
|-----------|---------------------------------|
| SS-03-875 | 7/8" Ditch Witch Hex Connection |
| SS-04-875 | 7/8" Case/Astec Hex Connection |

| Part No. | Connector |
|----------|-------------|
| SS-1316 | 13"/16" HEX |
| SS-2000 | 1" HEX |

* Not for Rotational Pull Back

Heavy Duty PTO U-Joint Assembly Made in U.S.A.

A high quality, forged steel U-Joint designed to attach **ROTO-BORE®** drill rods to plow and trencher boring motors that are equipped with a 1 3/8" - 6 spline PTO Shaft. This unit must be used in conjunction with our ADC-1300 or ADC-2300 adapters to accommodate the Hex Shanks of our drill rods.



| Part No. | Description |
|----------|-----------------------------|
| UJA-100 | 1 3/8" - 6 Spline x 1" Bore |

Locking Button Pliers

Designed for fast and easy unlocking of button connectors. The pliers lock onto the rod end while depressing the button, allowing the use of both hands to disconnect the tool.

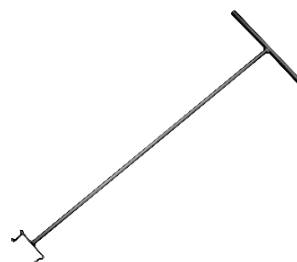


| Part No. | Description | Shank Size |
|----------|----------------|------------|
| LP-1000 | Locking Pliers | 13/16" |
| LP-2000 | Locking Pliers | 1" |

Roto-Bore® Drill Rod Guide

Used to align and support the Lead Drill Rod, just behind the Compaction Bit, at the start of the bore. This tool allows the operator's assistant to safely perform this task **while standing outside and to the right of the entrance trench.**

THE USE OF HANDS, FEET OR TOOLS OTHER THAN THE DRILL ROD GUIDE TO ALIGN THE BORE CAN RESULT IN SERIOUS BODILY INJURY OR DEATH.



| Part No. | Length |
|----------|--------|
| DRG-48 | 48" |

ROLLER BEARING PULLBACK SWIVEL

For Dry Compaction Boring

This roller bearing swivel is designed to isolate equipment's rotational torque from the pipe or cable being pulled through an underground boring. Several adapters are available to attach this swivel to various ROTO-BORE® tooling. The current selection of adapters include a weld-on stud for attachment to a backreamer and snap-in adapters for each of our drill rods.

This quality pullback swivel uses a roller thrust bearing assembly to handle thrust loads up to 4,000 lbs. For even greater anti-friction, anti-wear performance, the swivel also contains two additional bronze bearings and a recess protected grease fitting for flushing after each use.



CB-100



CB-300A



CB-400A



CB-500A

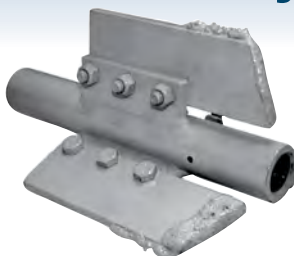


CB-700A

| Part No. | Description |
|----------------|---------------------------------------------|
| CB-100 | Pullback Swivel Assembly w/o Adapter |
| CB-100A | Replacement Bearing Kit for Pullback Swivel |
| CB-300A | Ditch Witch Adapter |
| CB-400A | Case/Astec Adapter |
| CB-500A | 1" Hex Adapter |
| CB-600A | 1 3/16" Hex Adapter |
| CB-700A | Weld-on Stud Adapter |

ROTO-BORE 1"- 8 THREADED WET/AIR ADJUSTABLE REAMERS

With Adjustable Reamer Blades

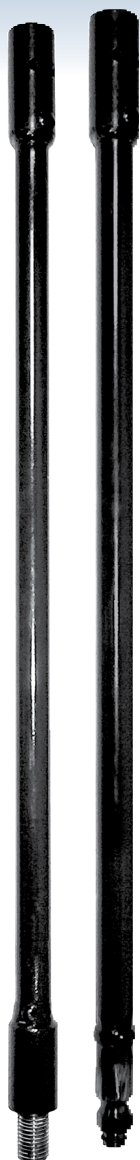


| Part No. | Description |
|------------------|---------------------------------------------------|
| RA-400AW | 4" Reamer, Complete with hardfaced Reamer Blades |
| RA-500AW | 5" Reamer, Complete with hardfaced Reamer Blades |
| RA-600AW | 6" Reamer, Complete with hardfaced Reamer Blades |
| RA-800AW | 8" Reamer, Complete with hardfaced Reamer Blades |
| RA-1000AW | 10" Reamer, Complete with hardfaced Reamer Blades |
| RA-1200AW | 12" Reamer, Complete with hardfaced Reamer Blades |

| Part No. | Description |
|-----------------|----------------------------------------|
| RAB-400 | 4" Hardfaced Adjustable Reamer Blades |
| RAB-500 | 5" Hardfaced Adjustable Reamer Blades |
| RAB-600 | 6" Hardfaced Adjustable Reamer Blades |
| RAB-800 | 8" Hardfaced Adjustable Reamer Blades |
| RAB-1000 | 10" Hardfaced Adjustable Reamer Blades |
| RAB-1200 | 12" Hardfaced Adjustable Reamer Blades |

ROTO-BORE®

Wet/Dry Boring Tools



| WET/AIR/DRY ALLOY TUBE DRILL RODS | |
|----------------------------------------------------------------------------|-----------------------------------------------------|
| Part No. | Description |
| CASE/ASTEC "CLIP-TYPE" CONNECTION | |
| DRC-02-60AW | 60" X CASE/ASTEC HEX DRIVE X 1" ALLOY TUBE |
| DRC-02-120AW | 120" X CASE/ASTEC HEX DRIVE X 1" ALLOY TUBE |
| 1" X 8 THREADED CONNECTION | |
| DRT-02-60AW | 60" X 1" THREADED CONNECTION X 1" ALLOY TUBE |
| DRT-02-120AW | 120" X 1" THREADED CONNECTION X 1" ALLOY TUBE |
| 7/8" X 9 THREADED CONNECTION | |
| DRT-78-60AW | 60" X 7/8" THREADED CONNECTION X 1" ALLOY TUBE |
| DRT-78-120AW | 120" X 7/8" THREADED CONNECTION X 1" ALLOY TUBE |
| CASE/ASTEC WET/AIR ROCK HEADS (SANDSTONE, LOOSE ROCK, SHALE) | |
| RH-4200AW | 2.00" DIA., CLIP-TYPE CONNECTOR W/THRU HOLE |
| RH-4250AW | 2.50" DIA., CLIP-TYPE CONNECTOR W/THRU HOLE |
| RH-4300AW | 3.00" DIA., CLIP-TYPE CONNECTOR W/THRU HOLE |
| 1" X 8 THREADED WET/AIR ROCK HEADS (SANDSTONE, LOOSE ROCK, SHALE) | |
| RH-5200AW | 2.00" DIA., 1" THREADED CONNECTOR |
| RH-5250AW | 2.50" DIA., 1" THREADED CONNECTOR |
| RH-5300AW | 3.00" DIA., 1" THREADED CONNECTOR |
| 7/8" X 9 THREADED WET/AIR ROCK HEADS (SANDSTONE, LOOSE ROCK, SHALE) | |
| RH-7200AW | 2.00" DIA., 7/8 THREADED CONNECTOR |
| RH-7250AW | 2.50" DIA., 7/8 THREADED CONNECTOR |
| RH-7300AW | 3.00" DIA., 7/8 THREADED CONNECTOR |
| REPLACEMENT WET/AIR SHANKS AND SOCKETS | |
| HS-04-562AW | CASE/ASTEC WET/AIR SHANK FOR 1" ALLOY DRILL TUBE |
| S0-04-875A | CASE/ASTEC HEX SOCKET FOR 1" ALLOY DRILL TUBE/SHAFT |
| HS-04-0 | "O" RING FOR CASE/ASTEC WET/AIR SHANK |
| S0-100 | SOCKET, THREADED 1" X 8 W/O SS |
| S0-100SS | SOCKET, THREADED 1" X 8 W/ SS |
| SOC-200 | CONNECTOR, THREADED W THRU HOLE, 1" X 8 THD |
| S0-780 | SOCKET, THREADED 7/8" X 9 W/O SS |
| S0-780SS | SOCKET, THREADED 7/8" X 9 W/ SS |
| SOC-700 | CONNECTOR, THREADED W/ THRU HOLE, 7/8" X 9 THD |

POWER-BORE

With Water Assist

No longer do you need to pound pipe, rods or use water jetting when you run pipe or wiring underground

**Durable, Lightweight, Affordable,
100% Made in the USA.**

SAVE TIME & MONEY by boring under Walkways, Driveways, Patios, Landscaping, & More.

Can be used in most soil conditions including sand, loam, hard clay, shale, and gravel/sand mix.

Small roots and stones will not stop it.

Kit Includes:

- Power-Bore Assembly
- 2" & 3" Boring Bits
- Machined alloy steel coupling for connecting customer supplied drillpipe to the Power-Bore Tool.
- Machined brass water valve and female hose coupling.
- Durable fitted plastic case.

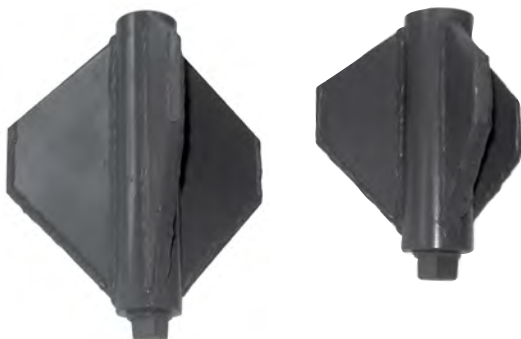
Additional items needed for use not included:

- ½" or larger industrial drill, turning a constant 300 to 500 RPM.
- Drill Pipe: ¾" sch 40 galvanized or black pipe threaded on both ends in 3' to 10' lengths. American made is recommended for strength and durability.
- Water Service.

Safety:

Always use a portable GFI receptacle with electric drill. Always notify the local one-call system prior to boring or plowing.

Always expose the utilities near your work by a non-destructive method before excavating, plowing or boring.



| Power-Bore | |
|----------------|--------------------------------------------|
| Part No. | Description |
| PB-9005 | Power Bore Kit w/2" & 3" Bits in Case |
| PB-9000 | Power Bore Swivel Assembly only |
| PB-8000 | Housing, Aluminum |
| PB-8005 | Drive Shaft, Heat Treated 4140 |
| PB-8007 | Hex Driver, Heat Treated 4140 |
| PB-8010 | Reducing Bushing, 1/2" NPTF x 3/4" NPS |
| PB-8012 | HD 3/4" NPS Pipe Coupling |
| PB-8015 | Pipe Nipple, 3/8" NPT, Brass Hex |
| PB-8020 | Adapter, Garden Hose, 3/8" NPTM x 3/4" GHF |
| PB-8025 | Ball Valve, 3/8" NPTF, Brass |
| PB-8030 | Retaining Ring, 7/8" Shaft Size |
| PB-8035 | O-Ring, Viton - 7/8" ID x 1/16" Sect. |
| PB-8040 | Flanged Sleeve Bearing, Bronze |
| PB-8125 | 1-1/4" Hardfaced Drill Bit |
| PB-8200 | 2" Hardfaced Drill Bit |
| PB-8300 | 3" Hardfaced Drill Bit |
| PB-8500 | 5" Hardfaced Reamer Bit |
| PB-8750 | 7-1/2" Hardfaced Reamer Bit |



"THIN-LINE"TM PLOWING BLADES

For Toro/Case/Astec, Vermeer LM25, LM35 & LM42, Burkeen B30*

Engineered for Performance

Thin-Line Plowing Blades offer outstanding quality, service life and flexibility at competitive prices. Their thin profile offers minimal turf disturbance while its replaceable carbide tipped reamer and heat treated alloy steel bushing insure substantially longer service life over standard blades. Two sets of mounting holes are machined into each blade to accommodate varying soil conditions and desired pull depth.

| Part No. | Dimensions | Adjustable Plowing Depth | Mounting Shims (Pair) |
|------------------|----------------|--------------------------|-----------------------|
| TL-912-A | 1/4" x 24" | 9" and 12" | S-10-500 |
| TL-912-B | 3/8" x 24" | 9" and 12" | S-10-437 |
| TL-912-C | 1/2" x 24" | 9" and 12" | S-10-375 |
| TL-1215-C | 1/2" x 26 1/2" | 12" and 15" | S-10-375 |
| TL-1518-C | 1/2" x 29 1/2" | 15" and 18" | S-10-375 |

Note: when ordering any of the above blades for a Toro/Case P60 plow, you **must specify** such, since the mounting pad is thicker.

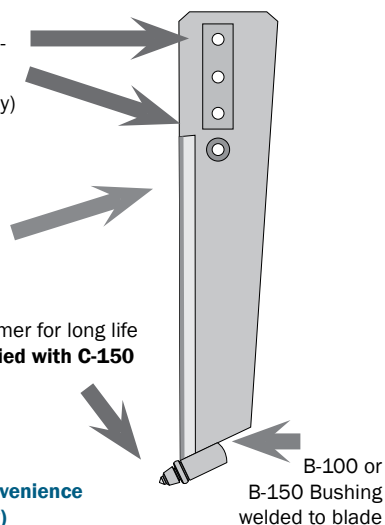
* The Burkeen plow design does not allow use of the adjustable plowing depth feature of Triple D blades. You can only use the top set of mounting holes.

Two sets of mounting holes provide two plowing depths
(Toro/Case & Vermeer plows only)

Optional Mounting Shims
(Sold separately)

Replaceable, carbide tipped reamer for long life and easy bullet tracking - **Supplied with C-150**

B-200 Screw-in adapter for convenience and flexibility - (Sold separately)



"PULL" BLADES

**For Toro RT600 & RT1200,
Case 560 thru 860 (P85, P95 & P105 Plows)**

| Part No. | Description |
|----------------|-------------------------------------------------|
| VMT-24E | Maxi-Trac Plowing Blade - 18" Or 24" Plow Depth |
| VMT-24F | Maxi-Trac Plowing Blade - 18" Or 24" Plow Depth |
| VMT-30F | Maxi-Trac Plowing Blade - 24" Or 30" Plow Depth |
| VMT-36F | Maxi-Trac Plowing Blade - 30" Or 36" Plow Depth |
| VMT-42H | Maxi-Trac Plowing Blade - 36" Or 42" Plow Depth |
| VMT-48H | Maxi-Trac Plowing Blade - 42" Or 48" Plow Depth |
| VST-24E | Standard Pulling Blade - 18" Or 24" Plow Depth |
| VST-24F | Standard Pulling Blade - 18" Or 24" Plow Depth |
| VST-30F | Standard Pulling Blade - 24" Or 30" Plow Depth |
| VST-36F | Standard Pulling Blade - 30" Or 36" Plow Depth |
| VST-42H | Standard Pulling Blade - 36" Or 42" Plow Depth |
| VST-48H | Standard Pulling Blade - 42" Or 48" Plow Depth |

| Blade Thickness | |
|-----------------|-------------------|
| A - 1/4" | E - 3/4" |
| B - 3/8" | F - 1" |
| C - 1/2" | H - 1 1/2" |
| D - 5/8" | |

Note: Hard Ground Toe & Rear Lug Are Standard Features





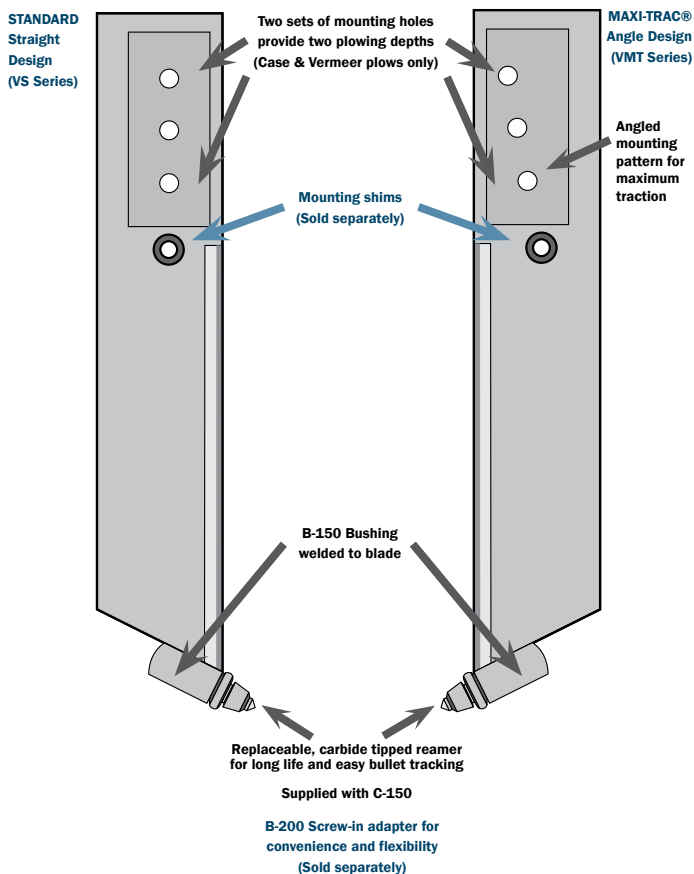
ENDURO PLOWING BLADES

**For Toro Pro Sneak, Vermeer LM25, LM35
& LM42, Burkeen B30*
(Case Mini & Maxi Sneakers)**

Engineered for Performance

Enduro Plowing Blades provide contractors maximum performance and service at an economical price. Our replaceable carbide tipped reamer insures substantially longer service life over standard blades. In addition, each blade is provided with two or three sets of mounting holes to accommodate varying soil conditions and desired plow depth.

Enduro "Maxi-Trac®" Blades deliver maximum machine traction in difficult soil conditions by "pulling" the machine towards the ground. This additional traction provides faster plowing during adverse conditions.



| Part No. | Blade Length | Average Plowing Depth | Mounting Shims (Pair) |
|-----------------|--------------|-----------------------|-----------------------|
| VS-13 D | 24" | 10" or 13" | S-10-312 |
| VS-16 D | 27" | 13" or 16" | S-10-312 |
| VS-18 D | 29" | 15" or 18" | S-10-312 |
| VS-24 D | 35" | 18", 21" or 24" | S-10-312 |
| VS-13 E | 24" | 10" or 13" | S-10-250 |
| VS-16 E | 27" | 13" or 16" | S-10-250 |
| VS-18 E | 29" | 15" or 18" | S-10-250 |
| VS-24 E | 35" | 18", 21" or 24" | S-10-250 |
| VS-30 E | 41" | 24", 27" or 30" | S-10-250 |
| VS-36 E | 47" | 30", 33" or 36" | S-10-250 |
| VS-18 F | 29" | 15" or 18" | S-10-125 |
| VS-24 F | 35" | 18", 21" or 24" | S-10-125 |
| VS-30 F | 41" | 24", 27" or 30" | S-10-125 |
| VS-36 F | 47" | 30", 33" or 36" | S-10-125 |
| VMT-13 C | 27" | 10" or 13" | S-10-375 |
| VMT-16 C | 30" | 13" or 16" | S-10-375 |
| VMT-18 C | 32" | 15" or 18" | S-10-375 |
| VMT-13 D | 27" | 10" or 13" | S-10-312 |
| VMT-16 D | 30" | 13" or 16" | S-10-312 |
| VMT-18 D | 32" | 15" or 18" | S-10-312 |
| VMT-13 E | 27" | 15" or 18" | S-10-250 |

HARD GROUND TOE OPTIONS

| Part No. | Description |
|-----------------|-----------------------------------------------|
| HGT-100X | HARD GROUND TOE OPTION W/REAR LUG |
| HGT-200X | HARD GROUND TOE OPTION W/REAR LUG & 2" BULLET |
| HGT-300X | HARD GROUND TOE OPTION W/REAR LUG & 3" BULLET |

NOTE: Part No. suffix code indicates blade thickness.

Blade Thickness

| | |
|-----------------|-------------------|
| A - 1/4" | E - 3/4" |
| B - 3/8" | F - 1" |
| C - 1/2" | H - 1 1/2" |
| D - 5/8" | |

* The Burkeen plow design does not allow use of the adjustable plowing depth feature of Triple D blades. You can only use the top set of mounting holes.

**Custom sizes available
upon request**



DELTA PLOWING BLADE

For Toro/Case/Astec, Vermeer LM25, LM35 & LM45, and Burkeen B30 Plows

Engineered for Performance

For exceptionally smooth plowing in turf, the new Delta blade is a premium series blade that plows with minimal lawn disturbance. Its new profile places the cutting edge in a near vertical position when cutting. This vertical cutting edge results in exceptionally smooth cutting of the turf and minimum heaving of the soil.

Only the finest materials and latest technology are used in manufacturing the Delta plowing blades.

Hard ground toe options



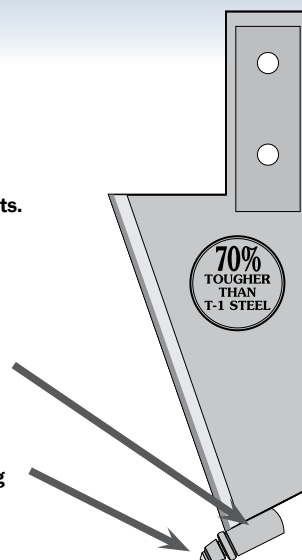
Quality high alloy steel.

Near vertical cutting edge when plowing - minimizes heaving and easily cuts small tree and shrub roots.

B-200 Screw-in adapter for convenience, flexibility and longevity - Sold separately.

B-150 bushing welded to blade

Replaceable Carbide tipped reamer for long life and easy bullet tracking
- Supplied with C-150.



| HARD GROUND TOE OPTIONS | |
|-------------------------|-----------------------------------------------|
| Part No. | Description |
| HGT-100X | HARD GROUND TOE OPTION W/REAR LUG |
| HGT-200X | HARD GROUND TOE OPTION W/REAR LUG & 2" BULLET |
| HGT-300X | HARD GROUND TOE OPTION W/REAR LUG & 3" BULLET |

| Part No. | Dimensions | Avg. Plowing Depth |
|----------|------------|--------------------|
| D-8C | 1/2" x 21" | 8" Fixed |
| D-10C | 1/2" x 23" | 10" Fixed |
| D-12C | 1/2" x 24" | 12" Fixed |

VALU-BLADE®

A new series of "basic quality" vibratory plowing blades designed for the budget oriented contractor. The VALU-BLADE is manufactured from quality Armor Tough Plate produced in the USA. Average tensile strength of this product is 100,000 psi.

Each blade is equipped with a one-piece, 1.5" diameter standard bullet and a rear lug for attachments. Other bullet diameters are available on an upgrade basis.



| DITCH WICH® | | |
|-------------|-----------------|------------|
| Part No. | Blade Thickness | Pull Depth |
| DWVB-10B | 3/8" | 10" |
| DWVB-12B | 3/8" | 12" |

*Fits 255sx through 410sx

| AVAILABLE BULLET SIZES | |
|------------------------|-----------------|
| Part No. | Diameter |
| BVB-150 | 1.5" |
| BVB-200 | 2.0" |
| BVB-200X | 2.0" (Exchange) |
| BVB-250 | 2.5" |
| BVB-250X | 2.5" (Exchange) |

| TORO/ASTEC/CASE, BURKEEM & VERMEER | | |
|------------------------------------|-----------------|------------|
| Part No. | Blade Thickness | Pull Depth |
| VB-912B | 3/8" | 9" or 12" |

| REPLACEMENT REAR LUG | |
|---------------------------|--|
| Part No. | |
| RL-100 (Requires Welding) | |





TURF SHARK

Plow Through Roots, Turf
and difficult soil with amazing ease



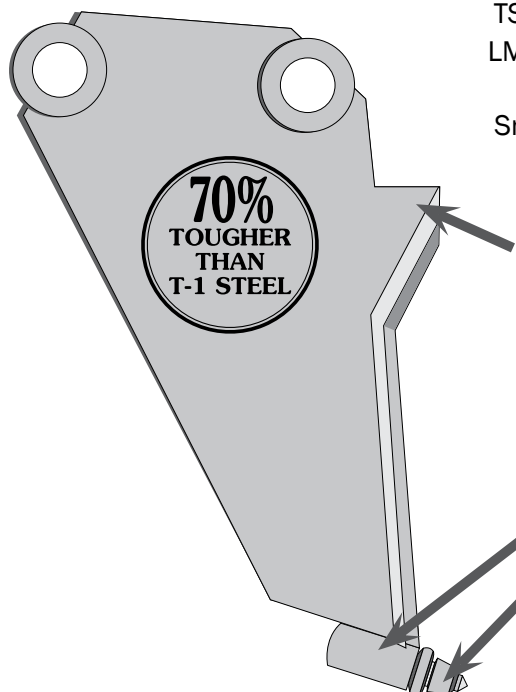
Engineered for Performance

With a new shark-like fin, Triple D's new **Turf Shark™** series plowing blades plow through small tree/shrub roots and difficult soil with amazing ease and neatness.

Our **Turf Shark™** blades are built to provide the contractor with the latest advances in plowing technology. They are tough and aggressive in all soil conditions... even in shale laden soil, thanks to their cutting edge and carbide tipped reamer. These features insure substantially longer service life over standard blades.

The new **Turf Shark™** delivers maximum performance and minimal turf disturbance... all at competitive pricing.

TSDW Series



TS models fit Case/Astec, Vermeer LM25, LM35 & LM42, and Burkeen B30 Plows (Case Mini & Maxi Sneakers) TSDW's Fits Ditch Witch Models 255,350,400,410SX

New 45 degree cutter for smooth, clean turf and root cutting action

B-200 Screw-in adapter for convenience and flexibility
(sold separately)

B-150 Bushing welded to blade

Replaceable, carbide tipped reamer for long life and easy bullet tracking
(supplied with C-150)

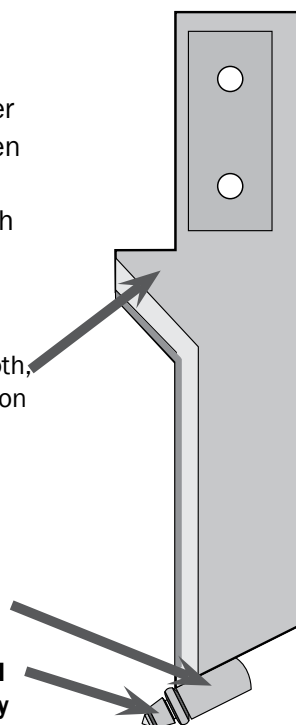
Hard ground toe options



HARD GROUND TOE OPTIONS

| Part No. | Description |
|-----------------|-----------------------------------------------|
| HGT-100X | HARD GROUND TOE OPTION W/REAR LUG |
| HGT-200X | HARD GROUND TOE OPTION W/REAR LUG & 2" BULLET |
| HGT-300X | HARD GROUND TOE OPTION W/REAR LUG & 3" BULLET |

TS Series



Note: For an additional charge, the Turf Shark™ (TS) feature can be added to any 1/2" or thicker plowing blade.

TSDW Series

| Part No. | Average Plowing Depth |
|----------------------------------|-----------------------|
| TSDW-30-10C 1/2" x 18" | 10" Fixed |
| TSDW-30-12C 1/2" x 20" | 12" Fixed |

TS Series

| Part No. | Average Plowing Depth |
|--------------------------|-----------------------|
| TS-10C 1/2" x 22" | 10" Fixed |
| TS-10D 5/8" x 22" | 10" Fixed |
| TS-12C 1/2"x24" | 12" Fixed |
| TS-12D 5/8"x24" | 12" Fixed |



HIGH QUALITY PLOWING BLADES

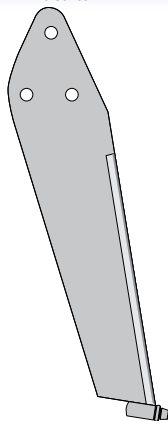
For Ditch Witch Plows

DW100, VP12, VP252, 255SX, 350SX, 400SX, 410SX

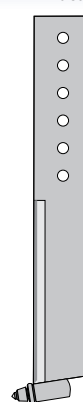
Engineered for Performance

| Part No. | Blade Length | Average Plowing Depth | Blade Thickness |
|------------|--------------|-----------------------|-----------------|
| DW 10-12 B | 29" | Variable | 3/8" |
| DW 20-10 C | 25" | 10" | 1/2" |
| DW 20-12 C | 27" | 12" | 1/2" |
| DW 30-10 C | 18" | 10" | 1/2" |
| DW 30-12 C | 20" | 12" | 1/2" |
| DW 30-15 C | 23" | 15" | 1/2" |
| DW 30-18 C | 26" | 18" | 1/2" |
| DW 30-12 D | 20" | 12" | 5/8" |
| DW 30-18 D | 26" | 18" | 5/8" |
| DW 30-24 D | 32" | 24" | 5/8" |
| DW 30-12 E | 20" | 12" | 3/4" |
| DW 30-18 E | 26" | 18" | 3/4" |
| DW 30-24 E | 32" | 24" | 3/4" |
| DW 30-30 E | 38" | 30" | 3/4" |
| DW 30-24 F | 32" | 24" | 1" |
| DW 30-30 F | 38" | 30" | 1" |

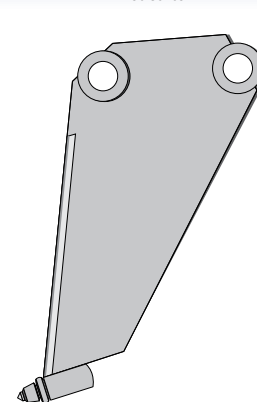
DW 20 Series



DW 10 Series



DW 30 Series



Replaceable, carbide tipped reamer for long life and easy bullet tracking
- Supplied with C-150

* B-200 screw-in adapter for convenience and flexibility
- Sold separately

HARD GROUND TOE OPTIONS

| Part No. | Description |
|----------|-----------------------------------------------|
| HGT-100X | HARD GROUND TOE OPTION W/REAR LUG |
| HGT-200X | HARD GROUND TOE OPTION W/REAR LUG & 2" BULLET |
| HGT-300X | HARD GROUND TOE OPTION W/REAR LUG & 3" BULLET |

For Ditch Witch Model 420*



| Part No. | Description |
|-------------|------------------------------------|
| DW 40-912C | 9" OR 12" PLOW DEPTH - 1/2" THICK |
| DW 40-1215C | 12" OR 15" PLOW DEPTH - 1/2" THICK |
| DW 40-1518C | 15" OR 18" PLOW DEPTH - 1/2" THICK |
| DW 40-912D | 9" OR 12" PLOW DEPTH - 5/8" THICK |
| DW 40-1215D | 12" OR 15" PLOW DEPTH - 5/8" THICK |
| DW 40-1518D | 15" OR 18" PLOW DEPTH - 5/8" THICK |
| DW 40-2124D | 21" OR 24" PLOW DEPTH - 5/8" THICK |
| DW 40-1215E | 12" OR 15" PLOW DEPTH - 3/4" THICK |
| DW 40-1518E | 15" OR 18" PLOW DEPTH - 3/4" THICK |
| DW 40-2124E | 21" OR 24" PLOW DEPTH - 3/4" THICK |
| DW 40-2730E | 27" OR 30" PLOW DEPTH - 3/4" THICK |
| DW 40-1518F | 15" OR 18" PLOW DEPTH - 1.0" THICK |
| DW 40-2124F | 21" OR 24" PLOW DEPTH - 1.0" THICK |
| DW 40-2730F | 27" OR 30" PLOW DEPTH - 1.0" THICK |
| DW 40-3336F | 33" OR 36" PLOW DEPTH - 1.0" THICK |
| DWB 40-2.5 | UPGRADE TO 2.5" DIA., BULLET |
| DWB 40-3.0 | UPGRADE TO 3.0" DIA., BULLET |
| DWB 40-3.5 | UPGRADE TO 3.5" DIA., BULLET |
| DWB 40-4.0 | UPGRADE TO 4.0" DIA., BULLET |

* With 2" dia. Bullet, Lug & Hard Ground Toe as standard equipment.



"SABER CUT™" PLOWING BLADES

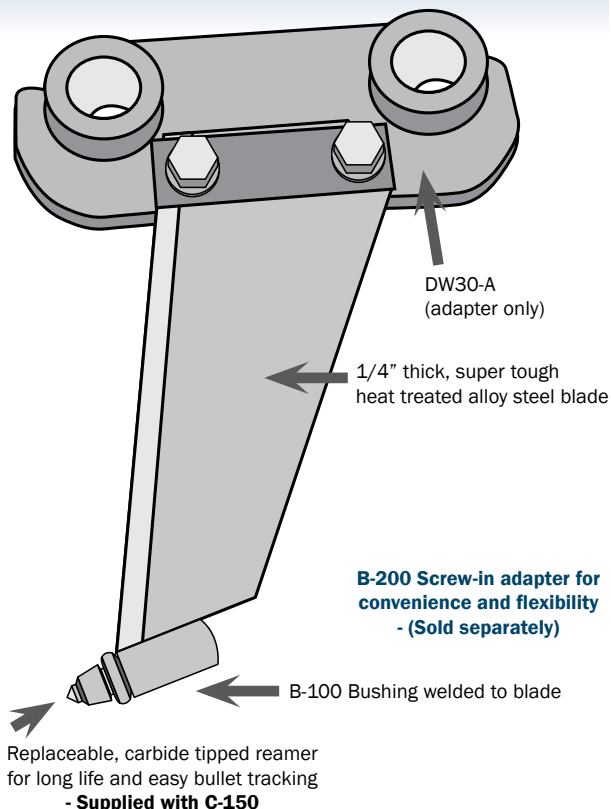
For Ditch Witch Plows 255SX Thru 410SX

Engineered for Performance

The ultra-thin and super tough SABER-CUT™ plowing system is engineered for outstanding performance and economy. Its ultra-thin profile make it the finest turf cutting plowing blade on the market today. It is the contractor's solution to minimal lawn disturbance at a very economical cost.

Saber-Cut's™ design concept centers around a heavy duty adapter plate and high quality, low cost disposable plowing blade. Saber-Cut™ blades are manufactured from premium heat treated abrasive resistant alloy steel - **they are 70% tougher than T1 steel.**

In addition, each Saber-Cut™ blade is supplied with Triple D's proprietary alloy steel bushing and carbide tipped reamer for longer service life.



| COMPLETE PLOWING ASSEMBLIES | |
|-----------------------------|-----------------------|
| Part No. | Average Plowing Depth |
| DW30-A-8 | 8" Pull Depth |
| DW30-A-9 | 9" Pull Depth |
| DW30-A-10 | 10" Pull Depth |
| DW30-A-12 | 12" Pull Depth |
| DW30-A-14 | 14" Pull Depth |

| REPLACEMENT PARTS | |
|-------------------|-------------------|
| Part No. | Description |
| DW30-A | ADAPTER ONLY |
| SC-8 | BLADE ONLY - 8" |
| SC-9 | BLADE ONLY - 9" |
| SC-10 | BLADE ONLY - 10" |
| SC-12 | BLADE ONLY - 12" |
| SC-14 | BLADE ONLY - 14" |
| DW30ACB | CLAMPING BAR |
| CS625175 | CAP SCREW - EA. |
| LW625 | LOCK WASHER - EA. |
| LN625 | LOCK NUT - EA. |

Warranty Disclaimer

"Saber Cut™" plowing blades are manufactured from the highest quality steel and have outstanding plowing performance under normal conditions. However, due to their thin cross section and underground use, they are not warranted against bending or breakage.



HARD-FACING OPTION

Double The Service Life Of Your New Plowing Blade

Tank Tough

Even though high quality abrasion resistant steel is used in the manufacture of all Triple D plowing blades, they eventually wear out from the abrasive action of plowing. There is however, an optional hard-facing process that can retard abrasion and extend blade service life. We can apply this optional process to your new plowing blade.

Using special hard-facing welding material, we apply a basket-weave pattern of weld to the bottom half of the plowing blade's sides. The basket-weave pattern is one of the best low-cost methods available that is used to extend blade service life. In addition to the hard-facing material itself protecting the blade, the basket-weave pattern captures and holds soil to the sides of the blade for additional protection from abrasion.

When selecting this hard-facing option, add 20% to the list price and the suffix "HF-1" to the blade model number (i.e. DW30-12C HF-1).



LONG LIFE

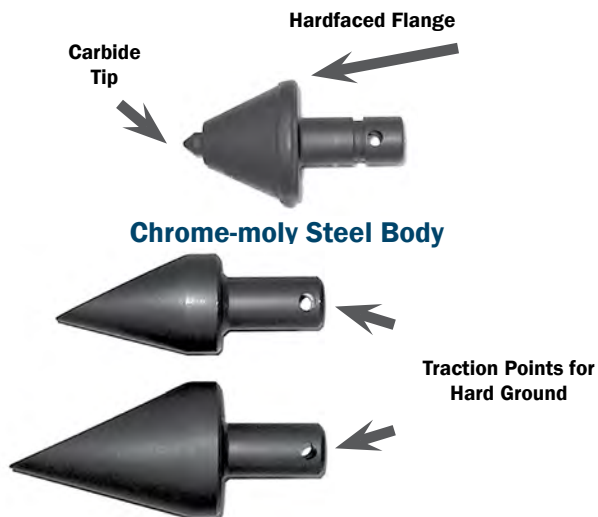
Blade Points With New Pin Fastening System

One (1) new size of carbide tipped blade reamer has been added to our product line – 2 1/2" dia. (.7 shank). They may be used on all Triple D plowing blades equipped with the B-150 bushing.

In addition to being carbide tipped, the flanges are banded with a heavy layer of hardfacing material for increased service life.

They may be ordered separately for field installation, or on an exchange basis when ordered installed on a new plowing blade, (see below).

| LONG-LIFE BLADE REAMERS ALL WITH .760 SHANK | |
|---------------------------------------------|------------------------------|
| Part No. | Description |
| C-150* | 1.50" dia. |
| C-175HF | 1.75" dia. |
| C-175HFX | 1.75" dia. (exchange) |
| C-200HF | 2.00" dia. |
| C-200HFX | 2.00" dia. (exchange) |
| C-250HF | 2.50" dia. |
| C-250HFX | 2.50" dia. (exchange) |
| TC-150HF | 1.50" Traction Point |
| TC-150HFX | 1.50" Traction Point (exch.) |
| TC-200HF | 2.00" Traction Point |
| TC-200HFX | 2.00" Traction Point (exch.) |
| TC-250HFX | 2.50" Traction Point |



When ordered installed on an exchange basis, please use the suffix "X" in the item no. (i.e.: TC-200HFX).

SD BLADE BULLET SYSTEM

Triple D's new SD Blade Bullet System is the strongest, most durable and versatile in the industry. All major components, such as the bullet Receiver/Bushing and Bullets, are manufactured from heat-treated chrome-moly steel with an average tensile strength exceeding 150,000 psi for maximum strength and wear-resistance.

In addition to strength and durability, the SD System offers a large selection of bullet sizes, wear and design options to meet most soil and plowing conditions. Available bullet diameters are 2", 2.5", 3", 3.5" and 4". The Long-Life Bullet Series has a tungsten carbide tip and hard-facing for exceptional durability. All bullets have a **1" dia. shank**.

Traction Option

One of the more versatile options of the SD Bullet System is the "Traction Bullet" that is engineered to "pull down" the plowing blade and vibratory plow for increased traction and plowing depth in hard ground. In severe situations, the "XT Traction Bullet" is recommended for additional traction and pull depth.

The SD System, with a C-2000 bullet, is available as an "exchange" option on all 5/8" and thicker plow blades for an additional charge. Ask for option SD-1000X.

SD SYSTEM COMPONENTS ALL WITH 1" SHANK

| Part No. | Description |
|------------------|-----------------------------------|
| B-1750 | BULLET RECEIVER/BUSHING |
| B-1750PS | PIN SET FOR B-1750 (2 PCS.) |
| C-2000 | 2.0" DIA. STD. BULLET |
| C-2500 | 2.5" DIA. STD. BULLET |
| C-2500X | 2.5" DIA. STD. BULLET-EXCHANGE* |
| C-3000 | 3.0" DIA. STD. BULLET |
| C-3000X | 3.0" DIA. STD. BULLET-EXCHANGE* |
| C-3500 | 3.5" DIA. STD. BULLET |
| C-3500X | 3.5" DIA. STD. BULLET-EXCHANGE* |
| C-4000 | 4.0" DIA. STD. BULLET |
| C-4000X | 4.0" DIA. STD. BULLET-EXCHANGE* |
| C-2000HF | 2.0" DIA. LONG-LIFE BULLET |
| C-2000HFX | 2.0" DIA. LONG-LIFE BULLET-EXCH.* |
| C-2500HF | 2.5" DIA. LONG-LIFE BULLET |
| C-2500HFX | 2.5" DIA. LONG-LIFE BULLET-EXCH.* |
| C-3000HF | 3.0" DIA. LONG-LIFE BULLET |
| C-3000HFX | 3.0" DIA. LONG-LIFE BULLET-EXCH.* |
| C-3500HF | 3.5" DIA. LONG-LIFE BULLET |
| C-3500HFX | 3.5" DIA. LONG-LIFE BULLET-EXCH.* |
| C-4000HF | 4.0" DIA. LONG-LIFE BULLET |
| C-4000HFX | 4.0" DIA. LONG-LIFE BULLET-EXCH.* |
| T-2500 | STD. TRACTION BULLET |
| T-2500X | STD. TRACTION BULLET-EXCH.* |
| XT-2500 | XT TRACTION BULLET ASSEMBLY |
| XT-2500X | XT TRACTION BULLET-EXCH.* |
| XT-1500 | XT BULLET BODY |
| XT-2000 | XT BULLET BOLT-ON POINT |
| XTCS-125 | FLAT HEAD CAP SCREW, 1/2 X 1.25 |
| XTCS-100 | FLAT HEAD CAP SCREW, 1/2 X 1.00 |



Standard Bullet



Receiver/Bushing



Long-Life Bullet



Traction Bullet



XT Traction Bullet



* EXCHANGE PRICE WHEN INSTALLED ON A "NEW" BLADE

REPLACEMENT LEADING EDGES

For Plow Blades

These "Leading Edges" are machined to a very sharp cutting edge from high quality alloy steel bar stock that is quenched and tempered for strength and durability. They are available with either a serrated or straight cutting edge, and in 1/2", 5/8", 3/4" and 1" thickness. Do not confuse these high quality leading edges with the blunt edged, sand-cast units that are on the market.

We are offering both styles of leading edges as replacement parts; and the serrated edge, can be factory installed on a "New" plow blade for as little as \$96.25. Both styles are of the "weld-on" type, and require fitting and welding with either a MIG or SMAW (stick) welding machine.

| TOOL STEEL LEADING EDGES | |
|--------------------------|--------------------------------------------|
| Part No. | Description |
| E-500 | 1/2" X 10" STANDARD EDGE |
| SE-500 | 1/2" X 10" SERRATED EDGE |
| SE-500X | 1/2" X 10" SERRATED EDGE-FACTORY INSTALLED |
| E-625 | 5/8" X 10" STANDARD EDGE |
| SE-625 | 5/8" X 10" SERRATED EDGE |
| SE-625X | 5/8" X 10" SERRATED EDGE-FACTORY INSTALLED |
| E-750 | 3/4" X 10" STANDARD EDGE |
| SE-750 | 3/4" X 10" SERRATED EDGE |
| SE-750X | 3/4" X 10" SERRATED EDGE-FACTORY INSTALLED |
| E-1000 | 1.0" X 10" STANDARD EDGE |
| SE-1000 | 1.0" X 10" SERRATED EDGE |
| SE-1000X | 1.0" X 10" SERRATED EDGE-FACTORY INSTALLED |



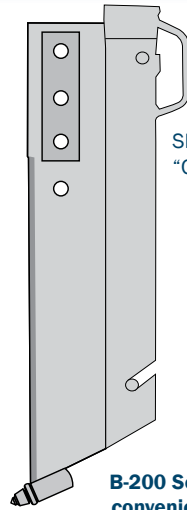
ONE PIECE CHUTE BLADES

Small Radius / Large Radius

For Case/Toro P40 Plows, Burkeen B30* Vermeer LM25, LM35/40/42

NOTE: Always select a chute that is 1/16" wider than cable diameter.

| SMALL RADIUS | | | |
|-------------------|------------------|-------------|------------|
| Standard Part No. | "Combo" Part No. | Cover Depth | Chute I.D. |
| CVS-12C | CCVS-12C | 9" & 12" | 1/2" |
| CVS-15C | CCVS-15C | 12" & 15" | 1/2" |
| CVS-18C | CCVS-18C | 15" & 18" | 1/2" |
| CVS-12E | CCVS-12E | 9" & 12" | 3/4" |
| CVS-15E | CCVS-15E | 12" & 15" | 3/4" |
| CVS-18E | CCVS-18E | 15" & 18" | 3/4" |
| CVS-12F | CCVS-12F | 9" & 12" | 1" |
| CVS-15F | CCVS-15F | 12" & 15" | 1" |
| CVS-18F | CCVS-18F | 15" & 18" | 1" |



Shown as optional
"Combo" Blade

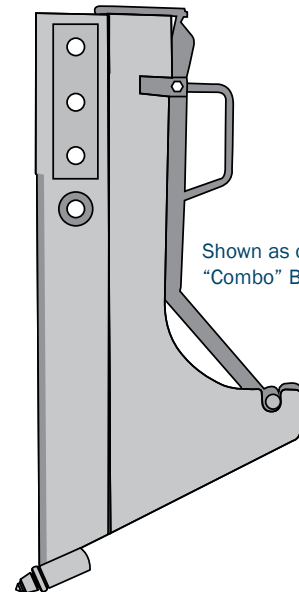


| HARD GROUND TOE OPTIONS | |
|-------------------------|------------------------------------------------|
| Part No. | Description |
| HGT-100X | HARD GROUND TOE OPTION W/ REAR LUG |
| HGT-200X | HARD GROUND TOE OPTION W/ REAR LUG & 2" BULLET |
| HGT-300X | HARD GROUND TOE OPTION W/ REAR LUG & 3" BULLET |

B-200 Screw-in adapter for
convenience and flexibility
Sold Separately

Other sizes available upon request.
Chute widths up to 1" I.D.

| LARGE RADIUS | | | | | | |
|---------------|----------------|--------------------|-----------------------|------------------------|-----|-----|
| Part No. | Combo Part No. | Inside Chute Width | Depth of Ground Cover | Available Chute Radius | | |
| | | | | 3" | 5" | 8" |
| C-75-912-3R | CC-75-912-3R | 3/4" | 9" OR 12" | Yes | Yes | N/A |
| C-75-1215-3R | CC-75-1215-3R | 3/4" | 12" OR 15" | Yes | Yes | Yes |
| C-75-1518-3R | CC-75-1518-3R | 3/4" | 15" OR 18" | Yes | Yes | Yes |
| C-75-1824-3R | CC-75-1824-3R | 3/4" | 18" OR 24" | Yes | Yes | Yes |
| C-75-2430-3R | CC-75-2430-3R | 3/4" | 24" OR 30" | | | |
| C-75-912-5R | CC-75-912-5R | 3/4" | 9" OR 12" | | | |
| C-75-1215-5R | CC-75-1215-5R | 3/4" | 12" OR 15" | | | |
| C-75-1518-5R | CC-75-1518-5R | 3/4" | 15" OR 18" | | | |
| C-75-1824-5R | CC-75-1824-5R | 3/4" | 18" OR 24" | | | |
| C-75-2430-5R | CC-75-2430-5R | 3/4" | 24" OR 30" | | | |
| C-75-1215-8R | CC-75-1215-8R | 3/4" | 12" OR 15" | | | |
| C-75-1518-8R | CC-75-1518-8R | 3/4" | 15" OR 18" | | | |
| C-75-1824-8R | CC-75-1824-8R | 3/4" | 18" OR 24" | | | |
| C-75-2430-8R | CC-75-2430-8R | 3/4" | 24" OR 30" | | | |
| C-75-3036-8R | CC-75-3036-8R | 3/4" | 30" OR 36" | | | |
| C-75-1824-10R | CC-75-1824-10R | 3/4" | 18" OR 24" | | | |
| C-75-2430-10R | CC-75-2430-10R | 3/4" | 24" OR 30" | | | |
| C-75-3036-10R | CC-75-3036-10R | 3/4" | 30" OR 36" | | | |
| C-75-1824-13R | CC-75-1824-13R | 3/4" | 18" OR 24" | | | |
| C-75-2430-13R | CC-75-2430-13R | 3/4" | 24" OR 30" | | | |
| C-75-3036-13R | CC-75-3036-13R | 3/4" | 30" OR 36" | | | |



Shown as optional
"Combo" Blade

B-200 Screw-in adapter for
convenience and flexibility
Sold Separately

Other sizes available upon request.
Chute widths up to 2" I.D.

Notice

Chute blades are custom manufactured and are **non-returnable**. Therefore, please be certain of requirements prior to ordering.



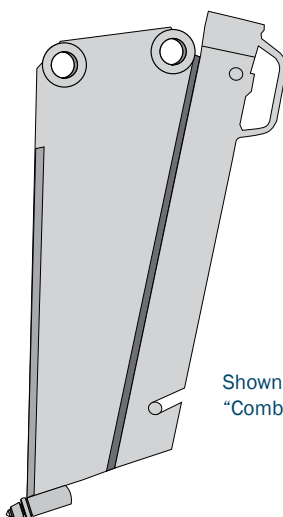
ONE PIECE CHUTE BLADES

Small Radius / Large Radius

For Ditch Witch Plows 255SX, 350SX, 400SX, 410SX

NOTE: Always select a chute that is 1/16" wider than cable diameter.

| SMALL RADIUS | | | |
|-------------------|------------------|-------------|------------|
| Standard Part No. | "Combo" Part No. | Cover Depth | Chute I.D. |
| CDW 20-12C | CCDW 20-12C | 12" | 1/2" |
| CDW 30-12C | CCDW 30-12C | 12" | 1/2" |
| CDW 30-15C | CCDW 30-15C | 15" | 1/2" |
| CDW 30-18C | CCDW 30-18C | 18" | 1/2" |
| CDW 30-12E | CCDW 30-12E | 12" | 3/4" |
| CDW 30-15E | CCDW 30-15E | 15" | 3/4" |
| CDW 30-18E | CCDW 30-18E | 18" | 3/4" |
| CDW 30-12F | CCDW 30-12F | 12" | 1.0" |
| CDW 30-15F | CCDW 30-15F | 15" | 1.0" |
| CDW 30-18F | CCDW 30-18F | 18" | 1.0" |



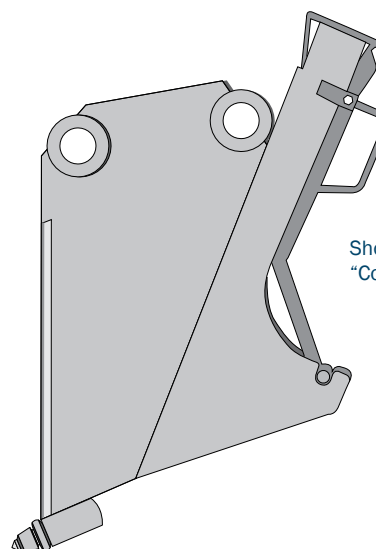
Shown as optional "Combo" Blade

| HARD GROUND TOE OPTIONS | |
|-------------------------|------------------------------------------------|
| Part No. | Description |
| HGT-100X | HARD GROUND TOE OPTION W/ REAR LUG |
| HGT-200X | HARD GROUND TOE OPTION W/ REAR LUG & 2" BULLET |
| HGT-300X | HARD GROUND TOE OPTION W/ REAR LUG & 3" BULLET |



Other sizes available upon request.
Chute widths up to 1" I.D.

| LARGE RADIUS | | | | |
|-------------------|------------------|--------------|-------------|------------|
| Standard Part No. | "Combo" Part No. | Chute Radius | Cover Depth | Chute I.D. |
| CDW 30-12E-3R | CCDW 30-12E-3R | 3" | 12" | 3/4" |
| CDW 30-18E-3R | CCDW 30-18E-3R | 3" | 15" | 3/4" |
| CDW 30-24E-3R | CCDW 30-24E-3R | 3" | 18" | 3/4" |
| CDW 30-30E-3R | CCDW 30-30E-3R | 3" | 12" | 3/4" |
| CDW 30-15E-5R | CCDW 30-15E-5R | 5" | 15" | 3/4" |
| CDW 30-18E-5R | CCDW 30-18E-5R | 5" | 18" | 3/4" |
| CDW 30-24E-5R | CCDW 30-24E-5R | 5" | 24" | 3/4" |
| CDW 30-30E-5R | CCDW 30-30E-5R | 5" | 30" | 3/4" |
| CDW 30-15E-8R | CCDW 30-15E-8R | 8" | 15" | 3/4" |
| CDW 30-18E-8R | CCDW 30-18E-8R | 8" | 18" | 3/4" |
| CDW 30-24E-8R | CCDW 30-24E-8R | 8" | 24" | 3/4" |
| CDW 30-30E-8R | CCDW 30-30E-8R | 8" | 30" | 3/4" |
| CDW 30-18E-10R | CCDW 30-18E-10R | 10" | 18" | 3/4" |
| CDW 30-24E-10R | CCDW 30-24E-10R | 10" | 24" | 3/4" |
| CDW 30-30E-10R | CCDW 30-30E-10R | 10" | 30" | 3/4" |
| CDW 30-18E-13R | CCDW 30-18E-13R | 13" | 18" | 3/4" |
| CDW 30-24E-13R | CCDW 30-24E-13R | 13" | 24" | 3/4" |
| CDW 30-30E-13R | CCDW 30-30E-13R | 13" | 30" | 3/4" |



Shown as optional "Combo" Blade

B-200 Screw-in adapter for convenience and flexibility
Sold Separately

Other sizes available upon request.
Chute widths up to 2" I.D.

Notice

Chute blades are custom manufactured and are **non-returnable**. Therefore, please be certain of requirements prior to ordering.



MAXI-TRAC ONE PIECE CHUTE BLADE*

**For Toro RT600, RT1200, & Case 560 thru 860
(P85, P95 & P105) Plows**

| Item No. | Description | Item No. | Description |
|-----------------------------|-----------------------------------------------------------|-----------------------------|-----------------------------------------------------------|
| CVMT-75-1824-8R-75 | 3/4" Chute Width - 18" Or 24" Ground Cover - 8" Radius | CVMT-10-3642-13R-150 | 1-1/2" Chute Width - 36" Or 42" Ground Cover - 13" Radius |
| CVMT-75-1824-10R-75 | 3/4" Chute Width - 18" Or 24" Ground Cover - 10" Radius | CVMT-10-1824-10R-200 | 2" Chute Width - 18" Or 24" Ground Cover - 10" Radius |
| CVMT-75-2430-8R-75 | 3/4" Chute Width - 24" Or 30" Ground Cover - 8" Radius | CVMT-10-1824-13R-200 | 2" Chute Width - 18" Or 24" Ground Cover - 13" Radius |
| CVMT-75-2430-10R-75 | 3/4" Chute Width - 24" Or 30" Ground Cover - 10" Radius | CVMT-10-2430-10R-200 | 2" Chute Width - 24" Or 30" Ground Cover - 10" Radius |
| CVMT-75-3036-8R-75 | 3/4" Chute Width - 30" Or 36" Ground Cover - 8" Radius | CVMT-10-2430-13R-200 | 2" Chute Width - 24" Or 30" Ground Cover - 13" Radius |
| CVMT-75-3036-10R-75 | 3/4" Chute Width - 30" Or 36" Ground Cover - 10" Radius | CVMT-10-3036-10R-200 | 2" Chute Width - 30" Or 36" Ground Cover - 10" Radius |
| CVMT-10-1824-8R-10 | 1" Chute Width - 18" Or 24" Ground Cover - 8" Radius | CVMT-10-3036-13R-200 | 2" Chute Width - 30" Or 36" Ground Cover - 13" Radius |
| CVMT-10-1824-10R-10 | 1" Chute Width - 18" Or 24" Ground Cover - 10" Radius | CVMT-10-3642-10R-200 | 2" Chute Width - 36" Or 42" Ground Cover - 10" Radius |
| CVMT-10-2430-8R-10 | 1" Chute Width - 24" Or 30" Ground Cover - 8" Radius | CVMT-10-3642-13R-200 | 2" Chute Width - 36" Or 42" Ground Cover - 13" Radius |
| CVMT-10-2430-10R-10 | 1" Chute Width - 24" Or 30" Ground Cover - 10" Radius | CVMT-10-2430-13R-250 | 2-1/2" Chute Width - 24" Or 30" Ground Cover - 13" Radius |
| CVMT-10-3036-8R-10 | 1" Chute Width - 30" Or 36" Ground Cover - 8" Radius | CVMT-10-2430-20R-250 | 2-1/2" Chute Width - 24" Or 30" Ground Cover - 20" Radius |
| CVMT-10-3036-10R-10 | 1" Chute Width - 30" Or 36" Ground Cover - 10" Radius | CVMT-10-3036-13R-250 | 2-1/2" Chute Width - 30" Or 36" Ground Cover - 13" Radius |
| CVMT-10-3036-13R-10 | 1" Chute Width - 30" Or 36" Ground Cover - 13" Radius | CVMT-10-3036-20R-250 | 2-1/2" Chute Width - 30" Or 36" Ground Cover - 20" Radius |
| CVMT-10-1824-8R-150 | 1-1/2" Chute Width - 18" Or 24" Ground Cover - 8" Radius | CVMT-15-3642-13R-250 | 2-1/2" Chute Width - 36" Or 42" Ground Cover - 13" Radius |
| CVMT-10-1824-10R-150 | 1-1/2" Chute Width - 18" Or 24" Ground Cover - 10" Radius | CVMT-15-3642-20R-250 | 2-1/2" Chute Width - 36" Or 42" Ground Cover - 20" Radius |
| CVMT-10-1824-13R-150 | 1-1/2" Chute Width - 18" Or 24" Ground Cover - 13" Radius | CVMT-15-3036-13R-300 | 3" Chute Width - 30" Or 36" Ground Cover - 13" Radius |
| CVMT-10-2430-8R-150 | 1-1/2" Chute Width - 24" Or 30" Ground Cover - 8" Radius | CVMT-15-3036-20R-300 | 3" Chute Width - 30" Or 36" Ground Cover - 20" Radius |
| CVMT-10-2430-10R-150 | 1-1/2" Chute Width - 24" Or 30" Ground Cover - 10" Radius | CVMT-15-3642-13R-300 | 3" Chute Width - 36" Or 42" Ground Cover - 13" Radius |
| CVMT-10-2430-13R-150 | 1-1/2" Chute Width - 24" Or 30" Ground Cover - 13" Radius | CVMT-15-3642-20R-300 | 3" Chute Width - 36" Or 42" Ground Cover - 20" Radius |
| CVMT-10-3036-8R-150 | 1-1/2" Chute Width - 30" Or 36" Ground Cover - 8" Radius | ADS-1 | Additional Depth Setting |
| CVMT-10-3036-10R-150 | 1-1/2" Chute Width - 30" Or 36" Ground Cover - 10" Radius | TT-1 | Tape Tube |
| CVMT-10-3036-13R-150 | 1-1/2" Chute Width - 30" Or 36" Ground Cover - 13" Radius | HF-1 | Hard Facing Add-On |
| CVMT-10-3642-8R-150 | 1-1/2" Chute Width - 36" Or 42" Ground Cover - 8" Radius | RHGT-X | Replaceable Toe Option (Exchange) |
| CVMT-10-3642-10R-150 | 1-1/2" Chute Width - 36" Or 42" Ground Cover - 10" Radius | | |

*5° mounting hole pattern

Notice

Chute blades are custom manufactured and are **non-returnable**. Therefore, please be certain of requirements prior to ordering.



MAXI-TRAC CHUTE BLADES**

**For Toro RT600 & RT1200, & Case 560 thru 860
(P85, P95 & P105) Plows**

| Item No. | Description | Item No. | Description |
|-----------------------------|-----------------------------------------------------------|-----------------------------|-----------------------------------------------------------|
| CVST-75-1824-8R-75 | 3/4" Chute Width - 18" Or 24" Ground Cover - 8" Radius | CVST-10-1824-10R-200 | 2" Chute Width - 18" Or 24" Ground Cover - 10" Radius |
| CVST-75-1824-10R-75 | 3/4" Chute Width - 18" Or 24" Ground Cover - 10" Radius | CVST-10-1824-13R-200 | 1-1/2" Chute Width - 36" Or 42" Ground Cover - 13" Radius |
| CVST-75-2430-8R-75 | 3/4" Chute Width - 24" Or 30" Ground Cover - 8" Radius | CVST-10-2430-10R-200 | 2" Chute Width - 18" Or 24" Ground Cover - 10" Radius |
| CVST-75-2430-10R-75 | 3/4" Chute Width - 24" Or 30" Ground Cover - 10" Radius | CVST-10-2430-13R-200 | 2" Chute Width - 18" Or 24" Ground Cover - 13" Radius |
| CVST-10-1824-8R-10 | 1" Chute Width - 18" Or 24" Ground Cover - 8" Radius | CVST-10-3036-10R-200 | 2" Chute Width - 24" Or 30" Ground Cover - 10" Radius |
| CVST-10-1824-10R-10 | 1" Chute Width - 18" Or 24" Ground Cover - 10" Radius | CVST-10-3036-13R-200 | 2" Chute Width - 24" Or 30" Ground Cover - 13" Radius |
| CVST-10-2430-8R-10 | 1" Chute Width - 24" Or 30" Ground Cover - 8" Radius | CVST-10-3642-10R-200 | 2" Chute Width - 30" Or 36" Ground Cover - 10" Radius |
| CVST-10-2430-10R-10 | 1" Chute Width - 24" Or 30" Ground Cover - 10" Radius | CVST-10-3642-13R-200 | 2" Chute Width - 30" Or 36" Ground Cover - 13" Radius |
| CVST-10-3036-8R-10 | 1" Chute Width - 30" Or 36" Ground Cover - 8" Radius | CVST-10-2430-13R-250 | 2" Chute Width - 36" Or 42" Ground Cover - 10" Radius |
| CVST-10-3036-10R-10 | 1" Chute Width - 30" Or 36" Ground Cover - 10" Radius | CVST-10-2430-20R-250 | 2" Chute Width - 36" Or 42" Ground Cover - 13" Radius |
| CVST-10-3036-13R-10 | 1" Chute Width - 30" Or 36" Ground Cover - 13" Radius | CVST-10-3036-13R-250 | 2-1/2" Chute Width - 24" Or 30" Ground Cover - 13" Radius |
| CVST-10-1824-8R-150 | 1-1/2" Chute Width - 18" Or 24" Ground Cover - 8" Radius | CVST-10-3036-20R-250 | 2-1/2" Chute Width - 24" Or 30" Ground Cover - 20" Radius |
| CVST-10-1824-10R-150 | 1-1/2" Chute Width - 18" Or 24" Ground Cover - 10" Radius | CVST-15-3642-13R-250 | 2-1/2" Chute Width - 30" Or 36" Ground Cover - 13" Radius |
| CVST-10-1824-13R-150 | 1-1/2" Chute Width - 18" Or 24" Ground Cover - 13" Radius | CVST-15-3642-20R-250 | 2-1/2" Chute Width - 30" Or 36" Ground Cover - 20" Radius |
| CVST-10-2430-8R-150 | 1-1/2" Chute Width - 24" Or 30" Ground Cover - 8" Radius | CVST-15-3036-13R-300 | 2-1/2" Chute Width - 36" Or 42" Ground Cover - 13" Radius |
| CVST-10-2430-10R-150 | 1-1/2" Chute Width - 24" Or 30" Ground Cover - 10" Radius | CVST-15-3036-20R-300 | 2-1/2" Chute Width - 36" Or 42" Ground Cover - 20" Radius |
| CVST-10-2430-13R-150 | 1-1/2" Chute Width - 24" Or 30" Ground Cover - 13" Radius | CVST-15-3642-13R-300 | 3" Chute Width - 30" Or 36" Ground Cover - 13" Radius |
| CVST-10-3036-8R-150 | 1-1/2" Chute Width - 30" Or 36" Ground Cover - 8" Radius | CVST-15-3642-20R-300 | 3" Chute Width - 30" Or 36" Ground Cover - 20" Radius |
| CVST-10-3036-10R-150 | 1-1/2" Chute Width - 30" Or 36" Ground Cover - 10" Radius | ADS-1 | Additional Depth Setting |
| CVST-10-3036-13R-150 | 1-1/2" Chute Width - 30" Or 36" Ground Cover - 13" Radius | TT-1 | Tape Tube |
| CVST-10-3642-8R-150 | 1-1/2" Chute Width - 36" Or 42" Ground Cover - 8" Radius | HF-1 | Hard Facing Add-On |
| CVST-10-3642-10R-150 | 1-1/2" Chute Width - 36" Or 42" Ground Cover - 10" Radius | RHGT-X | Replaceable Toe Option (Exchange) |
| CVST-10-3642-13R-150 | 1-1/2" Chute Width - 36" Or 42" Ground Cover - 13" Radius | | |

** Parallel mounting hole pattern.

Notice

Chute blades are custom manufactured and are **non-returnable**. Therefore, please be certain of requirements prior to ordering.



TRACTION BLADE

**For Toro Pro Sneak,
Vermeer LM25, 35, 40 & 42, Burkeen B30
(Case Mini & Maxi Sneakers)**

Engineered and Manufactured for Hard, Difficult Soils

We believe our Traction Blade is the most advanced and durable "hard ground" plowing blade on the market today. The blade's massive bottom assembly, with its replaceable and indexable "toe", not only pulls the vibratory plow towards the ground for greater traction, but also maintains desired burial depth.

Each blade is equipped with a heavy duty point style toe (TR-2) and a 2" diameter threaded bullet as standard equipment. A chisel style toe and larger diameter bullets are available at additional cost.

TR SERIES



CASE, BURKEEN, VERMEER

| Blade Part No. | Plowing Depth |
|----------------|---------------|
| TR-12E | 9" or 12" |
| TR-15E | 12" or 15" |
| TR-18E | 15" or 18" |
| TR-24E | 18" or 24" |

* ALL BLADES ARE 3/4" THICK

OPTIONAL BLADE BULLETS

| Bullet Part No. | Diameter |
|-----------------|----------|
| TRB-25X | 2.5" |
| TRB-30X | 3.0" |
| TRB-20 | 2.0" |
| TRB-25 | 2.5" |
| TRB-30 | 3.0" |

TRDW SERIES



DITCHWITCH

| Blade Part No. | Plowing Depth |
|----------------|---------------|
| TRDW-12E | 12" |
| TRDW-15E | 15" |
| TRDW-18E | 18" |
| TRDW-24E | 24" |

* ALL BLADES ARE 3/4" THICK

BLADE TOES & HARDWARE

| Bullet Part No. | Description |
|-----------------|-----------------|
| TR-1 | CHISEL EDGE TOE |
| TR-2 | POINTED TOE |
| TRCS-25 | FRONT CAP SCREW |
| TRCS-30 | REAR CAP SCREW |
| TRLN-05 | LOCK NUT |



AUSSIE

Pulling & One Piece Chute Blades For The Dingo

| Pulling Blades | | |
|----------------|-----------------|-----------------|
| Part No. | Max. Pull Depth | Blade Thickness |
| DG-12A | 12" | 1/4" |
| DG-12B | 12" | 3/8" |
| DG-12C | 12" | 1/2" |
| DG-15C | 15" | 1/2" |
| DG-18C | 18" | 1/2" |

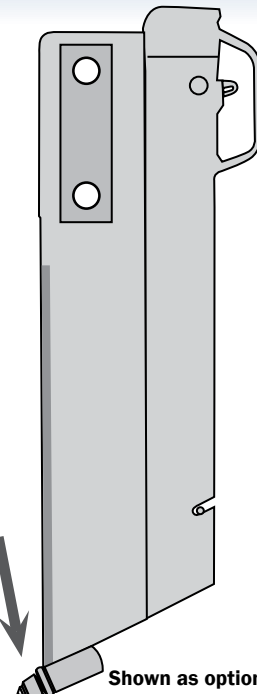
| One Piece Chute Blades | | | |
|------------------------|------------------|------------------|------------|
| Part No. | "Combo" Part No. | Max. Cover Depth | Chute I.D. |
| CDG-12C | CCDG-12C | 12" | 1/2" |
| CDG-18C | CCDG-18C | 18" | 1/2" |

| HARD GROUND TOE OPTIONS | |
|-------------------------|-----------------------------------------------|
| Part No. | Description |
| HGT-100X | HARD GROUND TOE OPTION W/REAR LUG |
| HGT-200X | HARD GROUND TOE OPTION W/REAR LUG & 2" BULLET |
| HGT-300X | HARD GROUND TOE OPTION W/REAR LUG & 3" BULLET |

Pulling Blades



One Piece Chute Blades



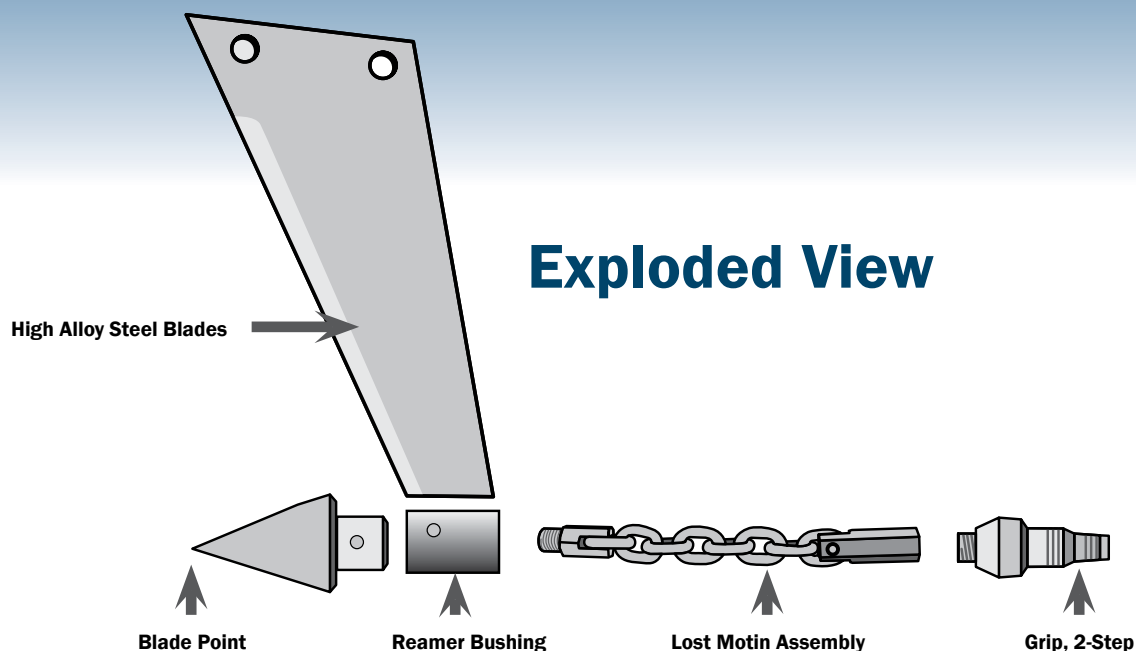
C-150 Replaceable Carbide tipped reamer for long life and easy bullet tracking - supplied installed on pulling blade only.

Shown as optional "Combo" Blade

B-200 Screw-in adapter for convenience and flexibility - Sold Separately






PIPE PIPER PLOWING SYSTEM

Exploded View



PIPE PIPER AND KAERCHER

Product Listing

| Part | Part No. | Description | Fits | |
|-------------------------------------------------------------------------------------|----------------|----------------------------------------------|--------------------------------------------------------------------------|-----------|
| Plowing Blades | | | | |
|  | T1-12 | SMALL BLADE - 12" O.A.L. | MACHINE MODEL 100 | |
| | T1-13 | SMALL BLADE - 13" O.A.L. | | |
| | T2-10 | LG. BLADE - 10" O.A.L. - LG. BUSHING | Kaercher 256 140/175 180/230 | |
| | T2-12 | LG. BLADE - 12" O.A.L. - LG. BUSHING | | |
| | T2-14 | LG. BLADE - 14" O.A.L. - LG. BUSHING | | |
| | T2-15 | LG. BLADE - 15" O.A.L. - LG. BUSHING | | |
| | T2-17 | LG. BLADE - 17" O.A.L. - LG. BUSHING | | |
| | T2-11A | LG. BLADE - 11" O.A.L. - SM. BUSHING | Kaercher 256 140/175 180/230 | |
| | T2-13A | LG. BLADE - 13" O.A.L. - SM. BUSHING | | |
| | T2-14A | LG. BLADE - 14" O.A.L. - SM. BUSHING | | |
| | T2-16A | LG. BLADE - 16" O.A.L. - SM. BUSHING | | |
| | T2-15RC | LG. BLADE - 15" O.A.L. - ROOT CUTTER | | |
| | K2-14 | 9" PULL DEPTH | Kaercher Style Plowing Blades for Kaercher and Pipe Piper Plows | |
| | K2-15 | 10" PULL DEPTH | | |
| K2-17 | 12" PULL DEPTH | | | |
| Blade Points | | | | |
|  | TP-100 | SMALL POINT - 1.5" O.D. | SM. BUSH. | |
| | TP-100P | SMALL POINT PIN (1 pc.) | SM. BUSH. | |
| | TP-200 | LARGE POINT - 2.25" O.D. | } Also Fits Kaercher | LG. BUSH. |
| | TP-250 | LARGE POINT - 2.50" O.D. | | LG. BUSH. |
| | TP-200P | LARGE POINT PIN (1 pc.) | | LG. BUSH. |
| Pipe Grips | | | | |
|  | TG-2X | GRIP, 2-STEP - 3/4" AND 1" PIPE | ALL | |
| | TG-3X | GRIP, 3-STEP - 3/4" THRU 1 1/4" PIPE | ALL | |
| | TG-4X | GRIP, 4-STEP - 3/4" THRU 1 1/2" PIPE | ALL | |
| Blade Bushingsa | | | | |
|  | TB-100 | BUSHING, SMALL | ALL BLADES | |
| | TB-200 | BUSHING, LARGE - Also Fits Kaercher | LG. BLADES | |
| Adapters | | | | |
|  | | 5/8" THREAD | ALL BLADES | |
| | TA-1 | LOST MOTION ASSEMBLY SET | | |
| | TA-1K | LOST MOTION ASSEMBLY | | |
| | TA-1D | LOST MOTION ASSEMBLY - 5/8" MALE x 3/4" MALE | | |
| | TA-1M | ADAPTER, MALE | | |
| | TA-1F | ADAPTER, FEMALE | | |
| | TA-1C | ADAPTER, CHAIN (HI-TEST) | | |
| | TA-1PS | ADAPTER PIN SET (2 pcs.) | | |
| | TCS-5250 | CAP SCREW, 1/2" X 2.5" (Grade 8) | | |
| | TCS-6350 | CAP SCREW, 5/8" X 3.5" (Grade 8) | | |
| | TLN-50 | LOCK NUT, 1/2" (Grade 8) | | |
| | TLN-60 | LOCK NUT, 5/8" (Grade 8) | | |

NOTE: All manufacturer's names, symbols, and descriptions are used for reference purposes only, and none of the products listed are the products of these manufacturers.

MAXIGRIP®

Pull Underground Pipe and Cable Quickly and Easily With “Maxi-Grip”® Pipe and Cable Pullers

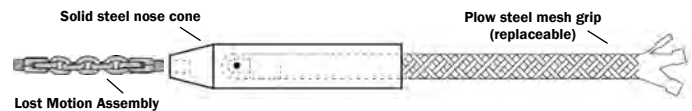
So Unique They Earned U.S. Patent No. 4,969,677

Triple D's Maxi-Grips are durable and economical tools designed for pulling underground pipe and cable with speed and ease. Maxi-Grips consist of two primary components - a uniquely designed steel nose cone device and a heavy duty plastic coated galvanized steel mesh grip. Six models enable contractors to pull pipe and cable from 1/2 inch to 4 1/2 inch outside diameters.

Provides the contractor with greater flexibility, convenience, and durability!

Unique nose cone design provides the user with several economic and time saving benefits not found in any other pulling device on the market today. First, each Maxi-Grip accommodates multiple sizes of pipe and cable, thereby minimizing contractor tooling costs.

Second, the tapered nose cone provides a large, smooth compacted boring for pipe and cable to follow, thus reducing friction and allowing longer pulls. Also, the large boring eliminates cable “looping” when boring under walkways and driveways. Third, the nose cone design eliminates the need to seal pipe opening against outside contamination. The user merely slips the pipe into the nose cone and pulls the pipe - a real time saver. Fourth, since the mesh grips are mounted inside the nose cone, they last up to five times longer.



**PIPE AND CABLE ARE
EASILY INSERTED - QUICKLY REMOVED**

“MAXI-GRIP”® PIPE AND CABLE PULLERS



| MAXI-GRIP W/O MESH GRIP | |
|----------------------------|--------|
| Part No. | O.D. |
| MG 100Z | 1.875" |
| MG 125Z | 2.375" |
| MG 200Z | 3.000" |
| *MG 300Z | 4.500" |
| *MG 400Z | 5.500" |

| MAXI-GRIP WITH MESH GRIP | | | REPLACEMENT MESH GRIPS | SPRING PIN SET (2PCS.) | WORKING | BREAKING |
|-----------------------------|---------------|-----------------|---------------------------|------------------------------|--------------|------------------|
| Part No. | PIPE SIZE | GRIP RANGE | Part No. | Part No. | LOAD LBS. | STRENGTH LBS. |
| MG-100A 1.875" O.D. | 1/2" - 3/4" | .75" - 1.25" | A-20 | SP-100 | 2,000 | 6,000 |
| MG-100B 1.875" O.D. | 3/4" - 1" | 1.050" - 1.400" | B-24 | SP-100 | 2,500 | 7,500 |
| MG-125A 2.375" O.D. | 3/4" - 1 1/4" | 1.050" - 1.800" | B-24 | SP-125 | 2,500 | 7,500 |
| MG-200A 3.0" O.D. | 1 1/2" - 2" | 1.75" - 2.375" | C-26 | SP-200 | 3500 | 10,500 |
| MG-300E* 4.5" O.D. | 2 1/2" - 3" | 2.75" - 3.5" | D-38 | SCS-4 (bolt) | 4,500 | 13,500 |
| MG-400E* 5.5" O.D. | 3 1/2" - 4" | 4.0" - 4.5" | F-52 | SCS-5 (bolt) | 6,000 | 18,000 |

* Equipped With Welded, Forged Eye in Place

SWIVEL EYE GRIPS

Constructed with a solid steel rotating eye and high grade galvanized cable, Triple D's Swivel Eye Grips provide contractors with a strong, long wearing grip that is easy to load and unload. These grips are engineered for pulling underground pipe, duct and primary and secondary cables.

The rotating eye is not a ball bearing type swivel and will not turn under pulling tension. It will only turn to relieve pulling torque when the pulling tension is released. If a constant swivel action is needed during a pull, use a properly sized ball bearing swivel ahead of the grip.

| SWIVEL EYE MESH GRIPS | | | | | |
|-----------------------|--------|-------------|-----------|--------------|------------------|
| Part No. | Weave | Grip Range* | Mesh Lth. | Working Load | Tensile Strength |
| S 75-99 | DOUBLE | .75-.99 | 20" | 2,200 | 6,800 |
| S 100-124 | DOUBLE | 1.00-1.24 | 20" | 4,400 | 12,800 |
| S 125-149 | DOUBLE | 1.25-1.49 | 24" | 4,400 | 12,800 |
| S 150-199 | DOUBLE | 1.50-1.99 | 25" | 5,500 | 16,400 |
| S 200-249 | DOUBLE | 2.00-2.49 | 26" | 9,000 | 27,200 |
| S 250-299 | DOUBLE | 2.50-2.99 | 28" | 11,000 | 33,000 |
| S 300-349 | DOUBLE | 3.00-3.49 | 30" | 13,600 | 41,000 |
| S 350-399 | DOUBLE | 3.50-3.99 | 32" | 16,000 | 48,000 |
| S 400-449 | DOUBLE | 4.00-4.49 | 33" | 16,000 | 48,000 |



PULLING GRIPS

Pulling grips are fabricated of Hi-Fatigue Aircraft Strand plastic coated steel cable. Continuous fabrication of grip from receiving end through entire mesh - including eye - provides a flexible stress relieving pulling eye. All strands are plastic coated, which increases the life of the grip, provides a bearing surface on underground pulls, and increases the ease and safety of installation and removal for workmen.

NOTE: When used without a "Lost Motion" device and trailing bullet, service life is significantly reduced.

| Part No. | Nominal Grip Range* | | Working Load |
|---------------|---------------------|----------------|--------------|
| A20-SW | 3/4" - 1 1/4" | (Single Weave) | 1,000# |
| A20 | 3/4" - 1 1/4" | (Double Weave) | 2,000# |
| B24 | 1 1/4" - 2" | (Triple Weave) | 2,500# |
| C26 | 2" - 2 3/4" | (Triple Weave) | 3,500# |
| D38 | 2 3/4" - 3 1/2" | (Triple Weave) | 4,500# |
| E46 | 3 1/2" - 4 1/4" | (Triple Weave) | 5,500# |
| F52 | 4 1/4" - 4 7/8" | (Triple Weave) | 6,000# |

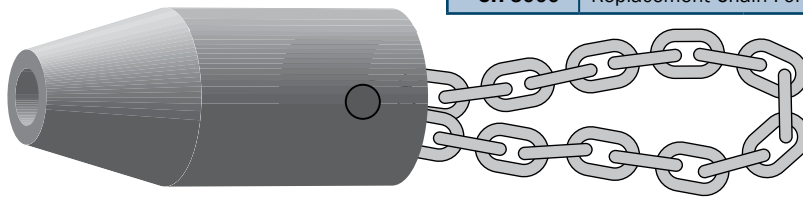
*Without Maxi-Grip Nose-Cone



POLY CHAIN GRIP

Designed for the “Loop” gripping method of pulling poly pipe. Four bullet diameters are available to give the contractor flexibility in pulling 1/2 inch thru 2 inch poly pipe. The poly chain grip is also ideal for pulling multiple poly pipes simultaneously.

| POLY CHAIN GRIP ASSEMBLY | | REPLACEMENT PARTS | |
|--------------------------|-----------------------------------------|-------------------|---------|
| Part No. | O.D. | Pin Set | Chain |
| PCG-150 | 1.5" | SP-75 | CH-2050 |
| PCG-200 | 2" | SP-100 | CH-2050 |
| PCG-250 | 2.5" | SP-125 | CH-2050 |
| PCG-300 | 3" | SP-200 | CH-3000 |
| CH-2050 | Replacement Chain For PCG-200 & PCG-250 | | |
| CH-3000 | Replacement Chain For PCG-300 | | |



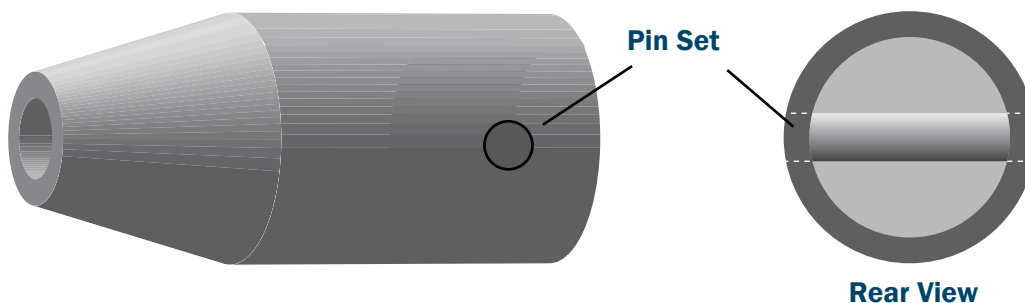
Use a “Lost Motion Assembly” to attach the chain grip to any TRIPLE D plowing blade.

TRAILING BULLETS

Five bullet diameters are available to give the contractor flexibility in pulling pipe and cable.

Trailing bullets are also ideal for pulling multiple pipes and cables simultaneously.

| Part No. | O.D. | Replacement Pin Set No. |
|----------------|------|-------------------------|
| BLT-150 | 1.5" | SP-75 |
| BLT-200 | 2" | SP-100 |
| BLT-250 | 2.5" | SP-125 |
| BLT-300 | 3" | SP-200 |
| BLT-400 | 4" | SP-300 |



Use a “Lost Motion Assembly” to attach trailing bullets to any TRIPLE D plowing blade.

WEDGE-GRIP

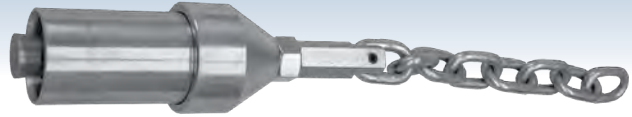
Pipe and Duct Grip

Triple D's new WEDGE-GRIP Pipe and Duct Grip is designed for pipe pulling (including vibratory plowing) and boring pull-backs. Its extreme ease of use, broad gripping range and rugged design make it an ideal grip for underground contractors. Coupling and uncoupling to pipe and duct can be done in just a few seconds without tools.

The WEDGE-GRIP'S sleeve has a different bore size at each end that allows it to grip a broad range of both PVC and PE pipe. It will grip 1" irrigation pipe SDR-11.5 and SDR-15, 1" PVC pressure pipe SDR-21 and SCH-40, 1" yellow gas pipe SDR-11, 1" O.D. controlled innerduct SDR-11, 13.5, 15.5 and 40, and 1" I.D. controlled innerduct SDR-9 and 11.5.

The grip's cone-shaped end cover reduces snagging, provides a smooth bore hole and, most importantly, keeps dirt out of the pipe. Additional protection from dirt is provided by a secondary shield – the sleeve's 1/2" thick web.

Once you have evaluated the WEDGE-GRIP'S many features, we believe you will agree it offers more value and flexibility than any other wedge-type pipe grip on the market today.



| Part No. | Description |
|------------------|--------------------------------------------------------------|
| WL-0100 | WEDGE-GRIP with TA-1K - COMPLETE ASSEMBLY for 1" Pipe |
| WL-0125 | WEDGE-GRIP with TA-1K - COMPLETE ASSEMBLY for 1 1/4" Pipe |
| WL-0100-A | Shaft with Cone – Chrome-moly Steel |
| WL-0125-A | Shaft with Cone – Chrome-moly Steel |
| WL-0100-B | Tapered End Cap (Nose Cone) |
| WL-0125-B | Tapered End Cap (Nose Cone) |
| WL-0100-C | Shell, Multi-Grip |
| WL-0125-C | Shell, Multi-Grip |
| WL-0100-D | Internal Grip Kit with "O" Rings |
| WL-0125-D | Internal Grip Kit with "O" Rings |
| WL-0100-E | Shaft Nut – 5/8" x 18 (Stainless Steel) Fits all WEDGE-GRIPS |

LMA-700

H.D. Lost Motion Assembly

The LMA-700 is a heavy-duty lost motion assembly engineered for 100% greater strength and service life over the standard TA-I K lost motion assembly. It is manufactured from 1" hex steel bar stock and 5/16" heat treated chain, making it the ideal choice for use with the WEDGE-GRIP Pipe and Duct Grip.

| Part No. | Description |
|-----------------|-------------------------------------|
| LMA-700 | H.D. Female adapter with H.D. Chain |
| LMA-700X | Exchange Price With WL-0100 |
| TA-2F | Heavy Duty Female Adapter - 1" Hex |
| TA-2C | Heavy Duty Chain for TA-2F |



LOST MOTION ASSEMBLIES

Used To Connect Pipe And Cable Gripping Devices To Plowing Blades

Provides an easy and positive connection between Triple D plowing blades and various pipe and cable pulling devices. They also extend the life expectancy of pulling devices by isolating them from the reciprocating motion of the plowing blade. There are eight (8) lost motion assemblies to choose from.

LMA-100 - A general purpose lost motion assembly for all other pulling device and blade combinations



LMA-150 - Connects Poly Pipe Grips (TG-2X thru TG-4X) and King Grips to Triple D plowing blades



LMA-200 - Connects Maxi-Grips (MG-100A thru MG-200A), all Poly Chain Grips, and Trailing Bullets (BLT-200 thru BLT-300) to Triple D plowing blades



4. **LMA-500** - A H.D. Lost Motion Assembly - 3/8" Chain x 1 1/4" Hex.



5. **LMA-600** - A H.D. Lost Motion Assembly - 3/8" Chain x 1 1/4" Hex.



6. **TA-1** - Connects Poly Pipe Grips (TG-2X thru TG-4X) and King Grips to Pipe Piper plowing blades



7. **TA-1K** - Connects Poly Pipe Grips (TG-2X thru TG-4X) and King Grips to Kaercher plowing blades



8. **TA-1D** - Connects Triple D Bullets & Grips to Pipe Piper Plowing Blades.



SWIVEL-EYE MAXI-GRIPS

Triple D's **Swivel-Eye Maxi-Grips** are designed to help relieve the twisting forces that are created when pulling pipe and cable underground. Today, they are being used extensively in the Directional Boring Industry to relieve destructive pulling torque on pipe and cable.

All Swivel-eye assemblies are custom manufactured by Triple D from Forged Carbon and Alloy Steels that are Heat-Treated to ASTM Standards for strength and wear resistance.

Swivel-Eye assemblies are attached to Maxi-Grips, both mechanically by thread and MIG welding, to insure maximum tensile strength and service life.

NOTICE: **Do not** push rearward when directional boring. You may crush pulling eye.

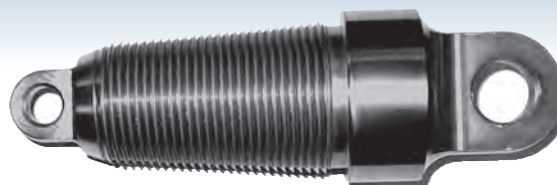
| SWIVEL-EYE MAXI GRIPS with MESH GRIP | |
|--------------------------------------|---------------|
| Part No. | Pipe Size |
| MG-100AS | 1/2" - 3/4" |
| MG-100BS | 3/4" - 1" |
| MG-125AS | 3/4" - 1 1/4" |
| MG-200AS | 1 1/2" - 2" |
| MG-300ES | 2 1/2" - 3" |
| MG-400ES | 3 1/2" - 4" |



FIXED HEAD PE PIPE & INNERDUCT PULLING EYES

DP-125L Shown

These solid steel pullers are machined with a tapered buttress thread to grip the inside wall of polyethylene pipe and innerduct by simply screwing them into the opening. When properly installed, the gripping power of the puller is stronger than the tensile strength of the pipe or innerduct. Pullers are installed quickly and easily with a screwdriver shaft or metal rod.



Typical uses are:

1. Pulling polyethylene water pipe, gas pipe and cable ducting with a vibratory plow.
2. Installing innerduct inside large cable duct.
3. Installing pipe and ducting in Horizontal and Directional Drilling applications.

| LUG STYLE PULLING EYES | | | |
|-----------------------------------|---------------------------|----------|----------|
| Part No. With Rear Lug I.D. | Nominal Duct Size | Min I.D. | MAX I.D. |
| DP-075L | 3/4" | 0.72" | 0.93" |
| DP-100L | 1" | 0.94" | 1.15" |
| DP-100AL | 1" IRRIGATION PIPE-SDR 21 | | |
| DP-125L | 1-1/4" | 1.26" | 1.44" |
| DP-150L | 1-1/2" | 1.48" | 1.66" |
| DP-175L | 1-3/4" | 1.65" | 1.85" |
| DP-200L | 2" | 1.91" | 2.08" |
| DP-300L | 3" | 2.5" | 3.125" |

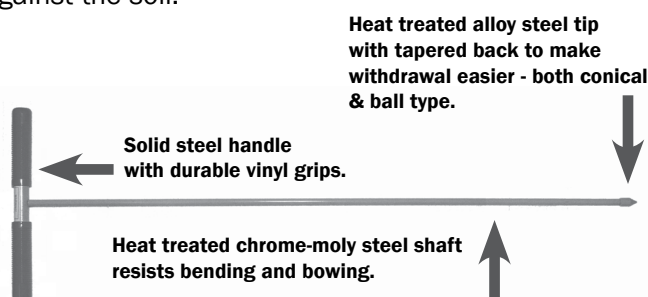
SOIL PROBES

Noninsulated

These soil probes use a high strength chrome-moly steel shaft for rigidity and durability.

The handle, shaft and tip are threaded. This allows the contractor to replace shafts and tips as required.

All probe tips are manufactured from heat treated alloy steel and designed to provide a clearance hole for the shaft. This makes penetration and withdrawal of the probe easier since the shaft is not dragging against the soil.



| COMPLETE UNIT W/HANDLE, SHAFT, & CONNICAL TIP | |
|-----------------------------------------------|--------|
| Part No. | Length |
| SP-36 | 36 IN. |
| SP-42 | 42 IN. |
| SP-48 | 48 IN. |
| SP-54 | 54 IN. |

| CHROME-MOLY SHAFTS | |
|--------------------|--------|
| Part No. | Length |
| SPS-36 | 36 IN. |
| SPS-42 | 42 IN. |
| SPS-48 | 48 IN. |
| SPS-54 | 54 IN. |

| TIPS - CONICAL | |
|----------------|----------|
| Part No. | Quantity |
| SP-5 | 5 PACK |
| SP-10 | 10 PACK |

| TIPS - BALL | |
|-------------|----------|
| Part No. | Quantity |
| SPTB-5 | 5 PACK |
| SPTB-10 | 10 PACK |

NOTE:

Shipped KD to reduce shipping and handling costs.

Insulated

Terra-Bore's insulated alloy steel soil probe is designed to provide electrical protection up to **45,000 volts** - provided the user avoids bodily contact with the un-insulated portion of the probe (the shaft). Other quality features of our insulated soil probe are:

1. Probe **TIP** is heat treated chrome-moly alloy steel for durability, and is threaded for easy replacement
2. Probe **SHAFT** is heat treated chrome-moly alloy steel for resistance to bending and is threaded on each end for a secure connection and ease of replacement *(will not snap in half like a fiberglass shaft).
3. Probe **INSULATOR** is manufactured by using Advanced Ram Extrusion Technology to achieve high tensile and yield strengths. The insulator is then precision machined to finished dimensions on state-of-the-art CNC machinery. Insulator is also impervious to water absorption for constant dielectric strength.
4. Probe **HANDLE** is 7/8" x 11" solid steel for strength and control during ground penetration.
5. Probe **GRIPS** are durable and comfortable vinyl for impact resistance.

The Insulated Probe is readily available in 36", 42", 48" and 54" lengths. Other lengths are available upon request.



| PROBES | |
|----------|-----------------|
| Part No. | Handle Length |
| ISP 36 | 7/8" x 11", 36" |
| ISP-42 | 7/8" x 11", 42" |
| ISP-48 | 7/8" x 11", 48" |
| ISP-54 | 7/8" x 11", 54" |

*Dielectric Strength Tested To ASTM D-149

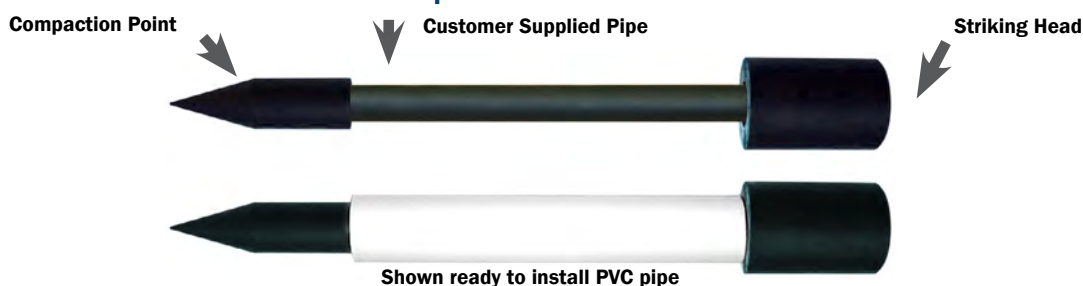
SIDEWALK SPEAR

Triple D has developed a new and inexpensive tool kit to install 1" pipe, short distances, under sidewalks and similar obstacles. The tool kit contains two parts - a "Striking Head" and a "Compaction Point" that screw onto a customer supplied length of 1/2" steel pipe. The steel pipe is readily available, in various lengths, at any local Home Center or Hardware store. With the new Sidewalk Spear™ tool kit, contractors

can now assemble low cost custom lengths of the tool to suit various sized obstacles. When properly assembled and used, the tool allows the user to install 1" water pipe or electrical conduit under sidewalks in just a few minutes.

The Sidewalk Spear™ accommodates 1" PVC pipe (sch. 40 and Class sizes) and electrical conduit.

Sidewalk Spear Kit - Model SS-1000



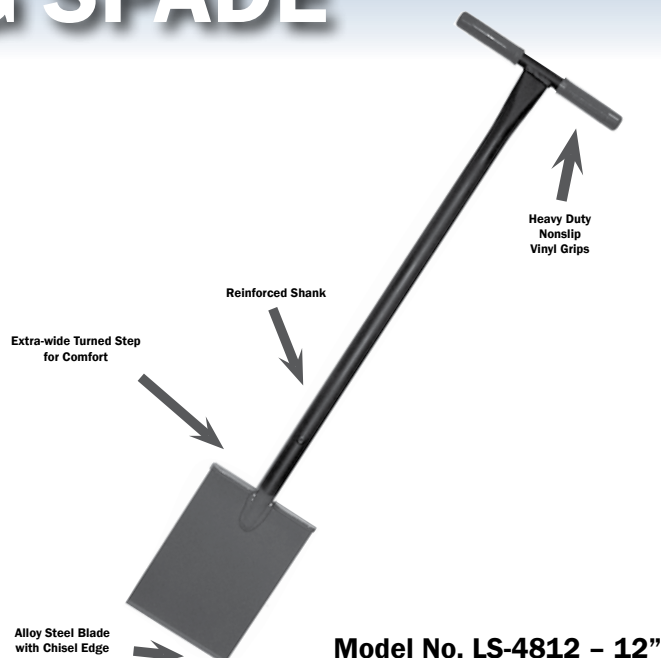
IMPORTANT

Always notify the local One-Call System prior to excavating, plowing or boring. Always expose utilities near your work by a non-destructive method before excavating, plowing or boring.

EXTREME DUTY LIGHTING/EDGING AND ROOT CUTTING SPADE

Triple D's new Lighting/Edging Spade is a heavy duty "all steel" tool designed to help the landscape lighting contractor install low voltage wire in areas inaccessible by machine, i.e. shrub and flower beds.

This new Spade uses a 1/4" thick alloy steel, square-point blade with the handle set directly over the blade to provide leverage for edging and cutting into roots and surfaces. The top of the blade is turned over and flattened to provide an extra-wide step that is easier on your foot. For added strength, the handle/blade shank area is internally reinforced to make this tool one of the strongest in the industry.



ATTACHMENT HARDWARE

Load Rated Screw Pin Anchor Shackles



Load Rated Screw Pin Anchor Shackles

| Part No. | Body Size | Pin Size | WLL (Lbs) |
|----------|-----------|----------|-----------|
| AS-312 | 5/16" | 3/8" | 1,500 |
| AS-375 | 3/8" | 7/16" | 2,000 |
| AS-438 | 7/16" | 1/2" | 3,000 |
| AS-500 | 1/2" | 5/8" | 4,000 |
| AS-625 | 5/8" | 3/4" | 6,500 |
| AS-750 | 3/4" | 7/8" | 9,500 |
| AS-875 | 7/8" | 1" | 13,000 |
| AS-100 | 1" | 1-1/8" | 17,000 |

Quick-Links



| Quick Links | |
|-------------|-------|
| Part No. | Size |
| 9N | 5/16" |
| 10N | 3/8" |
| 12N | 1/2" |

FASTENERS, MOUNTING SHIMS, & HITCH PINS

For all Except Pipe Piper



DITCH WITCH
1 3/8" x 6"
Part No. DW-6



DITCH WITCH
1 3/8" x 10"
Part No. DW-10



TORO, BURKEEN, CASE & VERMEER
1 1/8" x 6"
Part No. HP-6

| Quick Links | | | |
|-------------|------------------------------------------|----------|-------------------------------------------------------------|
| Part No. | Description | Part No. | Description |
| S-10-250 | Mounting Shim, 1/4" Thick - 2 Pcs. | SP-200 | Spring Pin Set - 3/8" Dia. X 3" Lth. |
| S-10-312 | Mounting Shim, 5/16" Thick - 2 Pcs. | SP-300 | Spring Pin Set - 1/2" Dia. X 4" Lth. |
| S-10-375 | Mounting Shim, 3/8" Thick - 2 Pcs. | DW30A-CB | Clamping Bar For Saber-Cut Blades |
| S-10-437 | Mounting Shim, 7/16" Thick - 2 Pcs. | CS625175 | Cap Screw, 5/8" X 1.75" |
| S-10-500 | Mounting Shim, 1/2" Thick - 2 Pcs. | LW-625 | Lock Washer, 5/8" |
| S-60-250 | Mounting Plates For Case P-60 Plows | LN-625 | Lock Nut, 5/8" |
| SCS-4 | Socket Head Cap Screw, 1/2" X 4" | GP-250 | Gate Pin - 3/8" X 2.50" |
| SCS-5 | Socket Head Cap Screw, 5/8" X 5" | HP-6 | Hitch Pin - 1.125" X 6.0" Fits Case/Toro, Burkeen & Vermeer |
| SP-75 | Spring Pin Set - 1/4" Dia. X 1.5" Lth. | DW-6 | Hitch Pin - 1.375" X 6.0" Fits Ditch Witch |
| SP-100 | Spring Pin Set - 5/16" Dia. X 2" Lth. | DW-10 | Hitch Pin - 1.375" X 10.0" Fits Ditch Witch |
| SP-125 | Spring Pin Set - 3/8" Dia. X 2 1/2" Lth. | HPC-8 | Hair Pin Clip For Hp-6, Dw-6 & Dw-10 |

HEAVY DUTY CARBIDE TIPPED BLADE BULLETS*

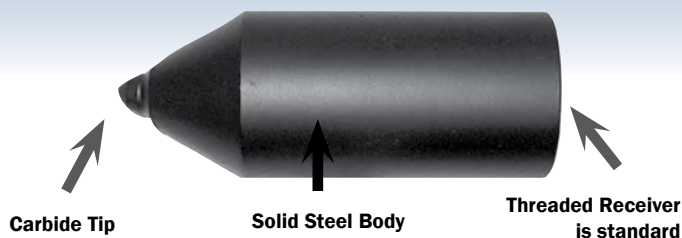
This heavy duty carbide tipped blade bullet is manufactured from solid steel bar stock on our modern CNC machinery for consistent quality. The solid one-piece bullet design uses a carbide tip for long service life and threaded receiver at the back for easy attachment of a lost-motion assembly.

These units may be purchased separately for field installation, or factory installed on new plowing blades.

May be used on 1/2" or thicker plowing blades.

A welded lug can be supplied at no additional cost.

*** Welding Required**



| Part No. | Description |
|----------------|----------------------|
| CB-200 | 2" dia. |
| CB-200X | 2" dia. (exchange) |
| CB-250 | 2.5" dia. |
| CB-250X | 2.5" dia. (exchange) |
| CB-300 | 3" dia. |
| CB-300X | 3" dia. (exchange) |
| CB-350 | 3.5" dia. |
| CB-350X | 3.5" dia. (exchange) |

THE TURF HAMMER

Engineered for Performance

**Converts Your Vibratory Plow Into An Efficient
And Economical Tamper Within Seconds.***



TH-100 - fits Ditch Witch
255SX through 410SX



TH-200 - fits Toro/Case,
Berkeen & Vermeer



TH-200D Turf Hammer Assembly,
Dingo

| Part No. | Description |
|-----------------|-------------------------------------------------|
| TH-100L | "Turf hammer" ass'y. - Ditch witch 255 thru 410 |
| TH-200 | "Turf hammer" ass'y. - Case, burkeen & vermeer |
| TH-200D | "Turf hammer" ass'y. - Dingo |
| TH-100AL | Ram, tamper - ditch witch |
| TH-200A | Ram, tamper - case, burkeen & vermeer |
| TH-200DA | Ram, tamper - dingo |
| TH-30 | Pin, king |
| TH-40 | Foot assembly weldment |
| TH-55 | Zerk grease fitting - 1/8" npt |
| TH-60 | Washer, retaining |
| TH-70 | Bolt, retaining - 3/8" x 3/4" |
| TH-80 | Washer, lock - 3/8" |

*** Plows equipped with quick-disconnect pins**

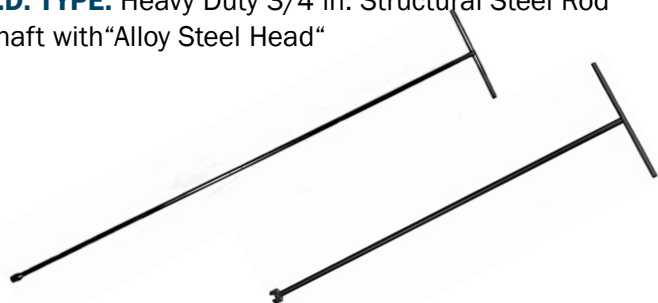
"RED HEAD"

Professional Series Installation Accessories

Meter Keys

MUELLER TYPE: 5/8 in. Structural Steel Rod Shaft with "Alloy Steel Head"

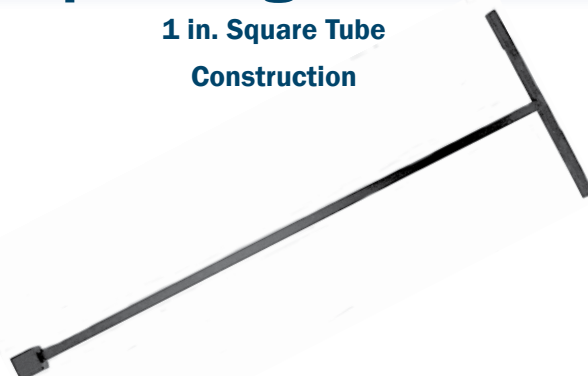
H.D. TYPE: Heavy Duty 3/4 in. Structural Steel Rod Shaft with "Alloy Steel Head"



| PROFESSIONAL METER KEYS | | | |
|-------------------------|------------|------------|----------------|
| Part No. | O/A Length | Head Width | Groove Opening |
| MU-60 | 5' | 1" | 7/16" |
| MU-72 | 6' | 1" | 7/16" |
| MK-60 | 5' | 1.5" | 3/4" |
| MK72 | 6' | 1.5" | 3/4" |

Operating Wrench

1 in. Square Tube Construction



| PROFESSIONAL OPERATING WRENCHES | | |
|---------------------------------|------------|------------|
| Part No. | O/A Length | Head Width |
| OW-48 | 4' | 2" |
| OW-60 | 5' | 2" |

H.D. Steel Dirt Tampers



| Part No. | Plate Size | Handle Length |
|-----------|------------|---------------|
| T-88-48 | 8x8 | 48" |
| T-88-60 | 8x8 | 60" |
| T-1010-48 | 10x10 | 48" |
| T-1010-60 | 10x10 | 60" |
| T-410-60 | 4x10 | 60" |

Curb/Service Keys

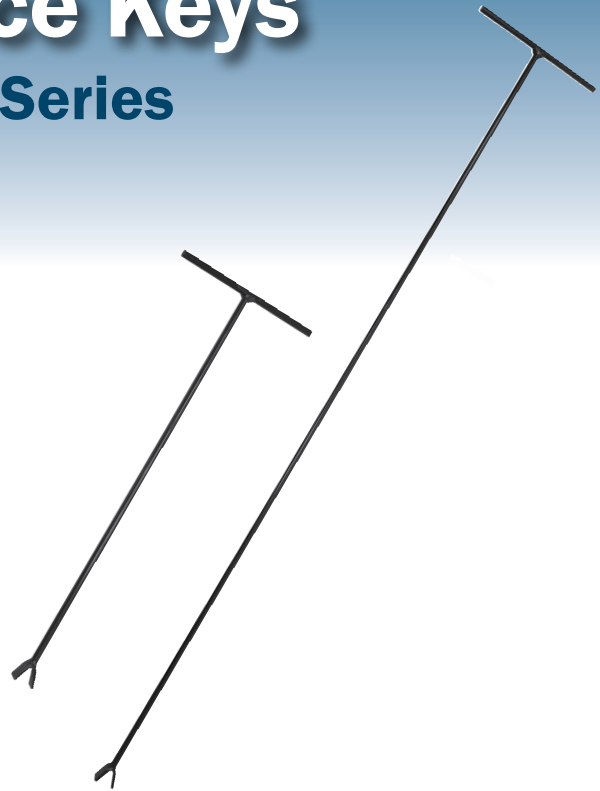
Commercial Series

For Standard Valves

The curb/service valve keys listed below are manufactured from 1/2" solid round A-36 steel and 1/4" x 1" formed steel driver heads for an excellent performance to cost ratio, and they cost 55% less than our "Red Head" professional series of curb keys.

| 10" HANDLE - SOLID ROUND STEEL SHANK | | | |
|--------------------------------------|-----|-----------|-----------|
| Part No. | OAL | HEAD SIZE | PKG. QTY. |
| CK-28 | 28" | 1"x1.625" | 10 |
| CK-60 | 60" | 1"x1.625" | 10 |

* Other lengths are available on special order.



Wire Rope Pulling Slings

Pulling Slings, manufactured in house by Triple D, allow multiple pulls of cable, pipe or duct at one time by using staggered attachment. The staggered arrangement insures that individual connections do not interfere with each other.

These high quality pulling slings are manufactured from extra flexible, 7x19, galvanized aircraft cable for strength and durability. Individual Legs are replaceable. Working Leg Loads and Total Work Loads are based on equal horizontal loads on all cables and a safety factor of 3:1.

Not For Overhead Use!



| Part No. | Description | Part No. | Description |
|----------------|-----------------------------------------------------|----------------|-----------------------------------------------------|
| WRS-202 | 1/4" Dia. Cable, 2 Legs, Total Work Ld. 4,000 Lbs. | WRS-402 | 1/2" Dia. Cable, 2 Legs, Total Work Ld. 13,000 Lbs. |
| WRS-203 | 1/4" Dia. Cable, 3 Legs, Total Work Ld. 6,500 Lbs. | WRS-403 | 1/2" Dia. Cable, 3 Legs, Total Work Ld. 13,000 Lbs. |
| WRS-204 | 1/4" Dia. Cable, 4 Legs, Total Work Ld. 6,500 Lbs. | WRS-404 | 1/2" Dia. Cable, 4 Legs, Total Work Ld. 17,000 Lbs. |
| WRS-205 | 1/4" Dia. Cable, 5 Legs, Total Work Ld. 6,500 Lbs. | WRS-406 | 1/2" Dia. Cable, 6 Legs, Total Work Ld. 17,000 Lbs. |
| WRS-206 | 1/4" Dia. Cable, 6 Legs, Total Work Ld. 6,500 Lbs. | DS-500 | Sling Shackle - 1/2". 4,000 Lb. W/L |
| WRS-302 | 3/8" Dia. Cable, 2 Legs, Total Work Ld. 9,500 Lbs. | DS-625 | Sling Shackle - 5/8". 6,500 Lb. W/L |
| WRS-303 | 3/8" Dia. Cable, 3 Legs, Total Work Ld. 9,500 Lbs. | DS-750 | Sling Shackle - 3/4". 9,500 Lb. W/L |
| WRS-304 | 3/8" Dia. Cable, 4 Legs, Total Work Ld. 13,000 Lbs. | DS-875 | Sling Shackle - 7/8". 11,000 Lb. W/L |
| WRS-305 | 3/8" Dia. Cable, 5 Legs, Total Work Ld. 13,000 Lbs. | DS-100 | Sling Shackle - 1.0". 17,000 Lb. W/L |
| WRS-306 | 3/8" Dia. Cable, 6 Legs, Total Work Ld. 13,000 Lbs. | | |



TRIPLE D ENTERPRISES

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TEL: (609) 859-3000 • FAX: (609) 859-4408
www.triplednj.com

WARRANTY

Triple D Enterprises, Inc. manufactured products (except as noted) are guaranteed against any defect in material or workmanship for a period of thirty (30) days from date of purchase when owned by original purchaser or first user, and maintained and operated under normal conditions. Any products not manufactured by Triple D Enterprises, Inc. are warranted only to the extent of the original manufacturer's warranty. Parts found to be defective in material or workmanship under this guaranty shall be repaired or replaced without charge, F.O.B. original point of shipment, provided prompt written notice of the defect is given and compliance with the terms of the guaranty is established. THE FOREGOING SHALL BE PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DEFECTS. Underground tools are CONSUMABLE ITEMS! Therefore, wear caused by abrasion and normal use is not warranted. This warranty shall be void if repairs or alterations are made. No person, agent, representative, salesman, dealer or distributor has any authority to change or extend the warranty expressed herein nor to obligate Triple D Enterprises, Inc. by any terms, stipulations or conditions not herein expressed. THE ABOVE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

WARRANTY DISCLAIMER

The following products are not warranted:

1. 1/4" and 3/8" thick plowing blades.
2. All horizontal boring equipment.

LIMITATION OF LIABILITY

Purchaser agrees and acknowledges that in no event shall Triple D Enterprises, Inc. be liable to Purchaser or to any third party for ordinary, special, consequential or incidental damages or losses or for any expenses or damages incurred by Purchaser or any third party attributable to any item sold by Triple D Enterprises, Inc.

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IMPORTANT

ALWAYS NOTIFY THE LOCAL ONE-CALL SYSTEM PRIOR TO EXCAVATING, PLOWING OR BORING. ALWAYS EXPOSE UTILITIES NEAR YOUR WORK BY A NON-DESTRUCTIVE METHOD BEFORE EXCAVATING, PLOWING OR BORING.

NOTE: All manufacturer's names, symbols, and descriptions are used for reference purposes only, and none of the products listed are the products of these manufacturers.



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Tools & Accessories**

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