

Chain Type vs. Soil Condition

Chain	Sandy Soil	Soft Soil	Medium Soil	Hard Soil	Rocky Soil	Sticky Soil
4-Pitch Cup Tooth	■	■	■	■	■	■
2-Pitch Cup Tooth	■	■	■	■	■	■
Alligator Chain, 2-Pitch	■	■	■	■	■	■
Alligator/Cup Tooth Combo	■	■	■	■	■	■
Shark Chain	■	■	■	■	■	■
Alternating Side Bar	■	■	■	■	■	■

Key: ■ Good ■ Better ■ Best ■ Not Recommended

DITCH WITCH CHAIN, TEETH, SPROCKETS DIGGING SYSTEMS



THE CHARLES MACHINE WORKS, INC. DITCH WITCH WORLDWIDE HEADQUARTERS PERRY, OK 73077-0066 U.S.A.

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FOR INFORMATION ON DITCH WITCH FINANCIAL SERVICES, GIVE US A CALL

TO FIND THE DEALER NEAREST YOU, VISIT DITCHWITCH.COM

GROUND BREAKING™ EQUIPMENT FROM THE COMPANY THAT LAUNCHED THE INDUSTRY

COMPACT UTILITY | TRENCHERS | HDD | ELECTRONICS

CERTIFIED QUALITY
MANAGEMENT SYSTEM
ISO 9001:2000

LFCMWL2079-1108-2



Know what's below.
Call before you dig.



Ditch Witch Digging Systems.

The efficiency of any machine depends on the effectiveness of each of its parts. With conventional digging systems, one flawed part—a worn tooth or inferior sprocket—can mean the failure of the entire system.

But nothing the Ditch Witch® organization manufactures is conventional, especially its all-important digging systems, the most efficient and durable on the market today. These high-quality chains, forged headshaft sprockets, and superior digging teeth are designed to work together as a system to provide unparalleled trenching performance.

You'll find all of the high-quality parts, equipment, and service you need at your authorized Ditch Witch equipment dealership, home of the most extensively trained and most dedicated sales and service professionals in the industry.

Chains

Whether you need a chain for a particular type of soil—the 4-pitch, cup-tooth chain is designed for soft soils, for example—or a multi-purpose chain like the Shark Chain II, you can count on every Ditch Witch digging chain meeting the highest standards of design and manufacturing.



KEY FEATURES

- Engineered with the proper tolerances to handle the stresses created by tough digging conditions
- Oversized rollers and raised rivet side bar design increase your chain life
- The patented Shark Chain II is effective in most soils, from dirt to chunk rock; creates a curved trench bottom to cradle the pipe or other service in the trench
- Ditch Witch chain is available in tensile strengths of 33,000 to 225,000 pounds

Teeth

Only the highest standards of design, engineering and materials go into all genuine Ditch Witch digging teeth. Custom-made steel, ample tungsten carbide, and a special heat-treat process are among the elements that are combined to create the most durable teeth in the industry.



KEY FEATURES

- Made from a high-grade steel manufactured exclusively for The Charles Machine Works, Inc.
- Special three-step heat-treat process makes each tooth harder without making it brittle
- The Ditch Witch organization applies more tungsten carbide to the tooth face than any competitor
- Independent tests show that Ditch Witch digging teeth last 29% longer than those of other manufacturers

Sprockets

As with all Ditch Witch equipment, genuine Ditch Witch sprockets are engineered to exacting standards. By creating longer, more tapered sprocket teeth, both the sprocket and the chain work together better and last longer.



KEY FEATURES

- Hammer-forged and induction heat-treated to create a harder surface that lasts longer and a softer core that better absorbs shock
- Manufacturing process eliminates impurities or air holes found in cast sprockets, which can cause premature failure
- Ditch Witch sprocket teeth are longer and more tapered to fit the chain roller better, which helps both components last longer
- Mud relief between the sprocket teeth allows spoils to escape

All Ditch Witch parts—including chains, teeth, and sprockets—are backed by a one-year warranty, including labor, for failure due to a defect in material or workmanship.