

# TRENCHER TOOLING

CHAINS AND ASSEMBLIES

Vermeer



# CHAINS AND ASSEMBLIES

## LARGE TRENCHERS

### Designed for Maximum Performance.

Vermeer digging chains are uniquely designed to meet the demanding conditions that trenching projects impose. Each Vermeer chain design has been field-tested under a variety of conditions to provide greater service and longevity. H-Series and AH-Series offer extra-tough performance for harsh conditions. Get the chain advantage that only Vermeer can offer.

#### STRONG

##### K-Series

The K-Series chain features the original, proven Vermeer bent-bar chain design. Suitable for everyday use, the K chain is offered standard on some trencher models, and as an option on others.

#### STRONGER

##### H-Series

The H-Series chain is designed without rollers — no rollers to wear out; larger pins reduce failures related to shock loading. Additionally, a greater contact area on the side bar edge also offers chain wear reduction. Standard on T755, T855 and T955.

#### STRONGEST

##### AH-Series

For trenching in the toughest conditions, AH-Series chains offer all the benefits of H-Series chains, but feature added chain and attachment strength.

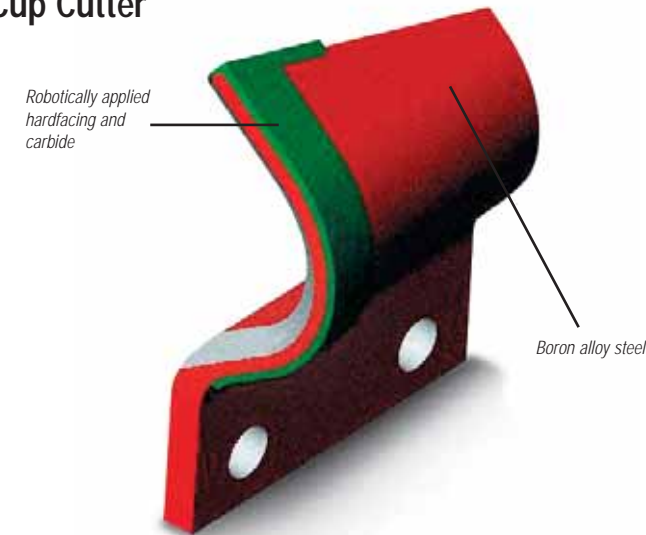


### The Added Value of Vermeer Chain Assemblies.

Vermeer chains are available in K, H, and AH styles to meet your job specifications — and your budget. Customize your chain by choosing from a variety of cuts, configurations, tooling and materials. Selected chains are now available in convenient assemblies\* — no more handling of awkward cutter bases!

- *Fit and life of the cutter base is assured through the use of high tensile strength fasteners.*
- *Chain bases are available in several grades of steel to meet your job specifications and budget.*
- *Stabilize and reduce excess wear on the digger chain, extend the life of the cutter base, and more effectively utilize cutting tools by using a Vermeer base with a custom anti-back-flex bar.*

### Cup Cutter



### Tackle Tough Jobs With Vermeer Cutters.

- Quality-controlled by Vermeer
- Designed to maximize Vermeer equipment performance
- Components are precision-machined to integrate seamlessly with all specified chains
- Robotically applied welds and hardfacing improve cutter wear characteristics over hand-applied hardfacing methods

\*Single-style chains custom ordered.



# CUTTING TOOLS ROTARY

## Cup Cutter

The cup cutter is constructed with a large quantity of high-quality carbide particles and includes impact- and abrasion-resistant hardened steel for long wear characteristics.



## Tiger Tooth

The patented Tiger Tooth boasts a unique, productivity-enhancing geometry that lifts spoil efficiently from the trench.



## Shark Tooth

The proven Shark Tooth features flexible setups for the operator who needs to change trench widths; is compatible with the cup cutter for combination setups. A protective base plate saves on bolt head wear. Available for track and rubber tire digging chains.



## Rotary Cutter

Rotary teeth are a good choice for moderate rock and frost applications. (Available in a variety of configurations, including bolt-on and welded).



## Track Rotary Cutter

With a width-adjustable chain setup, track rotary cutters are excellent for solid rock, rocky soils and frost.



## Rotary Chain

Rotary chains perform well in compacted ground, rocky conditions and frost. Features carbide-tipped cutters for durability.

Available for: V4150, V5750, V5800, V8100, V8550a, V120, RT350, RT450, RTX450, RT650, RT700 / 850, RT950, RTX1250



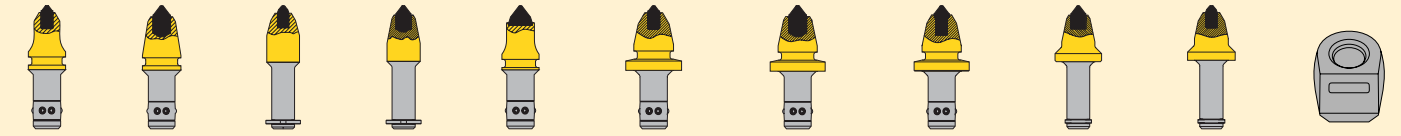
## Welded Rotary Chain

Is a low-profile welded chain — performs with less kickback and has no bolts to loosen with use. Features rotary cutters for use in tough conditions.

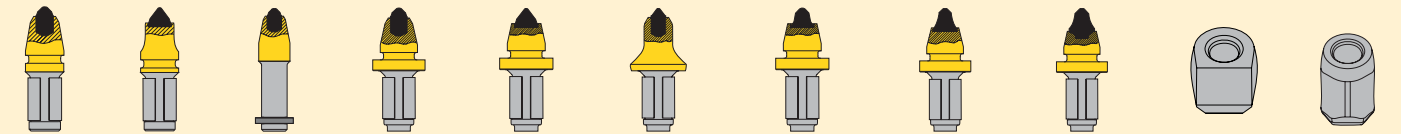
Available for: V3550, V4150, V5750, V5800, V8100, V8550a, V120, RT350, RT450, RTX450, RT650, RT700 / 850, RT950, RTX1250



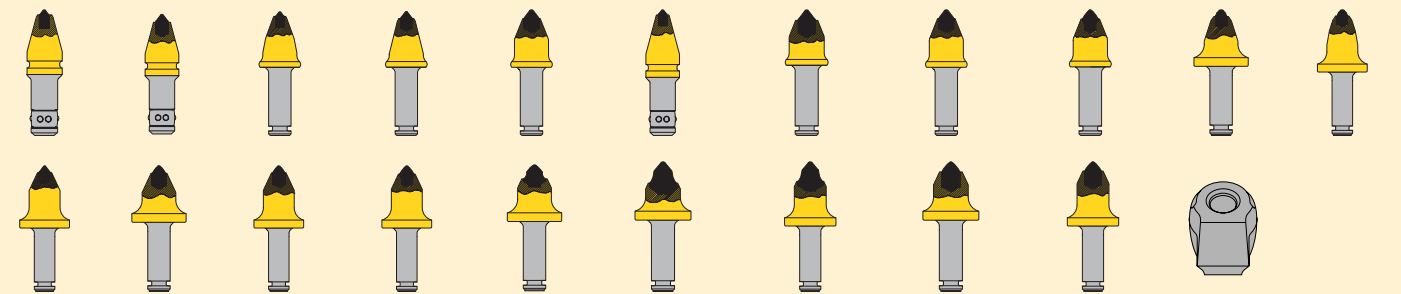
## .74" (1.89 cm) Shank Series



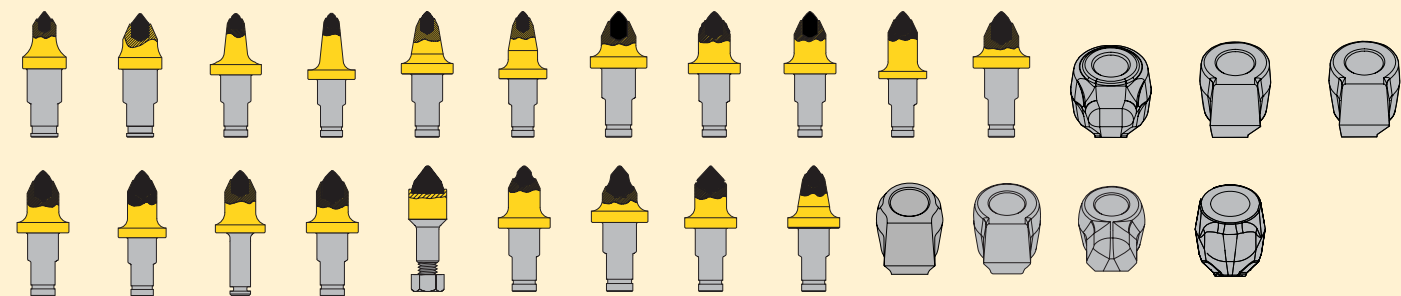
## .86" (2.18 cm) Shank Series



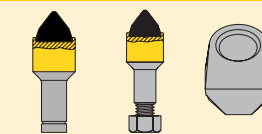
## 1" (2.54 cm) Shank Series



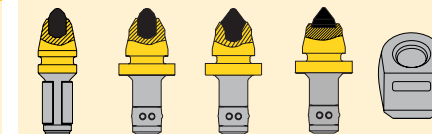
## Step Shank Series



## CMM Series



## .76" (1.93 cm) Shank Series



## Installation and Removal Tools



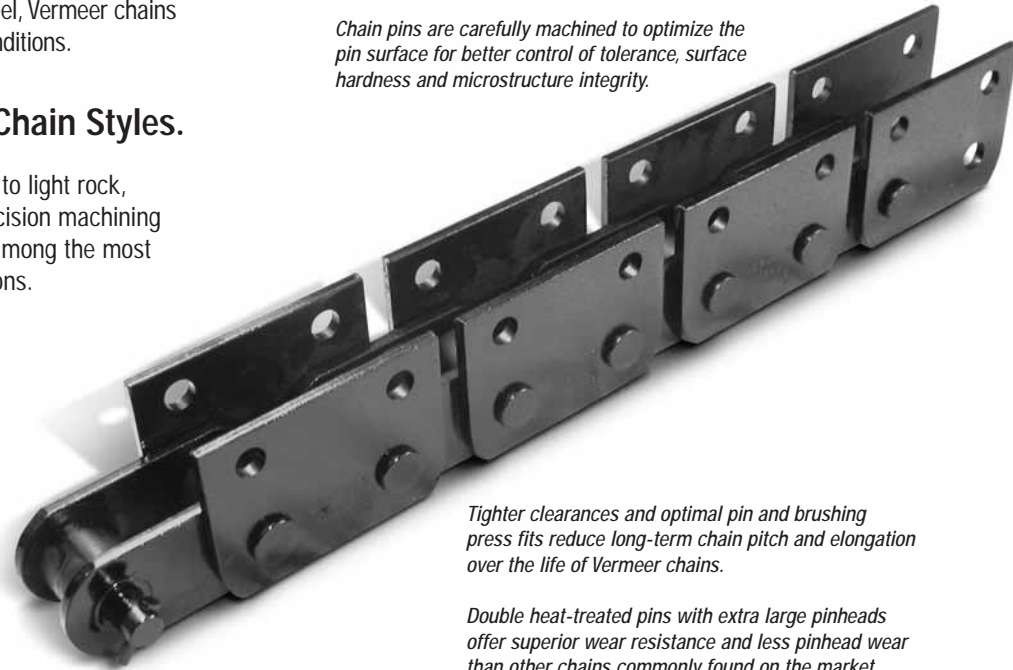
# CHAINS AND ASSEMBLIES SMALL / MEDIUM TRENCHERS

## Cutting-Edge Design With Enduring Quality.

As a world leader in trenching and underground installation, Vermeer proudly offers advanced digging chain and cutting technology. Constructed from high-quality, heat-treated alloy steel, Vermeer chains perform day after day in a wide range of ground conditions.

## Five High-Performance Trencher Chain Styles.

From hard clay to loam and sandy clay, from frost to light rock, Vermeer offers a chain style to fit your needs. Precision machining and careful design help to make Vermeer chains among the most productive you can use for your trenching operations.



*Vermeer chains feature solid, precision-ground nickel/chrome alloy steel thimbles with exceptional strength and superior press fit control.*

*Chain pins are carefully machined to optimize the pin surface for better control of tolerance, surface hardness and microstructure integrity.*

*Tighter clearances and optimal pin and brushing press fits reduce long-term chain pitch and elongation over the life of Vermeer chains.*

*Double heat-treated pins with extra large pinheads offer superior wear resistance and less pinhead wear than other chains commonly found on the market.*



### Standard

The standard chain offers a cost-efficient way to trench in a variety of ground conditions. Loam, sandy clay and hard clay are just a few of the common applications that this S-style chain is designed for.

### Low-Profile

The low-profile design delivers efficient cutting with minimal kickback — reducing side bar edge wear and extending cutter longevity. It features welded construction to prevent pins and bars from working loose during demanding digging jobs.

### Flat Base

This K-style chain delivers smooth performance. Cutting tools are bolted on its top (instead of side) for better performance in tough conditions. Optional bolt-on bases are available for frost, light rock and most soils.



### Anti-Back-Flex Standard

The side bar edge wear is limited by lessening the boom bounce and kickback experienced when attachment links back-flex, which helps reduce machine stress and features a long life.

### Anti-Back-Flex Super-Duty

This chain offers excellent attachment strength through a fixed-roller design that is equipped exclusively with heavier components and an ABF sidebar for reduced joint and side bar edge wear.

## Tough Chains Matched to Rugged Cutters.

The Vermeer Cutting Edge Group produces a wide range of standard chain/cutter combinations for a variety of conditions.

The Cutting Edge Group can also build custom chains engineered to your unique soil or rock conditions — contact your dealership for details.



*An example of a custom chain used to pulverize Florida coral deposits.*



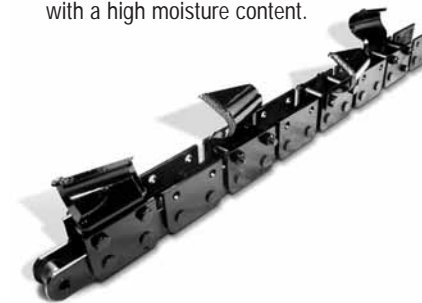
### Full Cup Chain

This chain uses a series of cup cutters on each link; is designed to perform in moderate soil conditions.



### Partial Cup Chain

Cup cutters are installed on every other link; performs in moderate soils with a high moisture content.



### Full Tiger Chain

Depending on the chain pattern, this chain can dig in medium- to hard-packed soil and frost.



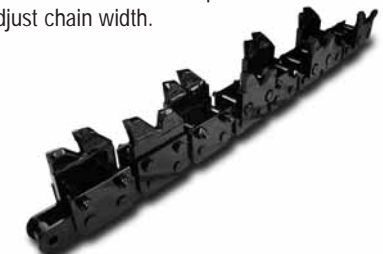
### Tiger Combo Chain

Utilizes the Tiger Tooth in conjunction with cup cutters to offer service in compacted ground and sandy clay.



### Full Shark Chain

Uses bolt-on rugged cutters and is designed for use in hard-packed soils and frost. Allows the operator to adjust chain width.



### Shark Combo Chain

Offers simultaneous trenching and cleaning in a variety of soil conditions, including loam, sandy clay and hard clay.



### Welded Shark Chain

Is a low-profile welded chain — performs with less kickback and has no bolts to loosen with use. Features the Shark Tooth for extended longevity.



Small / Medium Trenchers	LM25	LM42	RT60	V1150	V1350	RT100	RT200	V3500A	RT450	RTX450	V4150A	V5750	RT650	RTX650
CMM series	•	•		•	•	•	•							
.74" (1.89 cm) shank series								•	•	•	•	•	•	•
Small / Medium Trenchers	V5800	V6500	RT450	RT700	V8100	RT850	V8550A	V120	RT1250	RTX1250	OCC145A	OCC145		
.74" (1.89 cm) shank series	•	•		•	•	•	•	•	•	•				
.76" (1.93 cm) shank series	•	•	•	•	•	•	•		•	•				
.86" (2.18 cm) shank series			•				•		•	•	•			•
Large Trenchers	T455	T555	T558	T655	T755	T758	T855	T858	T955	T1055	T1155	T1255		
.74" (1.89 cm) shank series	•	•	•											
1" (2.54 cm) shank series		•	•	•	•	•	•	•						
Step shank series									•	•	•	•	•	•

## Worldwide coverage with a local touch.

Your independent, authorized Vermeer dealer knows your local conditions and is ready to provide expert sales, support, service and parts — wherever your jobsite.

## From small, walk-behind units to large rock

trenchers, from vibratory plows to special-application equipment, Vermeer has a long-standing reputation for production, innovation and dependability. With a full range of trencher support materials and systems, Vermeer is equipped to provide support at each and every jobsite.



Vermeer Manufacturing Company  
 1210 Vermeer Road East  
 P.O. Box 200  
 Pella, Iowa 50219 U.S.A.  
 Phone: (641) 628-3141  
 Fax: (641) 621-7773  
 International fax: +1 (641) 621-7730  
[www.vermeer.com](http://www.vermeer.com)

Call toll-free 1-888-VERMEER  
 1-888-837-6337 (U.S.A. only)

Europe, Middle East, and Africa:  
 P.O. Box 323  
 4460 AS Goes  
 Netherlands  
 Phone: +31 113 272700  
 Fax: +31 113 272727

Equipment shown is for illustrative purposes only and may display optional accessories or components. Please contact your local Vermeer dealer for more information about machine specifications. Vermeer Manufacturing Company reserves the right to make changes in engineering, design, and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. VERMEER and the VERMEER LOGO are trademarks of Vermeer Manufacturing Company in the U.S. and / or other countries.

Shark Tooth is a trademark of Consolidated Carbide, Inc.

© 2007 Vermeer Manufacturing Company. All Rights Reserved.