

Thousands of satisfied customers

THE RATCHET RAKE

Multipurpose Loader Bucket Attachment

US. PAT.
7287344

PRODUCT INFORMATION SHEET



52" Ratchet Rake

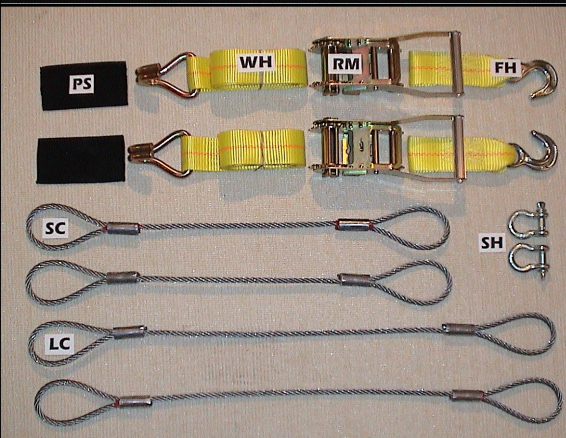
Fits Buckets 45"-54" Wide
For Machines up to 60 HP
SKU 1125015

68" Ratchet Rake

Fits Buckets 60"-72" Wide
For Machines up to 60 HP
SKU 1125023

72" Ratchet Rake

Fits Buckets 66"-78" Wide
For Machines up to 90 HP
SKU 1125031



The Ratchet Rake is a patented multi-purpose implement that quickly attaches to tractor and skid loader buckets. The combination of two separate rows of teeth projecting outward and downward enables this product to rip out thick brush and vegetation like no other. The unique ability to be effectively operated in a forward or backward direction makes the Ratchet Rake perfectly suited for performing a host of other jobs.



See video & more Info at:
www.RatchetRake.com

Universal Connection Hardware Included with all Ratchet Rakes

PS-Protective Sleeve RM-Ratchet Mechanism
SC-Short Cable FH-Forged Hook
LC-Long Cable SH-Shackle
WH-Wire Hook (Hardware Pack 12 lbs.)

What is a Ratchet Rake used for?

- Removing: Rocks, Brush, Saplings, Other Vegetation
- Preparing: Food Plots, Lawns, Vegetable Gardens
- Maintaining: Driveways, Walking Paths, Fire Breaks
- Cleaning up: Storm Debris, Dumpsites, Demolition

PRODUCT INSTALLATION

*Before installing the Ratchet Rake, follow [product set-up](#) instructions on the reverse side



1. Place a 4" block under the front of the Ratchet Rake. Use the shackles to attach the steel cables to the holes in the lower connection brackets.

2. Machine is slowly pulled forward until bucket edge fully engages the Ratchet Rakes upper connection brackets. Bucket is then slightly tilted upward.

3. Connect the other ends of the steel cables to the wire hooks. The straps are routed around the bucket in a straight direct line toward the upper connection brackets.

4. The forged hooks are attached to the upper connection brackets. The ratchet mechanisms are tightened with 50 to 75 lbs. of force applied to the handle.

5. The safety locks located on the ratchet mechanisms are pulled away from the ratcheting gears. This allows the handles to be pressed inward and locked down.

PRODUCT SET-UP

*Follow product set-up procedures before installing the Ratchet Rake



BUCKET DEPTH - Short and long connection cables are included which can be used independently on buckets with shallower depths or rigged together to fit deeper models.

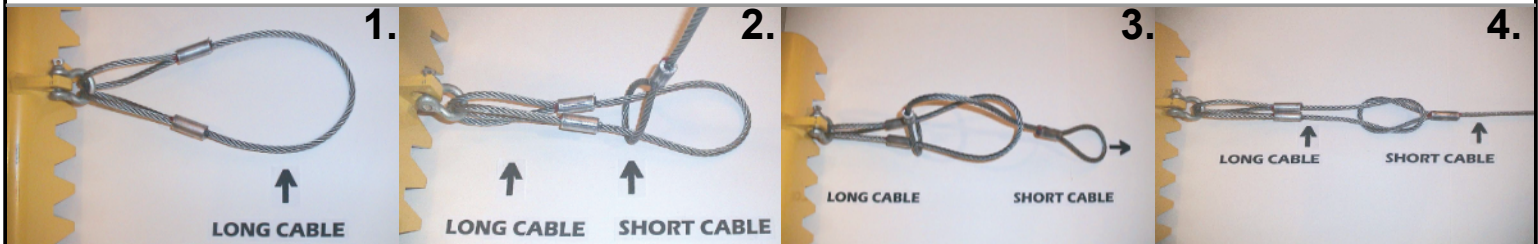
BUCKET DEPTH: Up to 24" - Use short cables only

BUCKET DEPTH: 24" to 28" - Use long cables only

BUCKET DEPTH: 28" to 32" - Short and long cables are rigged together as described below:

1. Long cable is folded in half with both ends attached to the rakes lower connection brackets using a shackle.
2. One end of the short cable is slid over the fold over the long cable.
3. The other end of the shorter cable is routed thru the fold of the long cable and pulled until taunt.
4. The resulting "square knot" will cinch up tight when tension is applied by the ratcheting mechanism.

PICTURES BELOW ILLUSTRATE THE STEPS FOR RIGGING CABLES ON BUCKET DEPTHS OF 28"-32"



BUCKET DEPTH 32"-38" *Follow same steps listed for bucket depths of 28"-32" **except** the long and short cable positions are flip-flopped which will result in a longer cable set.

CUTTING EDGE THICKNESS

The Ratchet Rake accepts cutting edges up to 7/8" thick. It can be easily modified to fit over add-on cutting edges up to 1 3/8" thick by trimming the connection brackets with a hacksaw or a reciprocating saw. Add 1/8" to cutting edge measurement for easier installation.



PROTECTIVE SLEEVE

Included are protective sleeves which slide over and protect the straps from sharp edges commonly found on the top edges of older loader buckets.



OPERATING THE RATCHET RAKE

FORWARD OPERATION-The bottom surface of the loader bucket should be orientated parallel with the ground. The operator lowers the bucket to achieve the desired amount of penetration into soil or vegetation.

BACKWARD OPERATION-The bottom surface of the loader bucket should be orientated at a 30 degree to 50 degree angle to the ground which allows both sets of teeth to be utilized simultaneously. The operator lowers the bucket to achieve the desired amount of penetration. This is the most effective bucket position when pulling out rocks or debris from the ground

IN THICK BRUSH-Limiting passes to 20'-30' is recommended. Lift and shake out rake after operating forward. Then proceed backward on the same track with the bucket tilted to aid in gathering up the loosened brush or vegetation

SMALLER MACHINES-May be more effective taking passes of only one half bucket width in thick brush.

NEW LAWNS-To achieve a seedbed with a smooth and powderlike consistency, the top 2"-3" of soil should be dried out.

WEBSITE VIDEO-We recommend watching the video demonstration at www.ratchetrake.com before using our product.

Safety Precautions

Failure to follow safety precautions could lead to serious injury, or death as well as damage to equipment.

1. Persons should never walk underneath or in the path of or ride inside a loader bucket with the Ratchet Rake attached.
2. Cut, frayed or abraded ratchet straps should be replaced with Ratchet Rake LLC approved products.
3. Straps and cables must be routed around the loader bucket in a straight direct line.
4. Attachment straps and cables included with the Ratchet Rake are only intended for use with the Ratchet Rake and should not be used for lifting or securing other loads.
5. During installation, persons should never place any body part directly under the loader bucket or Ratchet Rake.
6. Protective sleeves should always be used to protect straps on the top side of buckets with sharp edges.
7. The Ratchet Rake should only be installed on loader buckets in good structural condition.
8. A 2 mph speed limit should be observed in soil that could contain large imbedded rocks or hidden obstructions when using the Ratchet Rake.
9. Avoid using the Ratchet Rake on steep hillsides where machine could overturn.
10. Follow all of your tractor or skid loader manufacturers' safety warnings.

One Year Limited Warranty

Ratchet Rake LLC warrants our products to be free from defects in materials and workmanship for the period of one year.

Ratchet Rake LLC will either repair or replace (at our discretion) any damaged or defective rakes or mounting components for the period of one year from the date of purchase.

Send damaged or defective parts along with a copy of the original store receipt to:

Ratchet Rake LLC
405 N. East Street
Carlisle, PA 17013

Warranty Limitations: Upon purchase the buyer assumes all liability for personal injury and property damage resulting from the handling, possession or use of the Ratchet Rake by buyer.

Contact us: 888 850-6070 or ratchetrake@comcast.net