The Pull Behind Ratchet Rake

Multiple angle settings - Dual tine lengths
Main components are constructed from heavy duty 3/8” steel plate connected with 5/8” carriage bolts

Available in 48 and 56 inch sizes

US Patent 7287344

Grade Driveways
Maintain Horse Arenas
Prepare Food Plots

Unpacking & Assembly

Tongue Tube

Remove tongue tube connection bolts with a 15/16”, or 24mm, or adjustable wrench.

Reposition and secure the tongue tube on to the curved plate.

Remove 4 bolts from shipping base.

Shipping Bolts

Wood Shipping Base

Hitching - Up

Clevis Pin
Washer

Included

The device is intended for use with lawn tractors & ATVs that have a drop pin receptacle no higher than 1 foot.

A standard ball mount (without the ball) can be used on machines that have a hitch receptacle.

The tongue tube is connected to the machine’s receptacle using the clevis pin. The washer is positioned under the tongue to reduce wear on the surface below.

See video at: ratchetrake.com
Driveway Grading

**Typical Twin Channeled Driveway**
During normal vehicle traffic, a substantial amount of gravel will migrate toward the edges. Rain water creates puddles in the tire tracks and softens the driveway's base and soil below. Vehicles continually roll over the softened areas creating 2 distinct channels. During winter, the snow plow will be unable to remove all of the snow in these tire channels. The fallen precipitation will undergo freeze and thaw cycles which eventually create potholes. Tow behind box style graders are commonly used to flatten the road surface but are not capable of creating a profile that will shed rain water.

**Crowned Driveway**
Nearly all professionally engineered gravel roads are constructed with a slightly arched surface that directs rain water toward the edges. Our Pull Behind Ratchet Rake is capable of loosening compacted driveways and shifting a portion of the grading material inward to create a crown. Many driveways currently contain enough gravel to build up a slightly arched profile but some may require additional material. On longer driveways, we recommend a combination of small, medium, and larger sized (up to 1 1/4” in diameter) crushed stone because the mixture stands up better to faster moving traffic.

**Angle Adjustments**
The Pull Behind Ratchet Rake is capable of angle grading crushed stone up to 1 1/4” in diameter. When the tongue tube is angled at 22 degrees, gravel is channeled through the rake and dispersed on the trailing side. Each individual tapered tine scrapes the driveways surface and causes a drag effect which enables the device to remain centered behind the tow vehicle. Loose gravel can be blended in to form the crowned profile with the rake set at 0 degrees.

The 48” Pull Behind Ratchet Rake weighs about 100 pounds. Additional weight (up to 120 pounds) can be added to aid in penetrating highly compacted surfaces. We recommend using sand bags because they absorb bumps over uneven surfaces.

We recommend using the Pull Behind set up with the longer tines projecting downward for grading horse arenas or scarifying ground in preparation for food plots. A 15/16”, or 24mm, or large adjustable wrench is required.

*Warning: Avoid serious injury! Persons should never ride on or stand in the path of this implement when in use!*

Ratchet Rake LLC  888-850-6070  ratchetrake@comcast.net  25 Westminster Drive Carlisle PA 17013

"A remote control lift kit is available for the 48” & 56” Pull Behind"

The Pull Behind Ratchet Rake is fully covered by a:  
1 Year Warranty & 30 Day Satisfaction Guarantee