



# TREE REMOVAL

GRIPHOIST®/TIRFOR® APPLICATIONS AND PRODUCT GUIDE







# POWER, PRECISION, PORTABILITY



## Power, Precision, Portability

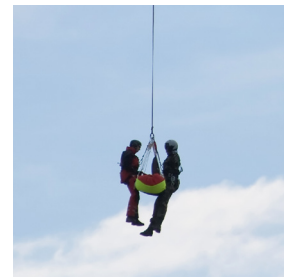
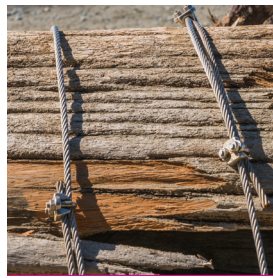
Tree workers, landscapers, arborists, and anyone who performs tree removal and related tasks understand the importance of having the right tools for the job. From municipal crews to individual contractors, the portable power and versatile utility of hand-operated hoists makes many tasks quicker, easier, and safer. Manual hoists can be easily carried and set up on any worksite and exert tons of pull across any distance or height, depending on the length of wire rope used with the nearly effortless pull of a lever, without the need for electrical or gas power.



## Important Hoist Applications

### Common tree work uses include:

- Pulling down tree trunks with precise control of the fall angle.
- Lifting fallen trees and branches from roofs, vehicles, and other delicate positions
- Pulling off limbs during trimming or in preparation for trunk pull-down
- Clearing branches damaged by weather or disease
- Removing stumps and roots
- Dragging fallen trees and branches into position for sawing or hauling



## What to Look for in a Tree Removal Hoist

### To be effective for tree work, hoists need to be:

- Lightweight and portable so that the hoist can get into position anywhere on a worksite, in the woods, or up a tree.
- Powerful and versatile so that the hoist can lift and pull any amount of weight needed – vertically, horizontally, or diagonally over any distance or height.
- Easy to set up and operate so that a single crew member can get started and complete the task quickly and simply.
- Hand-powered to be used where electricity or gas fueled power is unavailable, or when conditions like rainfall or drought/fire warnings might make it unsafe to use.
- Durable and long-lived to perform under the harshest conditions and to be easily maintained and repaired.





# T500 SERIES

The entry level models of the griphoist® line, the hoists of the 500 series are compact, highly reliable industrial grade equipment that tree workers rely on every day.

## FEATURES

These wire rope hoists feature easy, quick, reversible operation using an adjustable, telescoping lever, and all models include overload shear pins to prevent damage in case the maximum capacity is exceeded. The griphoist®/tirfor® T500 series includes models with a range of nominal weight capacities for light or heavy tree removal tasks. The T500 Series can use any length of maxiflex® wire rope (diameter of rope varies by model, see below).

## BENEFITS

Easy to deploy, assemble, and operate the lightweight, durable griphoist®/tirfor® T500 series hoists can be positioned in any anchoring place and provide continuous pull without the need to change anchor points. The griphoist®/tirfor® T500 series is also economical and built to require less maintenance while providing maximum equipment longevity.

### griphoist® T500 Series Models

	Nominal Capacity	Unit Weight	Wire Rope Dia.	Wire Rope Weight	Wire Rope Lengths Available
<b>T508D</b>	2,000 lbs.	14.25 lbs	5/16 in.	8 lbs./30 ft.	30 ft., 60 ft., 100 ft., 150 ft., 200 ft., 250 ft.
<b>T516D</b>	4,000 lbs.	30 lbs	7/16 in.	28.9 lbs./60 ft.	30 ft., 60 ft., 80 ft., 100 ft., 150 ft., 200 ft.
<b>T532D</b>	8,000 lbs.	51 lbs	5/8 in.	8 lbs./30 ft.	30 ft., 40 ft., 50 ft., 60 ft., 100 ft., 150 ft., 200 ft.





# GRIPHOIST® TU SERIES

The griphoist®/tirfor® TU series hoist is an evolution of the still-popular T500 series. It uses a specially engineered combination of shapes for the two jaws in its mechanism to create the “U” configuration that gives the series its name.

## FEATURES

The griphoist®/tirfor® TU series of wire rope hoists use a “U” jaw shape to provide superior grip pressure, increased mechanical yield, and improved hoist strength for tough tree removal applications. The powerful TU series hoists have a nominal weight capacity range of 2,000 to 8,000 lbs., depending on the model, and they use shear pins to prevent damage in case of overload. All models in the series feature easy, quick, reversible operation using an adjustable, telescoping lever. Griphoist® TU series hoists can lift or pull at any height using any length of maxiflex wire rope (diameter of rope varies by model, see below).

## BENEFITS

The improved jaw shape of models in the TU series extends rope and hoist lifespan and simplifies disassembly and maintenance. The series also offers all the other benefits that make griphoist®/tirfor® the proven choice of the tree professionals: portability, easy positioning, and steady, continuous pull without the need to change anchor points.

## TU Series Models

	Nominal Capacity	Unit Weight	Wire Rope Dia.	Wire Rope Weight	Wire Rope Lengths Available
<b>TU17</b>	2,000 lbs. for material handling, 1,500 lbs. for man-riding	18.7 lbs.	5/16 in.	8 lbs./30 ft.	30 ft., 60 ft., 100 ft., 150 ft., 200 ft.
<b>TU28</b>	4,000 lbs. for material handling, 3,000 lbs. for man-riding	41 lbs.	7/16 in.	28.9 lbs./60 ft.	30 ft., 60 ft., 100 ft., 140 ft., 150 ft., 200 ft.
<b>TU32</b>	8,000 lbs. for material handling, 6,000 lbs. for man-riding	64 lbs.	5/8 in.	8 lbs./30 ft.	30 ft., 50 ft., 60 ft., 100 ft., 150 ft., 200 ft.





# GRIPHOIST® KITS

Designed to provide portability, quick setup, and reliable performance to tree care and removal teams, each of these kits includes a durable steel carrying case with a griphoist®/tirfor® TU series wire rope hoist. Also included are a selection of pulleys and slings needed for common applications in the tree removal process.

- Ideal for moving and positioning either horizontally or vertically.
- Useful for dragging, general lifting, tensioning, loading, unloading, of materials.

## Kits by Hoist Type

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TU17 kit (2,000 lbs./1 ton capacity)

TU28 kit (4,000 lbs./2 ton capacity)

TU32 kit (8,000 lbs./4 ton capacity)

## EACH KIT ALSO INCLUDES

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- Steel box
- 60 ft. of galvanized wire rope with safety hook mounted on carrying reel
- Telescopic handle for manual operation of the hoist
- Appropriate snatch block pulley
- Wire rope sling, 6 ft. (1.8 m) long with choker hook
- Wire rope sling, 6 ft. (1.8 m) long
- Wire rope sling, 9 ft. (2.7 m) long



Griphoist® tirfor® rescue kit shown



## PROVEN PERFORMANCE, ROOTED IN RELIABILITY

Tree removal involves many tough tasks, and the only way to safely, effectively get the job done is to use the right equipment. Globally known as THE top tier choice, griphoist®/tirfor® hoists by Tractel® are lever-operated, durable, and reliable under the most demanding and extreme conditions. That's why griphoist®/tirfor® Wire Rope Hoists and kits are known, used, and trusted by tree work pros across the US and around the world.

### Tractel®

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griphoist®/tirfor® Wire Rope Hoists are just one example of the tree removal equipment engineered and produced by Tractel, a global leader in power and safety equipment.

Tractel supports their products by offering exceptional service and training. As part of a Tractel service contract or on an ad hoc basis, Tractel field service teams can provide in-situ inspection, maintenance, and troubleshooting in many major metro areas. Tractel training courses teach the proper usage and maintenance of griphoist®/tirfor® Wire Rope Hoists and other Tractel equipment, and may be conducted at a Tractel site or suitably equipped and approved customer premises.

To learn more about how Tractel products and services support the tree removal industry and to see what we can do for your business, visit [tractel.com](http://tractel.com) or contact a specialist today.

