



FIRE & RESCUE

GRIPHOIST® APPLICATIONS AND PRODUCT GUIDE





WHEN EVERYTHING IS ON THE LINE



In the most urgent emergency situations, having the right equipment makes all the difference. The tools that crews rely on are portable, powerful, and reliable, quick to set up and easy to operate under any conditions. The versatility, durability, and strength of hand-operated hoists make it possible to perform vital tasks anywhere on an emergency scene, without the need for electricity or additional equipment.



Vital Fire & Rescue Hoist Applications

Situation	Product
Moving a vehicle out of a hazardous position	TU32 griphoist® Rescue Kit (4,000 lbs. / 2 ton capacity)
Removing fallen trees, masonry, or other heavy debris	T532D griphoist® Wire Rope Hoist (8,000 lbs. / 4 ton capacity)
Creating access by pulling down walls or pulling apart roofing materials	Hydraulic TU32H griphoist® (7,040 lbs. / 3,200 kg - 28, 160 lbs. / 12,800 kg capacity)
Lifting or lowering crew or victims into and out of spaces	TU32 griphoist® Wire Rope Hoist (8,000 lbs. / 4 ton capacity)



What to Look for in a Fire/Rescue Hoist

To serve the needs of a fire & rescue crew, hoists need to be:

- Lightweight and portable so the hoist can be positioned anywhere on the scene.
- Powerful and versatile so it can lift, lower, or pull any required weight - 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 use them unassisted.
- Hand-powered to be used where electricity is unavailable, or where conditions like heat or water 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 have been used by fire & rescue professionals for decades.

FEATURES

The griphoist® T500 series includes models with a range of nominal weight capacities for any emergency and rescue use. 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 weight is exceeded. 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 under any conditions, lightweight, durable griphoist®T500 series hoists can be positioned in any anchoring place and provide continuous pull without the need to change anchor points. The griphoist 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	Assembly Lengths Available
T508D	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.
T516D	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.
T532D	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®TU series hoist uses a pair of specially engineered jaws in its mechanism that combine to create the “U” configuration that gives the series its name.

FEATURES

The griphoist®TU series of wire rope hoists use a “U” jaw shape to provide superior grip pressure, increased mechanical yield, and improved hoist strength for vital rescue applications. This innovative design was one of the first of its kind, and is often imitated by the competition – but never duplicated. 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 superior strength and durability of the griphoist®TU series earn it approval by UL and qualify it to be used as man-riding equipment. The series also offers all the other benefits that make griphoist® the choice of fire & rescue teams: Portability, easy positioning, and steady, continuous pull without the need to change anchor points. The improved jaw shape also extends rope and hoist lifespan while simplifying disassembly and maintenance.

TU Series Models

	Nominal Capacity	Unit Weight	Wire Rope Dia.	Wire Rope Weight	Assembly Lengths Available
TU17	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.
TU28	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.
TU32	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® FIRE & RESCUE KITS

Designed to provide portability, quick setup, and reliable life-saving performance to fire & rescue teams, each of these kits includes a durable steel carrying case with a griphoist TU series wire rope hoist. Also included are a selection of pulleys and slings needed for common applications such as victim retrieval, vehicle hoisting, wall teardown, and more.

Rescue Kits by Hoist Type

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

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

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

EACH KIT ALSO INCLUDES

- 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

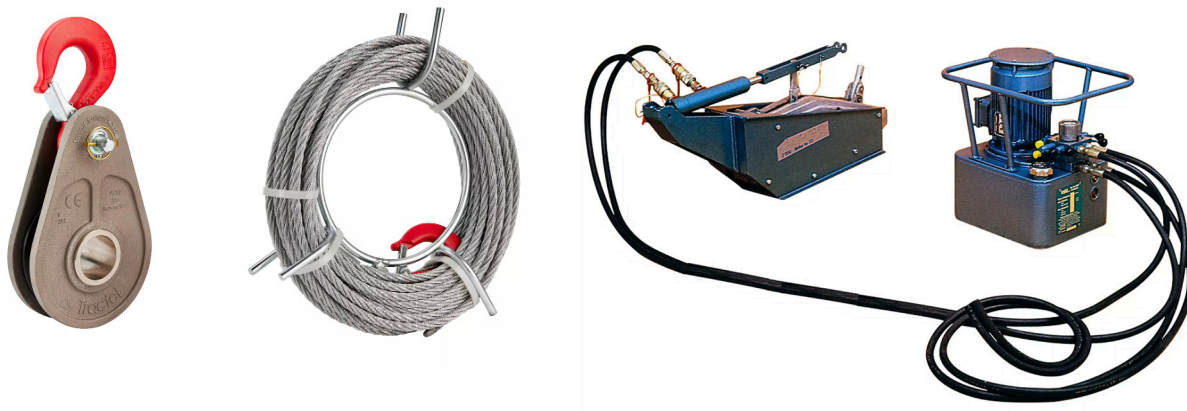




HYDRAULIC GRIPHOIST® WIRE ROPE HOISTS

These motorized hoist and winch combinations add increased power and speed while maintaining the portability and versatility that make the TU series of griphoist® wire rope hoists so useful to fire & rescue crews. They operate using a hydraulic cylinder powered by either an electrical power pack or a gas-motor power pack (not included), and one, two, or four hoists can operate from a single power pack.

In addition to allowing for increased speed and power, choosing hydraulic operation of griphoist wire rope hoists lets fire & rescue workers avoid operator fatigue, and also to use precise, sustained lifting/lowering rates.



Hydraulic griphoist® Models

hydraulic griphoist®	Nominal Capacity Material Handling	Maximum Speed Forward/Lifting	Maximum Speed Reverse/Lowering
TU28H (3,520 lbs - 14,080 lbs capacity)	(A) 3,520 lbs (B) 7,040 lbs (C) 14,080 lbs	6.5 ft. per min*	8.7 ft. per min
TU32H (7,040 lbs - 28,160 lbs capacity)	(A) 7,040 lbs (B) 14,080 lbs (C) 28,160 lbs	3.25 ft. per min*	5.9 ft. per min

*Speed for one hoist only



QUALITY, RELIABILITY, AND PERFORMANCE WHEN IT MATTERS MOST

Lives are literally on the line when fire & rescue teams go to work, and the heroic pros in these jobs need equipment they can count on. Globally known as THE top tier choice, griphoist hoists by Tractel® are lever-operated, durable, and reliable under the most demanding and extreme conditions. That's why griphoist® Wire Rope Hoists and kits are known, used, and trusted by fire, rescue, and emergency teams across the US and around the world.

Tractel®

griphoist® Wire Rope Hoists are just one example of the fire & rescue 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® 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 fire & rescue industry and to see what we can do for your department or agency, visit tractel.com or contact a specialist today.

