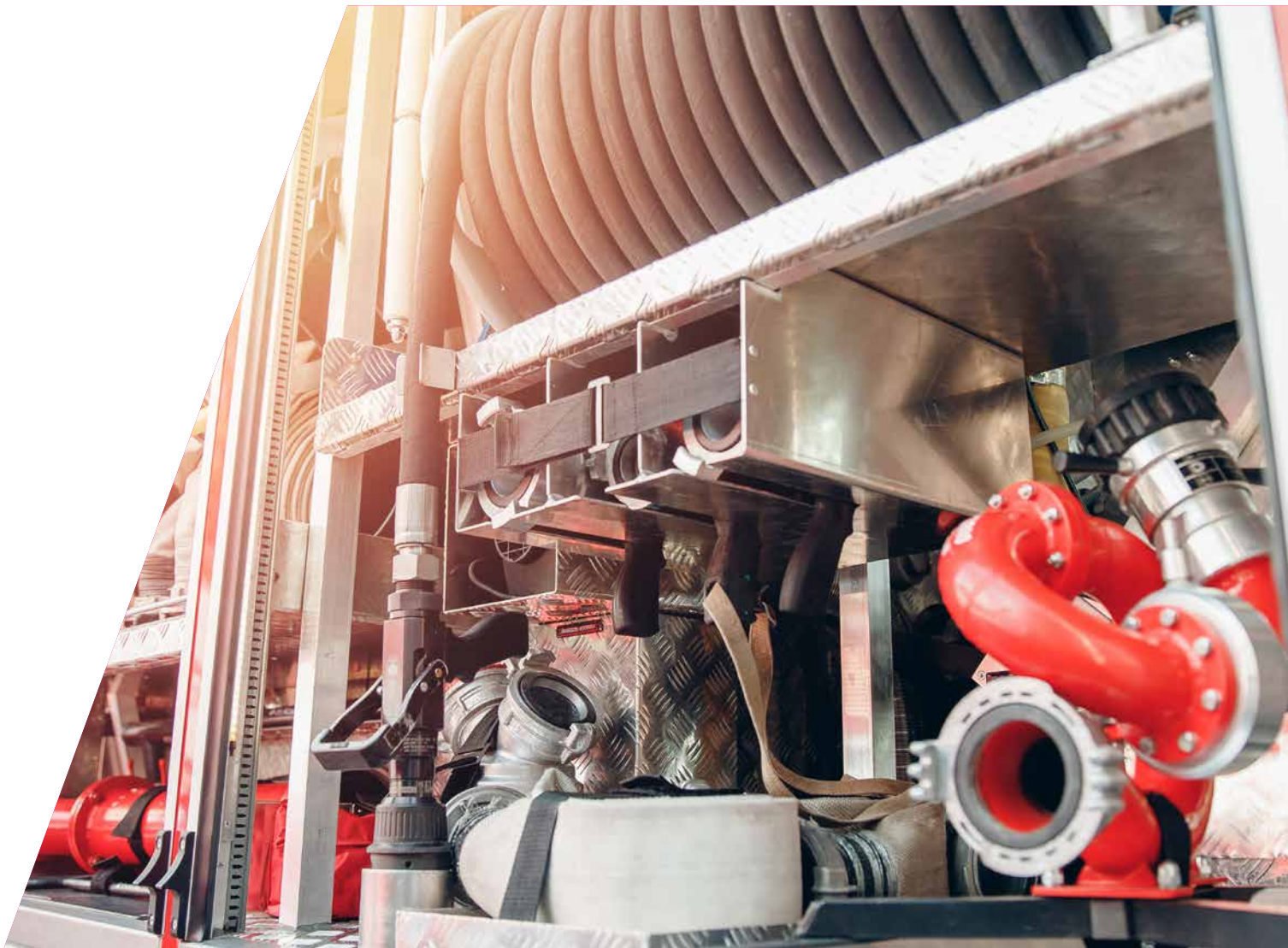




Firefighting Solutions

Tractel® Safety Applications
and Product Guide

the best support for our bravest first responders



In the most urgent emergency situations, having the right equipment makes all the difference. The tools that fire brigades and departments around the world count on are portable, durable, and reliable, quick to set up and easy to operate under any conditions. Hand-operated hoists, portable anchor points, lifelines, and specialized fall arrest/travel restraint systems make it possible for firefighters to perform vital tasks anywhere on an emergency scene, without the need for external power sources or complicated setup procedures.

Vital Firefighting Applications and Equipment

The needs of fire brigades and departments can vary widely depending on the size and location of the communities they protect, the types of fire emergencies they respond to, and the specialized crews that are deployed. But the need to intervene safely and quickly is constant, and lives always depend on having the right equipment and applying it properly.

Situation	Tractel Solutions
Creating vents or access by pulling apart structures	griphoist®/tirfor® T500 Series
Lifting and lowering people in and out of danger	griphoist®/tirfor® TU Series, Rescue Kits
Moving disabled vehicles out of dangerous or obstructing positions	bravo® lever hoist griphoist®/tirfor® TU Series
Establishing anchor point over a hatchway or hole	Tripod
Creating anchorage at edge of structure	davitrac™ with portable anchor base
Anchoring temporary lifelines for multiple people	davimast™ with two 360° anchor points
Controlling travel rate up and down a safety line	Stopfor

hoists for firefighting

Firefighters are often very strong people, both mentally and physically. Even so, the work they do can require more than mere muscle power. For lifting and handling heavy equipment and supplies in their fire stations and garages to performing on-scene demolition and rescue work, portable hoists are indispensable tools for fire brigades and departments to have, use, and maintain.

what to look for in a hoist

To serve the needs of a firefighting 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 loads however the job requires: 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 extreme 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.

If you have any questions about which hoists are right for your fire brigade or department, consult the experts in lifting and handling equipment at Tractel.

griphoist®/tirfor®

The hoist that defines the manual, lever-operated wire rope hoist category is branded “griphoist” in North America and “tirfor” in other global markets.

griphoist®/tirfor® T500 series

The entry level models of the griphoist/tirfor line, the hoists of the t500 series are compact, highly reliable industrial-grade equipment that have been used by fire & rescue professionals for decades.

FEATURES

The griphoist/tirfor 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.

BENEFITS

Easy to deploy, assemble, and operate under any conditions, 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 T500 series is also economical and built to require less maintenance while providing maximum equipment longevity.



griphoist®/tirfor® TU series

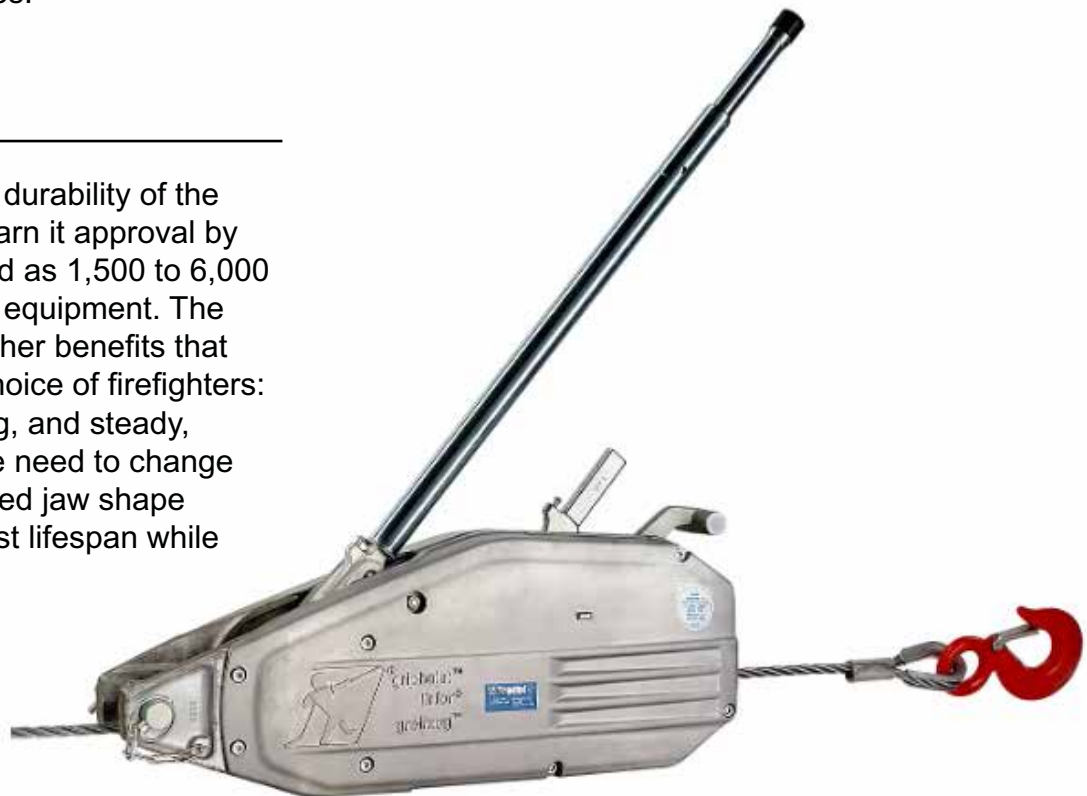
The griphoist/tirfor TU series hoist uses a pair of specially engineered jaws in its mechanism that combine to create the “U” configuration that gives the series its name.

FEATURES

The griphoist/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 vital firefighting rescue applications. This innovative design was one of the first of its kind: 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./900 to 3600 kg. All models in the series feature easy, quick, reversible operation using an adjustable, telescoping lever. griphoist/tirfor TU series hoists can lift or pull using any length of maxiflex wire rope, making them useful over great heights and distances.

BENEFITS

The superior strength and durability of the griphoist/tirfor TU series earn it approval by UL and qualify it to be used as 1,500 to 6,000 lbs capacity for man rated equipment. The series also offers all the other benefits that make griphoist/tirfor the choice of firefighters: 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.



bravo[®] lever hoist

bravo lever hoists from Tractel[®] are among the lightest, most portable chain hoist options available. With a range of capacities from 1,100 lbs./0.5 t to 19,800 lbs./9 t, bravo can handle the most demanding loads under extreme conditions.

FEATURES

A bravo's design includes exclusive desynchronized pawls which prevent any unintentional release of the load. The hoist line also includes permanent load control, automatic load brake closure, and optional load limiters.

BENEFITS

The bravo hoist ensures maximum safety during heavy lifting, thanks to their desynchronized dual pawl design. The longevity, resistance to harsh conditions, and ease of maintenance are increased by its galvanized fittings and epoxy paint, and its rubber handle makes it easy to maintain a firm grip.



griphoist[®]/tirfor[®] fire & rescue kits

Designed to provide portability, quick setup, and reliable life-saving performance to firefighting 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 such as victim retrieval, vehicle hoisting, wall teardown, and more.

Rescue Kits by Hoist Type

TU17 rescue kit (1,500 lb./680 kg capacity)

TU28 rescue kit (3,000 lb./1,360 kg capacity)

TU32 rescue kit (6,000 lb./2,720 kg capacity)



EACH KIT ALSO INCLUDES

- Steel box
- 60 ft. (18 m) 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

safety lines & anchorage

Stairs and ladders can help firefighters reach many spaces on the scene of an emergency, but for descent and rescue, safety lines must sometimes be employed. Controlling rates of movement along safety lines is essential to preventing injuries. Sturdy anchoring points, whether for lines or hoists, are also needed. Available structures may not offer adequate support, so firefighters often must set up temporary anchorage, such as tripods, booms, or mast-style anchors.



stopfor B rope grab with park feature

Firefighters can easily and safely control descent rates and halt falls for themselves and for rescuees using the lightweight, strong stopfor. This innovative fall arrest and travel control solution solves many failings and potential dangers of older devices.

FEATURES

The galvanized steel stopfor b is a breakthrough in sliding fall arrester technology. It features a unique mechanism that allows it to be easily opened and repositioned anywhere on its safety line, as well as an anti-reversible mechanism with a park function

BENEFITS

The stopfor is easy to assemble, and impossible to improperly assemble in an inverted position, unlike other fall arresters. This eliminates the risk of mechanical blocking common to other jaw-locking mechanisms. Operation and maintenance are also simplified.

portable anchorage

For fall protection, material handling, and rescue operations, firefighting work often requires one or more strong anchor points, each capable of supporting multiple crew members and their gear. This is particularly important when firefighters need to enter confined spaces or remove victims from them. Access to each confined space may vary greatly, so selecting the right anchoring equipment is vital.

davitrac™

The davitrac™ is a complete solution for safe vertical rope access in a confined space situation. Lightweight, easy to use, and versatile, it can be set up in minutes with no tools and equipped with accessories to serve a wide range of functions.

FEATURES

- Portable anchoring base available
- Anchorage for up to two users and their gear, up to 330 lbs./150 kg each
- Can serve as an anchor point for manual or motorized wire rope hoist
- Material lifting maximum capacity 1,100 lbs./500 kg, depending on the lifting tools used

BENEFITS

- Easy to handle, transport, and set up
- Compatibility with the Tractel® product range allows a large number of possible configurations, including attachment of additional wire rope or chain hoists, descent control systems, and other accessories



davimast™ with two 360° anchor points for horizontal lifeline

For work in some difficult spaces, firefighters and the people they rescue must sometimes be supported by a horizontal lifeline system. A pair of davimast mast-style anchors can be equipped with double 360° rotating PPE anchor brackets to create lifeline support for multiple people.

FEATURES

- Adjustable from 3 to 60 ft./1 to 18 m
- Maximum capacity of 2 operators of 310 lbs./140 kg each
- Can be used with temporary lifeline tempo 3 with 3 users of 310 lbs./140 kg

BENEFITS

- Lightweight, easy storage, transport and set-up with no tools required
- Compatible with davitrac adapters for versatile placement



tripod

To establish strong anchorage over an opening into a roof, manhole, or other vertical confined space, a tripod can be an excellent equipment choice. Tracpode is a powerful tripod designed for use as a temporary anchor point.

FEATURES

- Fall arrest capacity of 310lbs (140kg)
- Only one user for fall protection
- Material lifting capability of 550lbs (250kg)
- Can be positioned over openings up to 6 ft./1.85 m wide

BENEFITS

- Folds to fit in small vehicles
- Lightweight for easy carrying
- Can attach multiple hoists and other equipment at once



Tractel®: quality, reliability, and performance when it matters most

Every time firefighters go to work can be a matter of life and death. The heroic individuals in these jobs need equipment they can count on. Globally known as the top tier choice for hoists and related firefighting gear, Tractel® engineers all their products to be durable and reliable under the most demanding and extreme conditions. Tractel hoists, rescue kits, and other equipment are used and trusted by fire brigades and departments across the US and around the world.

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 Tractel equipment, and these may be conducted at a Tractel site or suitably equipped and approved customer premises.

Choose the industry leader. Choose Tractel®

To learn more about how Tractel products and services support firefighters and to see what they can do for your department or brigade, visit tractel.com today.



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