



TIRFOR®/GRIPHOIST®

wire rope hoists

www.tractel.com

tirfor®/griphoist®

wire rope hoists

- **Unlimited length of operation**
- **Gives access to sites with very difficult conditions**
- **Offers varied operating positions: vertical, horizontal, angled and indirect**

The tirfor®/griphoist® lifting and pulling hoists are safe, reliable and efficient. Suitable for many applications, the tirfor®/griphoist® is a lever-operated wire rope hoist using a separate wire rope. One-man operated, using a telescopic operating handle, they can work in any position and over any height of lift. They can replace conventional winches and other hoists for many applications. Best uses are when doing long pulls or when requirements call for increasing capacity.

MULTIPLE OPERATION

- Works in any position; horizontal, vertical or angled
- Unlimited length of wire rope
- Increase the nominal capacity with multiple sheave blocks
- Long length of wire rope much easier to handle than chain

SIMPLE

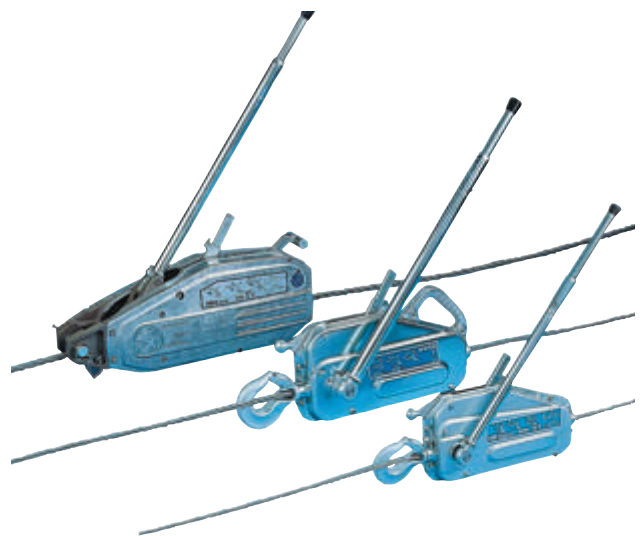
- Fast and easy installation and use
- Simple to install or remove the wire rope
- Continuous operation without jerking
- Reduced maintenance with simple cleaning and regular lubrication
- Change from forward to reverse operation by transferring the operating handle from one lever to another

HEAVY DUTY

- High mechanical advantage
- Both ranges will operate in the most difficult conditions

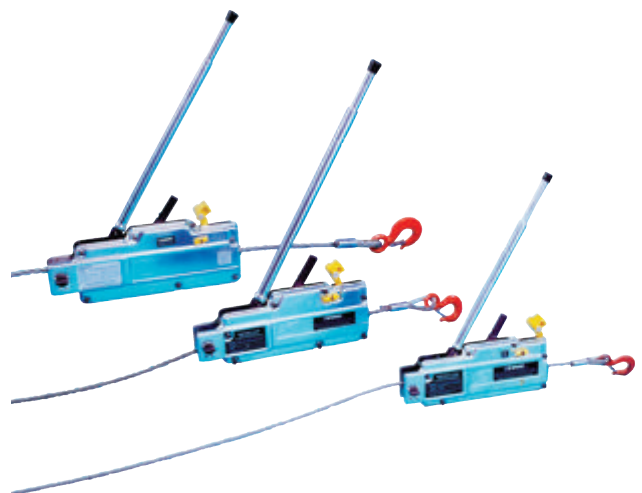
SAFE AND RELIABLE

- The load is always permanently controlled in the utmost precision: when operation stops, the load is distributed on two jaw blocks
- TU range “UL” classified for man-riding applications for use as a scaffold hoist
- Each hoist is equipped with overload shear pins



POWERFUL

tirfor®/griphoist® TU machines are in daily operations on construction sites around the world putting power where it is needed for lifting, pulling and handling a wide variety of loads.



CHOICE

Light and compact, the tirfor®/griphoist® T-500D machines are easy to handle, provided a high mechanical advantage and are economical.

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CONSTRUCTION, PUBLIC WORKS, CIVIL ENGINEERING

- Moving and positioning formwork horizontally or vertically
- Positioning section or precast concrete beams
- Lifting work platforms or suspended working platforms
- Dragging, general lifting, guying, tensioning, etc.

BRIDGES

- Positioning formwork
- Guy-wire tensioning
- Pulling pre-cast concrete beams
- Suspending inspection and maintenance platforms

STEEL STRUCTURES

- Plumbing or aligning steel structures
- Erecting steel silos / structures

INDUSTRY

- Installation and removal of machine tools and presses
- Loading and unloading of heavy equipment
- Lifting and pulling during maintenance operations

ESCALATORS, ELEVATORS

- Loading, unloading and rigging of escalators
- Lifting and positioning cars and hoisting mechanisms

ELECTRICITY AND TELECOMMUNICATIONS

- Positioning transformers
- Erection of mobile aerials and antennas
- Tensioning underground and overhead cables
- Guy rope tensioning operations
- Each hoist is equipped with overload shear pins

OIL AND CHEMICAL INDUSTRIES

- Controlled positioning and assembly of pipes and ducting
- Tensioning guy ropes for silos and tanks during construction
- Inspection and maintenance work

ENTERTAINMENT

- Raising and lowering tents
- Tensioning of guy ropes
- TU series are man-riding rated by UL

MODEL	TU17	TU28	TU32	T508D	T516D	T532D
Nominal capacity	2,000 lbs.	4,000 lbs.	8,000 lbs.	2,000 lbs.	4,000 lbs.	8,000 lbs.
Unit weight	18.5 lbs. (8.4 kg)	41 lbs. (18.6 kg)	59.5 lbs. (27 kg)	14.25 lbs. (6.6 kg)	30 lbs. (13.5 kg)	51 lbs. (24 kg)
Rope travel/ stroke lifting	2 in. (50 mm)	2.2 in. (56 mm)	1.2 in. (30 mm)	1.8 in. (46 mm)	1.7 in. (42 mm)	0.7 in. (18 mm)
Machine dimensions	20 $\frac{3}{4}$ x 9 $\frac{3}{4}$ x 4 $\frac{1}{2}$ in. (825 x 284 x 113 mm)	26 x 13 x 5 $\frac{3}{4}$ in. (660 x 360 x 145 mm)	27 x 13 x 6 $\frac{1}{8}$ in. (685 x 365 x 156 mm)	16 $\frac{1}{2}$ x 9 $\frac{7}{8}$ x 3 $\frac{3}{8}$ in. (420 x 250 x 99 mm)	20 $\frac{7}{8}$ x 12 $\frac{7}{16}$ x 5 in. (530 x 315 x 127 mm)	24 $\frac{7}{16}$ x 14 x 5 $\frac{1}{2}$ in. (631 x 357 x 148 mm)
Handle (closed-ext.)	18-28 in. (450-730 mm)	26-45 in. (648-1,147 mm)	26-45 in. (648-1,147 mm)	16-27 in. (405-690 mm)	26-45 in. (648-1,147 mm)	26-45 in. (648-1,147 mm)
Wire rope dia.	$\frac{5}{16}$ in. (8.4 mm)	$\frac{7}{16}$ in. (11.5 mm)	$\frac{5}{8}$ in. (16.3 mm)	$\frac{5}{16}$ in. (8.4 mm)	$\frac{7}{16}$ in. (11.5 mm)	$\frac{5}{8}$ in. (16.3 mm)
Min. wire rope breaking strength	10,000 lbs. (4,500 kg)	20,000 lbs. (9,000 kg)	40,000 lbs. (18,000 kg)	10,000 lbs. (4,500 kg)	20,000 lbs. (9,000 kg)	40,000 lbs. (18,000 kg)
Wire rope weight	8 lbs./30 ft. (3.6 kg/9 m)	28.9 lbs./60 ft. (13 kg/18 m)	8 lbs./30 ft. (3.5 kg/9 m)	8 lbs./30 ft. (3.5 kg/9 m)	28.9 lbs./60 ft. (13 kg/18 m)	8 lbs./30 ft. (3.5 kg/9 m)

Capacities shown for material handling only—For man-riding capacities, contact customer service.

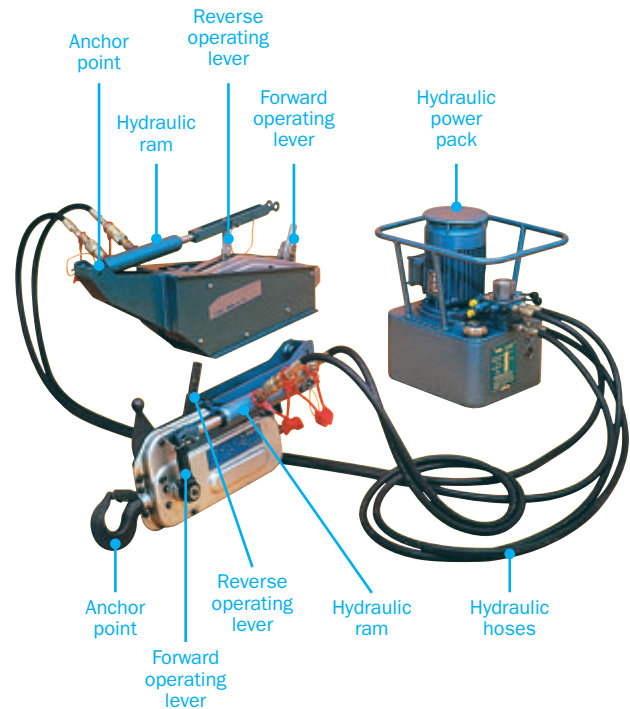
hydraulic tirfor®/griphoist®

wire rope hoists

The hydraulic tirfor® hoist with self-reciprocating rams are available in two models:

- TU28H with 3,520 lbs. (1,600 kg) material handling capacity
- TU32H with 7,040 lbs. (3,200 kg) material handling capacity

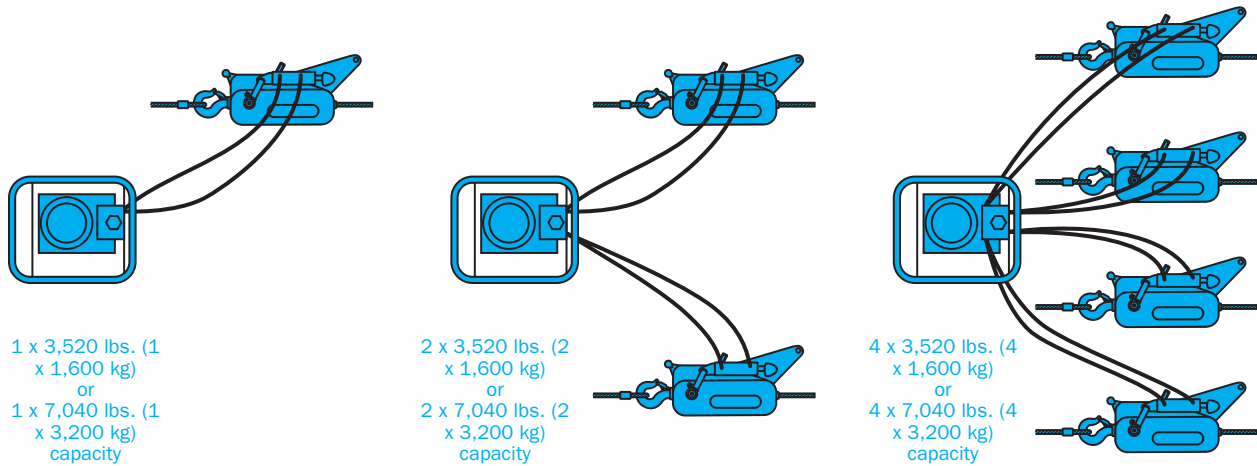
A hydraulic power pack can operate one, two or four hoists from a central location. The power packs are operated by either electric motors or gasoline engines. The speed of operation is controlled using a variable flow control valve.



MODEL	TU28H	TU32H
Nominal capacity material handling	3,520 lbs. (1,600 kg)	7,040 lbs. (3,200 kg)
Maximum speed forward/lifting*	6.5 fpm (2 m/min)	3.25 fpm (1 m/min)
Maximum speed reverse/lowering	8.7 fpm (2.7 m/min)	5.9 fpm (1.8 m/min)
Unit weight with ram	66 lbs. (30 kg)	123 lbs. (56 kg)
Hydraulic power pack with oil	95 lbs. (43 kg)	95 lbs. (43 kg)
Gasoline engine power pack	112 lbs. (50 kg)	112 lbs. (50 kg)
tirfor® wire rope**	7/16 in. (11.5 mm)	5/8 in. (16.3 mm)
Wire rope construction	5 x 26 XIPS galv.	5 x 31 XIPS galv.

*Speed for one hoist only

**Wire rope is sold separately



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