

TECHNICAL SHEET

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

It is possible for lifting and pulling applications to increase the capacity of the Griphoist/Tirfor by using multiple sheave blocks without the user being directly in front of load.

Light and compact, the Griphoist/Tirfor T500 series is easy to handle, provides a high mechanical advantage and is economical.

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

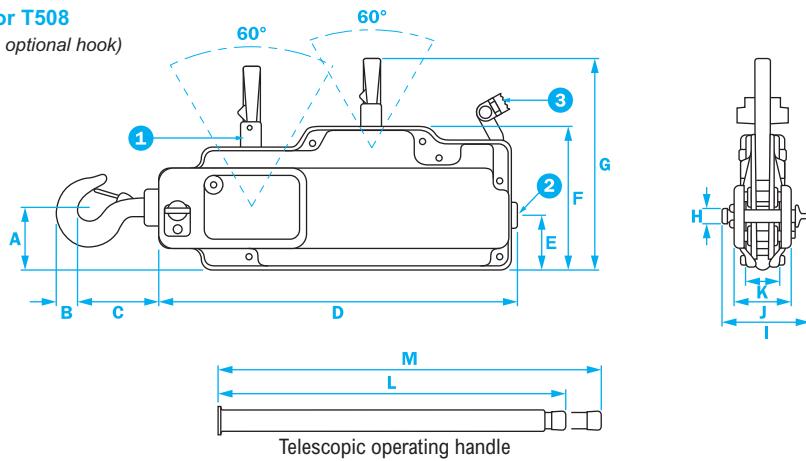
- The load is always permanently controlled in the utmost precision: when operation stops, the load is distributed on two jaw blocks
- TU range "UL" classified for man-riding applications for use as a scaffold hoist
- Each hoist is equipped with overload shear pins

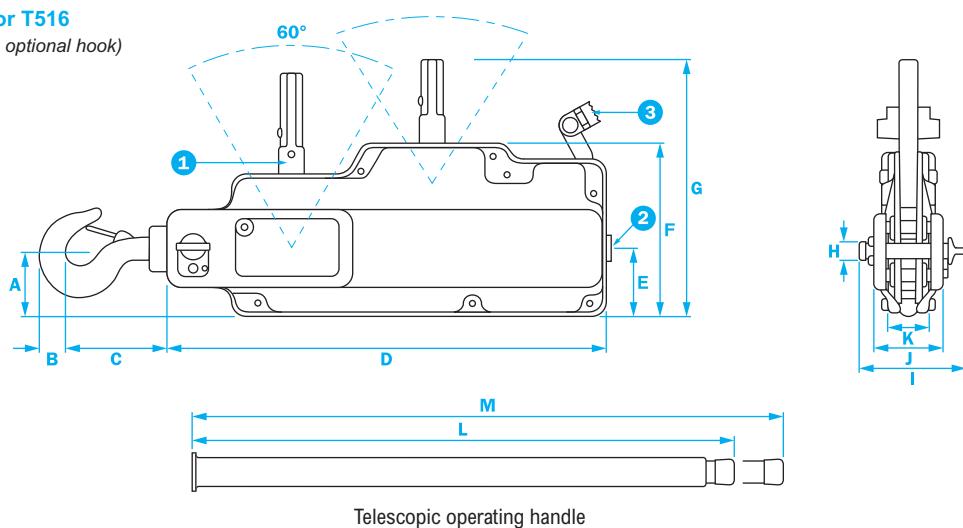
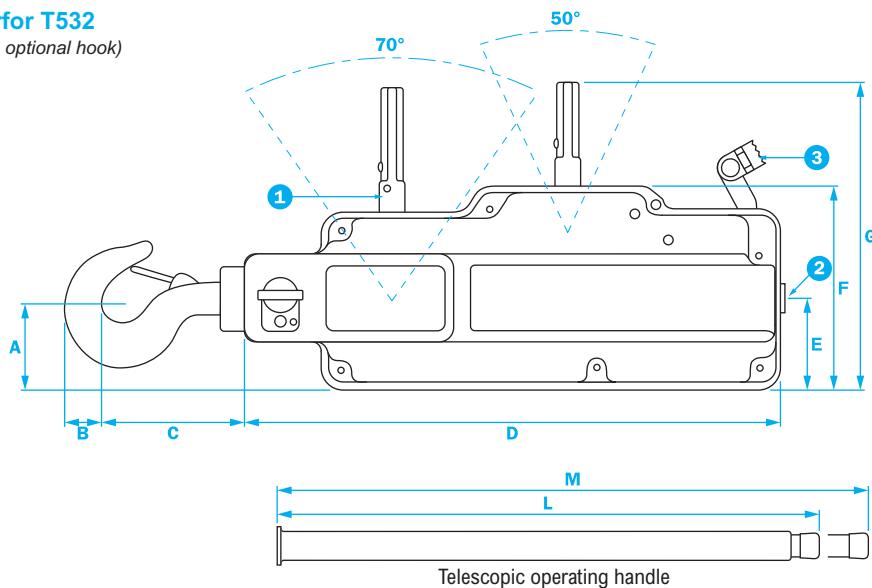
APPLICATIONS

- Construction
- Public works
- Civil engineering
- Bridges
- Steel structures
- Industry
- Escalators, elevators
- Electricity and telecommunications
- Oil and chemical industries
- Entertainment


 Griphoist/Tirfor
T516D

 Griphoist/Tirfor
T532D

TECHNICAL SHEET
Griphoist/Tirfor T508
(shown here with optional hook)

 1. Shear pin
 2. Rope entry
 3. Spare shear pins

Griphoist/Tirfor T516
(shown here with optional hook)

Griphoist/Tirfor T532
(shown here with optional hook)


TECHNICAL SHEET

MODEL	T508D	T516D	T532D
NOMINAL CAPACITY	2,000 lb.	4,000 lb.	8,000 lb.
WIRE ROPE DIAMETER	5/16 in. (8.4 mm)	7/16 in. (11.5 mm)	5/8 in. (16.3 mm)
EFFORT ON CONTROL LEVER	FORWARD	77 lb. (35 kg)	105.8 lb. (48 kg)
	REVERSE	27 lb. (12 kg)	7 lb. (18 kg)
ROPE TRAVEL PER STROKE	FORWARD	1 13/16 in. (46 mm)	9/16 in. (42 mm)
	REVERSE	2 1/2 in. (63 mm)	2 1/4 in. (57 mm)
MINIMUM WIRE ROPE BREAKING STRENGTH	10,000 lb. (4,500 kg)	20,000 lb. (9,000 kg)	40,000 lb. (18,000 kg)
SAFETY FACTOR	Minimum 4 to 1		
DIMENSIONS	A	2 9/16 in. (65 mm)	3 5/32 in. (80 mm)
	B	1 5/16 in. (23 mm)	1 1/16 in. (30 mm)
	C	4 in. (102 mm)	4 1/16 in. (125 mm)
	D	16 1/2 in. (420 mm)	20 7/16 in. (530 mm)
	E	2 1/2 in. (64 mm)	3 in. (77 mm)
	F	6 1/2 in. (165 mm)	7 1/8 in. (200 mm)
	G	9 7/16 in. (250 mm)	12 7/16 in. (315 mm)
	H	5/8 in. (16 mm)	1 13/16 in. (21.3 mm)
	I	3 7/8 in. (99 mm)	5 1/16 in. (129 mm)
	J	2 5/8 in. (60 mm)	3 5/16 in. (85 mm)
	K	1 1/8 in. (35 mm)	2 in. (50 mm)
	L	15 15/16 in. (405 mm)	25 1/2 in. (648 mm)
	M	27 7/16 in. (690 mm)	45 7/16 in. (1,147 mm)
WIRE ROPE WEIGHT	8 lb./30 ft. (3.5 kg/9 m)	28.9 lb./60 ft. (13 kg/18 m)	8 lb./30 ft. (3.5 kg/9 m)
UNIT WEIGHT	14.25 lb. (6.6 kg)	30 lb. (13.5 kg)	51 lb. (24 kg)

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