



PART OF ALIMAK GROUP



Minifor applications

www.tractel.com

Minifor

Portable electric rope hoist with unlimited rope length

The drive system consists of a traction sheave whose groove has a special profile and in which the rope is clamped by two pre-tensioned press rollers under the action of the load. A pre-tensioned spring acts on these rollers and maintains the grip of the rope on the pulley even when there is no load. In addition to the effect of the pre-tensioned spring, the clamping action of the rope on the drive roller is proportional to the load.

PROPERTIES

- Loads of 220 to 1,100 lb. (100 to 500 kg) possible
- Quick and simple to install
- With operation using a button panel or radio remote control unit
- Galvanized wire rope \varnothing ¼ in. (6.5 mm)

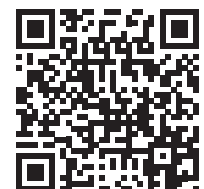
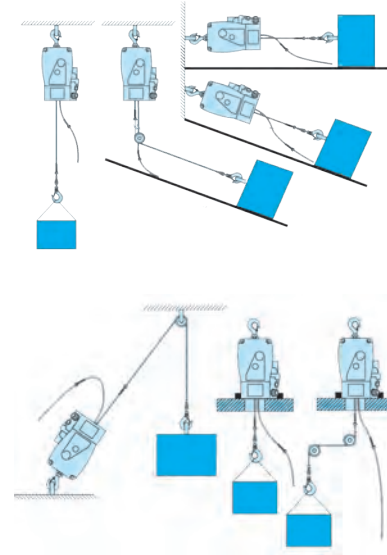
SAFETY

- Protection category IP 65
- Safety swivel hook
- Securing of rope exit by an integrated limit switch
- Overload protection through thermal switch (bimetal sensor)

ADVANTAGES

- Integrated handle
- Simple suspension from a hook
- Robust aluminium housing
- No loss of speed and load bearing capacity
- No limitation in rope length
- Compact and light
- Easy handling due to rapid limit switch assembly
- Powerful motor

TYPICAL APPLICATIONS



Application video

Minifor

Portable electric hoists with unlimited lifting height

FEATURES

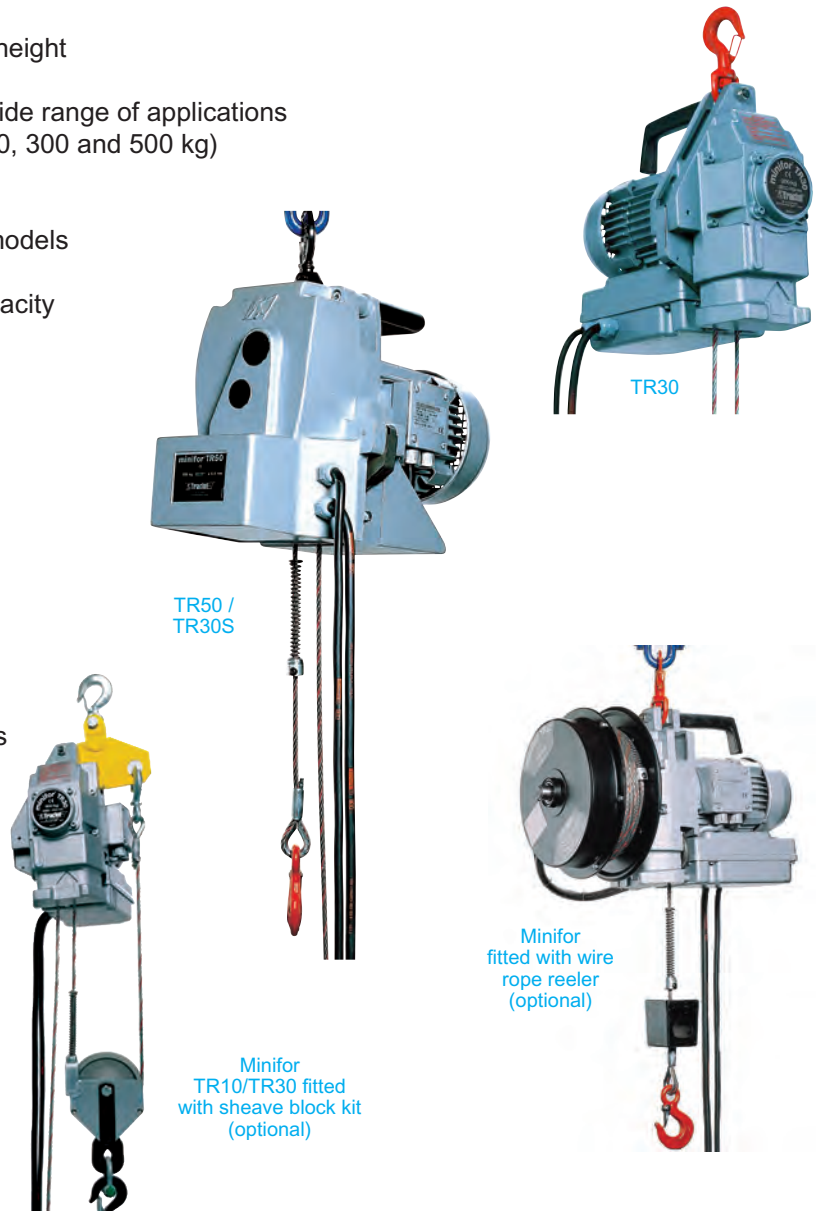
- Portable and powerful for unlimited lifting height
- Lightweight and easily transportable
- A complete range of electric hoists for a wide range of applications
- Rated loads of 220, 660 and 1,100 lb. (100, 300 and 500 kg) which can be doubled with a sheave kit
- Unlimited height of lift
- Optional rope reeler for TR10 and TR30 models
- 6½ ft. (2 m) pendant control
- Direct lift or sheaving kit for increased capacity
- Single phase or three phase power
- TR10 and TR30 come with steel box
- Meet CSA and UL requirements
- Optional wireless remote control available

QUALITY AND POWER

- High power to weight ratio
- Body in aluminium alloy
- Unlimited length of lifting wire rope
- Wire rope, diameter of ¼ in. (6.5 mm)
- 115 V standard, 220 V available

SAFETY

- Upper and lower adjustable end limit stops
- Motor integrated brake



MODEL	DIMENSIONS (L X W X D)	WORKING LOAD LIMIT		SPEED		PART # WITH POWER SUPPLY			RATED CURRENT	WEIGHT*
		DIRECT	SHEAVED	DIRECT	SHEAVED	SINGLE PHASE 115 V	SINGLE PHASE 220 V	THREE PHASE 220 V		
TR10	14 x 9 x 17 in. (35.6 x 22.9 x 43.2 cm)	220 lb. (100 kg)	440 lb. (200 kg)	50 fpm (15 m/min)	25 fpm (7.5 m/min)	260999	ON REQUEST	-	9.3 A	46 lb. (21 kg)
TR30	14 x 9 x 17 in. (35.6 x 22.9 x 43.2 cm)	660 lb. (300 kg)	1,320 lb. (600 kg)	17 fpm (5 m/min)	8.5 fpm (2.5 m/min)	261019	ON REQUEST	-	9.3 A	46 lb. (21 kg)
TR30S	19 x 9 x 17 in. (48.3 x 22.9 x 43.2 cm)	660 lb. (300 kg)	1,320 lb. (600 kg)	43 fpm (13 m/min)	21 fpm (6.5 m/min)	261029	261079	ON REQUEST	20 A	71 lb. (32 kg)
TR50	19 x 9 x 17 in. (48.3 x 22.9 x 43.2 cm)	1,100 lb. (500 kg)	2,200 lb. (1,000 kg)	23 fpm (7 m/min)	11.5 fpm (3.5 m/min)	261039	261059	ON REQUEST	10 A	71 lb. (32 kg)

*Without wire rope

Load bearing capacity doubled by reeving

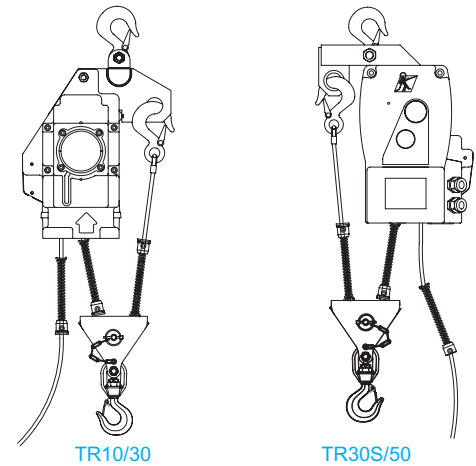
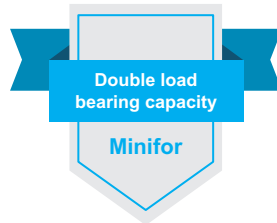
Minifor with optional deflection roller kit

ADVANTAGES

- Lift heavy loads to great heights
- Doubling of the load bearing capacity
- Infinite rope length
- Operation from the ground

APPLICATIONS

- In confined spaces
- Facade engineering
- Lift construction
- Wind power

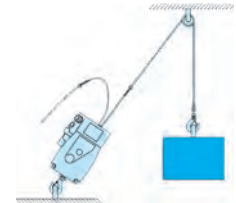


Anchor point difficult to reach?

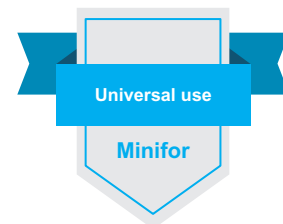
A sheave pulley solves the problem



Application with a wire rope
UR 3.3 ft. (1 m) deflection roller



PART #	DESCRIPTION	WEIGHT
217897	Sheave block pulley kit for Minifor TR10/TR30	11.4 lb. (5.2 kg)
217887	Sheave block pulley kit for Minifor TR30S/TR50	15.1 lb. (6.8 kg)
211977	Sheave pulley	8.8 lb. (4 kg)



Comfortable radio remote control unit

Minifor with optional radio remote control unit

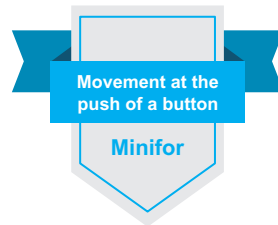


ADVANTAGES

- Clear and simple operation
- Radio remote control for approximately 230 ft. (70 m), frequency 433 MHz
- Extendable to 492 ft. (150 m) with external antenna
- Infinite rope length
- No cable connection necessary

APPLICATIONS

- Facade work
- Scaffolding construction
- Industrial assembly work



Up to 492 ft.
(150 m) range



PART #	DESCRIPTION	WEIGHT
104097K	Wireless remote (including mounting hardware)	

Electric hoist with synthetic rope

The synthetic Minifor TR125 SY has been specially developed for lifting loads during repair operations. With this product, loads can be lifted at high speed with a synthetic rope winch, without any risks to its operating environment.

FEATURES

- High speed to lift or lower loads
- $\frac{3}{8}$ in. (9.5 mm) Kernmantle synthetic rope is more flexible and safer for more fragile environments
- Rope will not oxydate
- Integrated brake



PART #	MODEL	DIMENSIONS (L X W X D)	WORKING LOAD LIMIT		SPEED		POWER SUPPLY	RATED CURRENT	WEIGHT*
			DIRECT	SHEAVED	DIRECT	SHEAVED			
261009	TR125 SY	14 x 9 x 17 in. (35.6 x 22.9 x 43.2 cm)	250 lb. (125 kg)	500 lb. (250 kg)	50 fpm (15 m/min)	25 fpm (7.5 m/min)	single phase 115 V	9.3 A	44 lb. (20 kg)
261109	TR125 SY	14 x 9 x 17 in. (35.6 x 22.9 x 43.2 cm)	250 lb. (125 kg)	500 lb. (250 kg)	50 fpm (15 m/min)	25 fpm (7.5 m/min)	single phase 115 V	9.3 A	46 lb. (20.9 kg)

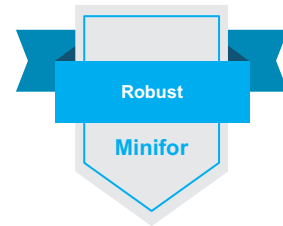
*Without synthetic rope

Horizontal applications



An anchor point in the ground, for example using a ground anchor, offers a good basis for such an application.

Whether upright or lying on its side, Minifor is immediately ready for use



Transporting loads into confined spaces



The Minifor is a good alternative to a manual rope winch which is often used in combination with a tripod.

Material of up to 500 lb. (225 kg) can be transported with the aid of a tripod and a Minifor.

TRIPOD

- Locking head assembly
- Smooth exterior finish
- Two (2) forged steel anchor eyes
- Leg security chain
- Slip resistant rubber pads on feet
- Design for uneven ground pins adjustment 2¾ in. (70 mm) increments. Secondary adjustments at 5½ in. (140 mm) intervals
- Optional leg mounting bracket for bi-directional lifeline device

For personal protection we recommend a Blocfor bi-directional retrieval lifeline with rescue lifting device suitable for use with the tripod.



Why choose Tractel

Enhanced safety and protection for your employees, whatever your application, industry or geographical location

- Leading provider of fall arrest systems and working-at-height equipment
- Active participant in all industry standardization bodies (North America, Europe)
- Competent contact person in field service, permanent contact person in office service

A comprehensive range of products and solutions, which combine performance, ergonomics, safety and comfort

- Approval of the high capacity range of PPE for capacities of 310 lb. (140 kg), protecting users up to 310 lb. (140 kg) (for people including outfit and tooling weighing up to 310 lb. [140 kg])
- Infinite lifetime of PPE products under certain conditions
- Full product solutions offering of lifting and handling products, load measurement and control equipment, height safety products and solutions, temporary access, permanent access and service
- Development of special products, adapted to customer-specific needs and applications possible

Global and local sales, service and after-sales support

- Subsidiaries in 19 countries
- Local Tractel service locations
- Comprehensive network of service partners

Excellence and integrity in engineering and manufacturing

- Centres of excellence in engineering in Canada, Finland, France, Germany, Luxembourg, Singapore, and USA
- Manufacturing facilities in Canada, China, Finland, France, Germany, Poland, Singapore, Spain and Turkey
- Full lifecycle support to clients from feasibility through design to execution

Assured quality and recognised standards

- Tractel is certified according to ISO 9001, according to ISO 14001 and OHSAS 18001
- Tractel products meets all OSHA, ANSI/ASSE, UL and CSA requirements
- Close cooperation with test centres, notified bodies etc.

Experience and expertise

- Established more than 70 years ago, with the pass-through manual winch Tirfor
- Today present in six segments: lifting and handling, load measurement and control, height safety products and solutions, temporary access, permanent access and services.

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