



CATALOG

Lifting & Handling | Measure & Control | Height Safety

Export



www.tractel.com

Company Profile

Tractel® is a world leading safety specialist providing reliable, innovative and cost-effective working-at-height solutions and services. These solutions are used in many end-user applications, in particular in industrial, construction, energy, telecoms and infrastructure projects.

Tractel®'s solutions portfolio comprises of:

- **Height Safety** - Leading provider of working-at-height personal protective equipment – fall arrest devices (stopfor™, blocfor™, derope™), anchors, harnesses - as well as collective protective equipment, such as guardrails, (BlueWater™), safety gates (Fabenco™) and safety nets (Knot™).
- **Load Measurement & Control** – European leader in industrial load measurement and control – dynafor™, handifor™, dynasafe™, dynaline, dynarope, and dynaplug.
- **Lifting & Handling** – World leader in pass-through manual wire rope hoists (tirfor®) and pass-through electrical wire rope hoists (tirak™, minifor™), clamps, pulleys and hooks, as well as ground handling equipment.
- **Temporary & Permanent Access** – World leader in hoists (tirak™) and aluminium platforms (ALTA, skysafe™), mast climbing work and transport platforms and construction elevators (Scanclimber®), Building Maintenance Units and permanent access solutions for industry, infrastructure and buildings.
- **Services** - in-situ inspection and maintenance services for permanent access equipment, workshop maintenance and general overhauls of mechanical equipment, as well as training and rental services

Established more than 70 years ago, Tractel® today has significant manufacturing facilities in Europe (France, Germany, Poland, Spain), the USA (Minneapolis, Houston), Canada (Toronto, Montreal), China (Shanghai), Singapore and Turkey. These facilities are supported by dedicated centres of excellence in R&D, engineering and safety standards. Tractel® has customers in 120 countries, subsidiaries in 19 countries, 10,000 distributors around the world, and employs around 1,100 people.

This network of expertise, experience and geographical locations allows Tractel® to achieve global reach with local presence.



Tractel® Values:

- **Safety:** Safety is paramount in everything we do. Our customers, subcontractors and employees rely on us to keep them safe when working at height and in their respective work environments, and we will do everything we can to maintain that trust.
- **Interests of our Customers:** The Interests of our Customers are at the forefront of our mind. The distributors, contractors and other customers we work with around the world are the lifeblood of our business existence. Our business does well if we deliver the value that makes their business do well.
- **Reliability:** We focus on Reliability. We take pride in the fact that our products and solutions are of the highest quality and work reliably throughout their lifetime. We pride ourselves on being just as reliable in business. We say what we do and do what we say, we are trusted business partners, both inside and outside of our organisation.
- **Entrepreneurship and Innovation:** We value Entrepreneurship and Innovation. We take pride in growing our business, we are agile and fast in developing opportunities. We innovate because it is how we bring better value to our customers, differentiate from our competitors and ultimately ensure that Tractel® continues to thrive for years to come.
- **Focused and Transparent:** We are focused on the projects we have decided to deliver and value team work. Both within our respective organisations and across sister business units. This means we act with transparency between colleagues, and we are accountable for the projects under our responsibility.

Tractel® - Product ranges

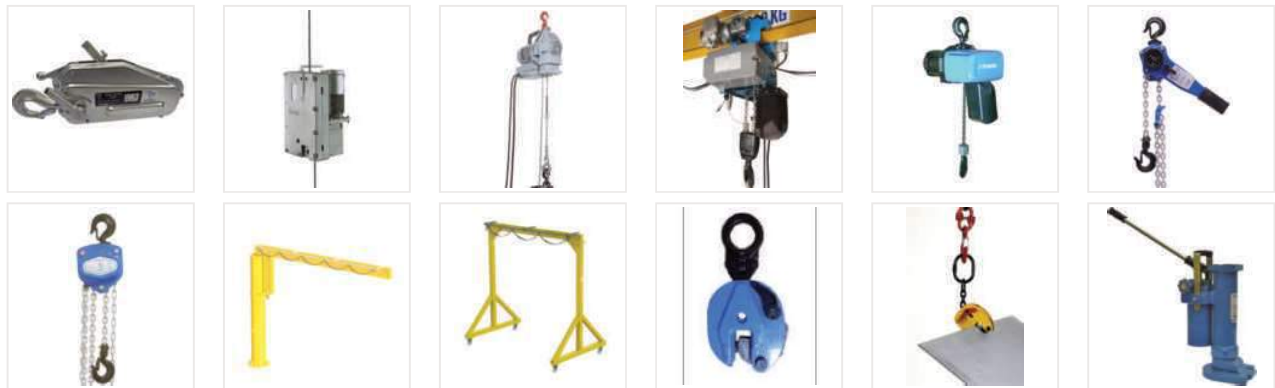
Height Safety Products & Systems



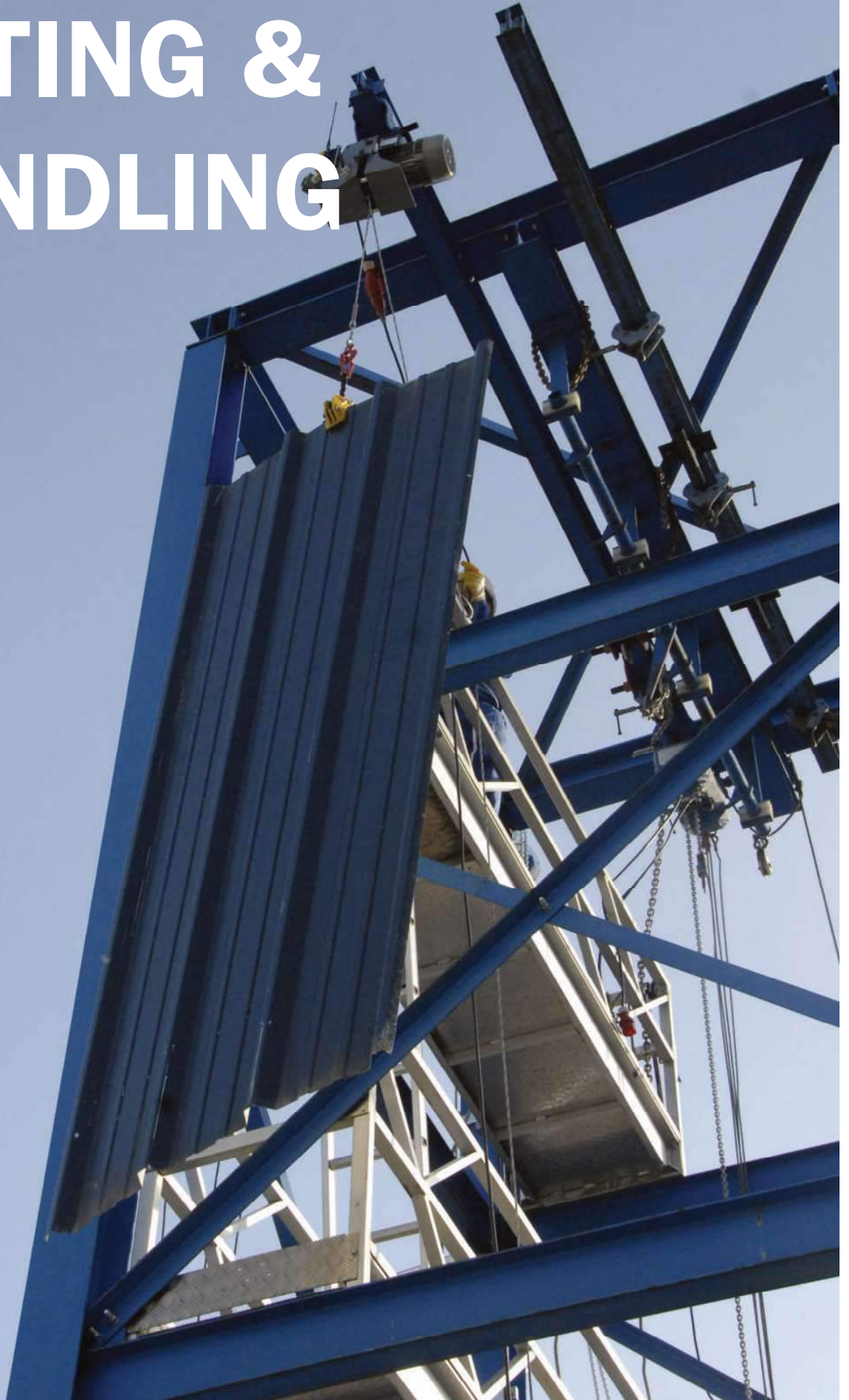
Load Measurement and Control



Lifting and Handling



LIFTING & HANDLING





Wire Rope Hoists

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Lifting Beams and Clamps

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Fall arresters and Floor Handling Equipment

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General safety recommendations

For lifting and load handling

For every use of lifting gear, it is mandatory to respect the safety instructions. The rules outlined below refer to the right safety approach but don't replace the user manual's instructions of each lifting product. The lifting operations must be carried out by trained operators. Tractel® lifting gear provide optimum safety if handled properly.

What to do

- Verify the working load limit of your lifting gear, lifting accessories, different anchoring solutions and supporting structure.
- Verify that the lifting gear is in perfect condition and foreseen of a readable product label.
- Check the load lifting chain on possible damage
- Ensure the right load suspension and its accessories
- Carry out the periodical product inspections.
- Respect recommendations for stocking properly your gear.

What you should not do

- Starting the lifting operation while the load is not fixed properly or when persons are located in the working area.
- Balancing the load during lifting operations
- Lifting/lowering the load without verification of the lifting speed
- Have the load suspended during long extended periods
- SYSTEMATICAL use of limit switches on chain or ropes.
- Move under loads
- Drop lifting gear : hoists and winches should always be placed correctly on the floor.
- Modify one or more components of your lifting gear.



Advise - Audits - Assistance

Manage the safety and reliability of your lifting gear as well its compliance with legal requirements.

Because the best way to limit the risk is to anticipate it ...

Load lifting equipment can generate serious risks for everybody's safety.

Tractel® service approach

Tractel® accompagnies you with the safety management of your working environment.

Periodical inspections are aimed to maintain your lifting gear in good condition and are not intended to verify the compliance with the design rules. Therefore, the periodic inspection reports are not the reflection of the evaluation of the conformity with the regulation.

Approach Tractel® :

- Presentation of services by Tractel®
- Inventory review of the lifting gear
- Visit of the technical workshop
- Audit of the lifting gear and its working environment
- Verification and analysis of the safety logbook and the last audits of third party inspection agencies
- Proposal of actions to be carried out

In order to enable Tractel® to proceed at best to this audit, the auditee shall provide the following elements:

- List of the lifting gear
- Competent staff for the operation of the lifting gear
- The following documents: logbook, service records, user manuals, last audit reports from third party inspection agencies

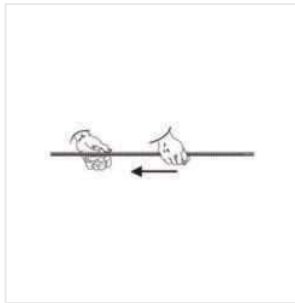


Wire Rope Hoists





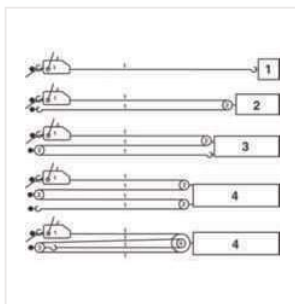
The tirfor® , jockey™ & supertirfor™ principle



- Two jaws alternatively pull the wire rope and the load in the required direction, like pulling a rope with both hands.
- The jaw is self-gripping for safety reasons.
- The heavier the load, the tighter the jaws will clench.
- By operating the unlocking mechanism, the wire rope can be inserted between the jaws.

Multifunctional

- Work can be carried out in any direction: horizontally, vertically or at an angle.
- No limit to the wire rope length.
- WLL can be increased.

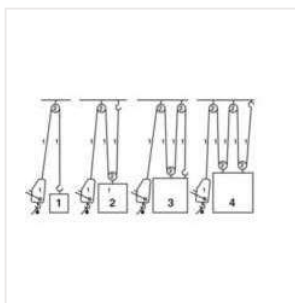


Safe and reliable

- Constant control over loads during lifting and lowering with millimetre accuracy.
- When the hoist is stopped, the load will be automatically distributed over the two jaws.
- Overload protection.

Increasing the WLL

- The tirfor® 's WLL can be increased by a factor of 2, 3, 4 or more by using sheave blocks.
- Specified values must be multiplied by the device's WLL.
- When calculating the load limit, allow for a loss of 4% per sheave block, caused by friction.





The tirfor® TU™ series is developed for daily heavy-duty applications under the most extreme circumstances. The tirfor® TU™ hoist is a versatile and portable multi-purpose manual hoist for lifting, pulling and positioning device.

It can be used for lifting and pulling, but also for lowering, tensioning and securing loads in all directions.

One-man operation by using the telescopic control lever supplied as standard. Spare shear pins for overload protection are supplied as standard.

Proven quality for decades, brand name and market leader – often copied never equalled

The tirfor® TU™ range for daily heavy-duty applications under the most extreme conditions

- Lightweight and easily portable for use anywhere
- TU range EN13157 FULLY compliant
- Delivering safe and assured operation in any direction, either in a straight line or using diverter pulleys over an unlimited length
- Low-wear clamping jaws during demanding applications increasing the life of the wire rope
- Overload protection for safe and secure operation
- Fast and easy to install and use
- Working load can be increased by using sheave blocks
- Positioning loads with millimeter accuracy

TU 8



TU 16



TU 32



tirfor® TU series Model	800 kg		1600 kg		3200 kg	
	ref.	Code	ref.	Code	ref.	Code
tirfor® TU - with 20m wire	tirfor® TU 8 - with 20m wire	58279	tirfor® TU 16 - with 20m wire	58379	tirfor® TU 32 - with 20m wire	58479
tirfor® TU - without wire	tirfor® TU 8 - product only	18009	tirfor® TU 16 - product only	18029	tirfor® TU - product only	18039

tirfor® T500

The tirfor® T500 hoist is a manual lifting and pulling device. It is a versatile and portable multi-purpose device that can be used for lifting and pulling, but also for lowering, tensioning and securing loads in all directions.

One-man operation by using the telescopic control lever supplied as standard. Spare shear pins for overload protection are supplied as standard.

Proven quality for decades, brand name and market leader – often copied never equaled!

The tirfor® T series for standard applications

- Lightweight and easily portable
- Delivering safe and assured operation in any direction, either in a straight line or using diverter pulleys over an unlimited length
- Low-wear clamping jaws for demanding applications increasing the life of the wire rope
- Overload protection for safe and secure operation
- Fast and easy to install and use
- Working load can be increased by using sheave blocks
- Positioning loads with millimetre accuracy
- Secure release system
- Load capacity from 800 - 3200 kg
- Full range of accessories are available – sheave blocks, diverter pulleys, ground anchors and reelers

T 508



T 516



T 532



tirfor® T500 Model	800 kg		1600 kg		3200 kg	
	ref.	Code	ref.	Code	ref.	Code
tirfor® T500 - with 20m wire	T508 D - with 20m wire	58329	T516 D - with 20m wire	58439	T532 D - with 20m wire	58519
tirfor® T500 - without wire	T508 D - product only	18109	T516 D - product only	18119	T532 D - product only	18129



Maxiflex™ Wire Rope

Wire Rope Type	C8	C8	C12	C12	C16	C16
Description	ø 8,3mm	ø 8,3mm with hook	ø 11,5mm	ø 11,5mm with hook	ø 16,3mm	ø 16,3mm with hook
Length	Code	Code	Code	Code	Code	Code
10 m	20569	1939	60719	2039	61089	2359
15 m	54129	1949	60729	2049	61099	2369
20 m - Standard	20589	1959	60739	2059	61109	2379
25 m	20599	1969	60749	2069	61119	2389
30 m	20609	1979	60759	2079	61129	2399
35 m	20619	61309	199659	60639	61139	60819
40 m	20629	1989	60769	2099	61479	2409
45 m	199639	61319	60779	60649	199679	60829
50 m	54199	1999	60789	2119	61159	2419
55 m	199649	61329	199669	60659	199689	60839
60 m	20659	2009	60799	2139	61169	2429

Other lengths : Start Kit + Nb of meters (by multiple of 5 m)

Wire Rope Type	C8	C8	C12	C12	C16	C16
Description	ø 8,3mm	ø 8,3mm with hook	ø 11,5mm	ø 11,5mm with hook	ø 16,3mm	ø 16,3mm with hook
Length	Code	Code	Code	Code	Code	Code
Mètre de câble	238497	238497	238507	238507	238517	238517
Start kit	239957	1939	239967	238397	239977	238407

REELERS AND DRUMS FOR TIRFOR® WIRE ROPES

Model	C8 - ø 8,3 mm	C12 - ø 11,5 mm	C16 - 16,3 mm	Product Code
Reel No. 0	25 m	-	-	889
Reel No. 1	26 - 50 m	25 m	-	909
Reel No. 2	51 - 75 m	26 - 50 m	25 m	939
Reel No. 3	75 - 100 m	51 - 120 m	26 - 60 m	899
Drum No. 200	76 - 150 m	51 - 75 m	26 - 50 m	878
Drum No. 300	151 - 200 m	76 - 150 m	51 - 75 m	868
Drum No. 400	201 - 300 m	151 - 200 m	76 - 100 m	858
Drum No. A41	-	200 m	100 m	44878



jockey™

- Light and compact
- Equipped with standard accessories
- Unlimited wire rope length
- Reliable and easy to use
- Working load can be increased by using sheave blocks
- Overload protection

jockey™	300	500		
Model	ref.	Code	ref.	Code
jockey™	jockey™ J3	5469	jockey™ J5	5479



tirfor® TU-H Series

Equipment A
1 way
1 x 1 600 kg



Equipment A
1 way
1 x 3 200 kg



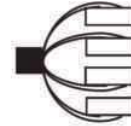
Equipment B
2 ways
2 x 1 600 kg



Equipment B
2 ways
2 x 3 200 kg



Equipment C
4 ways
4 x 1 600 kg



Equipment C
4 ways
4 x 3 200 kg



TU16H

TU32H

The TU-H tirfor® hoists are mechanically powered by a hydraulic cylinder using an electric or petrol powerpack and can be used to lift, pull and position loads over large distances. The TU-H adds flexibility to the operator particularly during extensive heavy-duty usage and movement of loads over long distances.

Areas of application: maritime, building and industry, portable and flexible for use anywhere.

The complete set consists of a hydraulic powerpack, a 3 m long hose set with quick coupling and a tirfor® hoist with frame and cylinder.

TU-16H: The 1-way system is suitable for loads up to 1600kg. It can be expanded into a 4-way system which is suitable for loads up to 4 x 1600 kg.

TU-32H: The 1-way system is suitable for loads up to 3200kg. It can be expanded into a 4-way system which is suitable for loads up to 4 x 3200 kg.

- Delivering safe and assured operation in any direction, either in a straight line or using diverter pulleys over an unlimited length
- Low-wear clamping jaws during demanding applications increasing the life of the wire rope
- Overload protection for safe and secure operation
- Fast and easy to install and use
- Working load can be increased by using sheave blocks
- Positioning loads with millimetre accuracy
- Secure release system

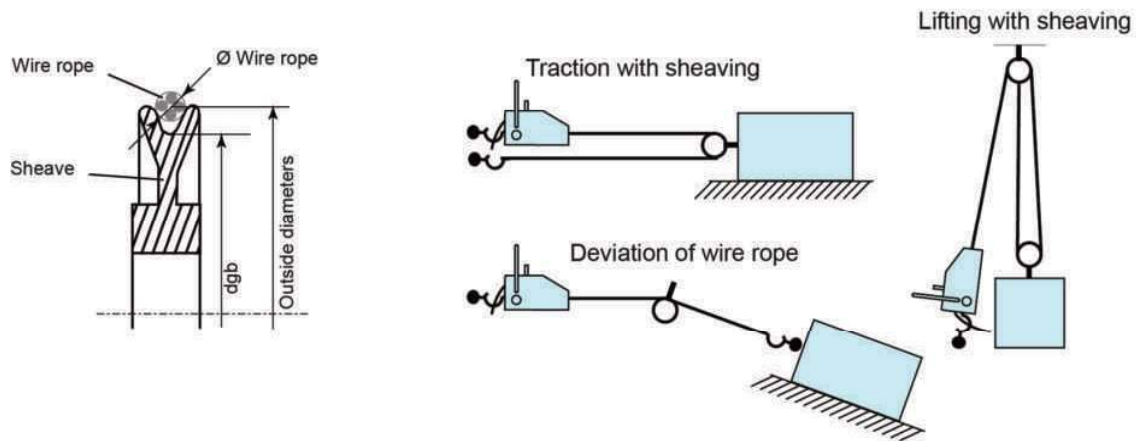
tirfor® TU-P Series pneumatic wire rope hoists

The tirfor® TU-A series is suitable for automatically moving loads over long distances. Many building sites have an air supply by using a compressor. The pneumatic tirfor® can be connected to this compressor and has a standard control unit. If the air pressure is lost, the tirfor® TU-A series can also be operated manually.

- Robust
- Unlimited wire rope length
- Easy to use
- Working load can be increased by using sheave blocks
- Overload protection
- Positioning loads with millimetre accuracy



Pulleys EH series



**Selection of sheaves diameters for wire rope by application:
According to FEM Standard:**

Lifting :

The sheaving factor K will be minimum 12 (for motorised winch class M1) up to 28 (for motorised winch class M8).

N.B.

Sheaving factor is applied on wire rope diameters. The results correspond to the outside diameters of the sheave.

Example:

Wire rope diameters = 10 mm used with winch class M1

Outer sheave diameter = 10 mm x 12 = 120 mm

Diameter of groove base = 120 mm - 10 mm (wire rope) = 110 mm



Model	Product Code
E460H	80969
E470H	80989
E480H	81009



EH Snatch Block

Model	Product Code
E303H	80869
E313H	80889
E323H	80909
E333H	80929
E347H	80949
E490H	81029

tirvit™ - Accessories

tirvit™ Rope Tensioner

- Complete with mounting chain
- Suitable for tensioning wire ropes
- Suitable for pulling loads
- NOT suitable for lifting

Model	WLL	(Wire/Chain/Reel) Diameter	Product Code
F2	400	< = 8	1029
F3	600	7-15	1039
F4	800	14-18	1049



Range of accessories

A comprehensive range of wire ropes and accessories designed for your Tractel® lifting and pulling equipment.

- **Slings**
- **Reelers and Drums**
- **Hooks**
- **tractancrage** : hot galvanised steel anchorage system creating a fixed point in the ground for guying pylons and posts, attachment constructions, fixed point for pulling or lifting operations etc.
- **Coni-klam** : Wire rope clamps with conical coupling for quick attachment to extension wire ropes or slings.
- **Wire rope grippers**: Wire rope gripper with self-clamping cam for gripping via wire or wire rope in any location, to hold a load or maintain tension while awaiting adjustment.



caRol™ EX

Manual drum winch



New generation of compact winches using aluminium and composite materials offering excellent corrosion resistance.

- Low effort on the crank handle and enclosed planetary gear housing.
- The drum has a patented failsafe wind direction and can be disengaged when not under any load
- Galvanized fixing plate for standard model or stainless steel for stainless steel model
- Automatic brake system
- Stainless steel ratchet pawls and springs
- Removable crank handle
- Crank handle with comfortable and ergonomic grip
- Flexible wire rope exit of more than 250°
- Operating temperature from -10°C to +50°C

Model	WLL	Wire Diameter	Wire Length	Product Code
caRol™ EX 150	150 kg	4 mm	24 m	279919
caRol™ EX 300	300 kg	5 mm	8,5 m	279929

caRol™ TS – caRol™ TR

Manual drum winch



caRol™ TS



caRol™ TR



caRol™ TS series

The caRol™ manual winches are for installation in permanent locations for lifting or pulling loads.

- WLL 150kg to 3000kg
- Option to release the drum in unloaded position
- Full capacity on all layers of wire rope
- Automatic brake
- Adjustable crank

- Variable wire rope length depending on load capacity
- caRol™ wire rope winches are available in 2 versions
- Spur gear winches
- Worm gear winches
- The wire rope is reeled onto the drum by turning the crank

Model	WLL	Wire Diameter (mm)	Wire Length (m)	Product Code
caRol™ TS 250	250 kg	5	15	23818
caRol™ TS 500	500 kg	7	18	23828
caRol™ TS 1000	1000 kg	9	30	23838
caRol™ TS 1500	1500 kg	11.5	23	23848
caRol™ TS 2000	2000 kg	13	17	23858
caRol™ TS 3000	3000 kg	16	18,5	23868

caRol™ TR series

The caRol™ manual winches are for installation in permanent locations for lifting or pulling loads.

- WLL 150kg to 3000kg
- Option to release the drum in unloaded position
- Full capacity on all layers of wire rope
- Automatic brake

- Adjustable crank
- Variable wire rope length depending on load capacity
- caRol™ wire rope winches are available in 2 versions
- Spur gear winches
- Worm gear winches
- The wire rope is reeled onto the drum by turning the crank

Model	WLL (kg)	Wire Diameter (mm)	Wire Length (m)	Product Code
caRol™ TR 300	300	5	38	23778
caRol™ TR 500	500	7	18	23788
caRol™ TR 1000	1000	9	30	23798
caRol™ TR 2000	2000	13	25	23808

caRol™ MO

Electric winch



Electric winch designed for simple lifting and pulling applications, ideal to replace a manual winch.

- Direct control: to use only with weather protection
- Mechanical parts machined and protected by cathoresis
- Drum in mechanically welded steel
- Reducer in oil bath with helical gear
- Reduction system fully protected by a metal or plastic cover, ensuring perfect safety
- Single-phase 230 V single-phase brake motor with 50 Hz permanent capacitor, lifting type
- Class F, Protection IP 44 (150 kg model) and IP 54 (300 and 500 kg models)
- Up/down control box with emergency stop (2 m control cable)
- Limit switch as standard
- Motor power adapted to any installation.

Model	WLL	Forward Speed	Wire Diameter	Wire Length	Weight (kg)	Product Code
caRol™ Mo 150 kg	150 kg	7 m/min	4 mm	15 m	14	206848
caRol™ Mo 300 kg	300 kg	5,9 m/min	5 mm	16 m	27	206858
caRol™ Mo 500 kg	500 kg	3,6 m/min	6 mm	13,5 m	27	206868

caRol™ TE

Electric winch



Electric winches designed for lifting and single pulling applications, with high quality requirements:

- Pendant control box UP/DOWN and E-stop with 3M pendant control cable
- Electromagnetic motor brake 230V - permanent capacitor 50 Hz lifting type, P = 0,75 or 1,1 kW according to the model
- Class F - Protection IP 54
- Reducer in oil bath with helical gears
- Mechanical welded steel drum with flanges allowing a secure fastening of the wire rope
- Working load limit for 1st drum layer

Safety:

- UPPER limit switches
- Low voltage control box protecting the operator against electric risk

Model	WLL (kg)	Wire Diameter (mm)	Wire Length (m)	Weight (kg)	Description	Product Code
caRol™ TE 300 kg	300	5	48	35	0.75 mono	206898
caRol™ TE 300 kg	300	5	48	35	0.75 tri	206908
caRol™ TE 500 kg	500	7	38	40	1.1 mono	206938
caRol™ TE 500 kg	500	7	38	40	1.1 tri	206948
caRol™ TE 1000 kg	1000	8	68	90	1.1 mono	206978
caRol™ TE 1000 kg	1000	8	68	90	1.1 tri	206988
caRol™ TE 2000 kg	2000	11,5	45	160	2.2 tri	206988

altotir™

Hoist for construction sites



altotir™ are electric builders' hoists equipped with a wire rope reeler and supporting frame. The Altotir is designed to be mounted on scaffolds. The builders' hoist is equipped with a push-button pendant control box with E stop.

Hoist for lifting loads; quick installation on scaffold tube.

- Model capacity 200kg
- Lifting height : 25m
- Speed 25m /min
- Robust device
- Installation on a standard scaffold tube or installation on a hinged slewing jib.
- Precise load positioning within millimetres

Model	WLL	Lifting Height	Wire Diameter	Product Code
altotir™	200 kg	35 m	5 mm	261579





minifor™ - High performance portable electric hoists

A comprehensive range of universal, high performance portable electric hoists, for work at any height.

A Unique Concept

The minifor™ hoist is very compact, light-weight and easy to handle. Unlimited wire rope length and therefore unlimited lifting height. Available in various models. This hoist is not only suitable for lifting loads, but also for pulling loads in any direction.

Operated by a control pendant (2.5m cable, Up/Down/Emergency Stop), which is supplied as standard. Power supply cable length 1 metre, with CEE Form connector.

The minifor™ can be optionally be equipped with a robust radio remote control with functions Up/Down and E stop with a standard range of 70 m - 433 Mhz.

Integrated drum reeler are available for wire rope lengths 20m, 27 and 40m dependent on capacity of the minifor™



minifor™ TR10 - TR30 - TR30S - TR50



minifor™ offers a compact portable motorized solution for lifting, pulling as well as positioning loads

- Unlimited wire rope length and therefore unlimited lifting height
- Compact, manageable and low self-weight.
- Unique lifting capacity/self-weight ratio.
- Power supply 230 VAC or 400 VAC. Can be used in any working environment.
- Wire rope or kernmantle rope version.
- A swivel hook enables a quick and easy installation
- In conformity with Machinery Directive 2006/42/CE and the European EN 292 standard.
- Reliable and easy to use
- Working load can be increased by using optional sheaving kit
- Up and lower limit switches
- Optional reelers
- Optional radio remote control
- Strong, robust and versatile (IP55)



minifor™ with push button control box

minifor™ TR-Serie



TR10 - TR30

Model	Capacity (kg)	Volts (V)	Frequency (Hz)	Speed (m/min)	Wire rope ø (mm)	Product Code
TR10	100	230	50	15	6,5	42789
TR30	300	230	50	5	6,5	42889
TR30S	300	230	50	13	6,5	42989
TR30S	300	400	50	13	6,5	44779
TR50	500	230	50	7	6,5	44849
TR50	500	400	50	7	6,5	44899

Model	Product Code
box for minifor™ TR 30S/TR 50	102715

minifor™ with spring-loaded reeler 20 m, 27 m or 40 m.

Wire included

Model	Capacity (kg)	Speed (m/min)	Volts (V)	Motor type	Watts (kW)	Wire rope ø (mm)	Product Code
TR10 - 20m	100	15	230	Mono	0,37	6,5	279539
TR30 - 20m	300	5	230	Mono	0,37	6,5	279569
TR10 - 27m	100	15	230	mono	0,37	6,5	279549
TR30 - 27m	300	5	230	Mono	0,37	6,5	279579
TR10 - 40m	100	15	230	mono	0,37	6,5	279559
TR30 - 40m	300	5	230	mono	0,37	6,5	279589

minifor™ with plug-in pendant control box

minifor™ with plug-in pendant control box



Model	Capacity (kg)	Speed (m/min)	Volts (V)	Watts (kW)	Weight (kg)	Dimensions	Wire rope ø (mm)	Product Code
TR10	100	15	230	0,37		20 350 / 415 / 245	6,5	279719
TR30	300	5	230	0,37		20 350 / 415 / 245	6,5	279729
TR30S	300	13	230	1,1		32 495 / 425 / 225	6,5	279739
TR30S	300	13	400	1,1		32 495 / 425 / 225	6,5	279749
TR50	500	7	230	1,1		32 495 / 425 / 225	6,5	279759
TR50	500	7	400	1,1		32 495 / 425 / 225	6,5	279769

minifor™ with plug-in pendant control box and spring-loaded reeler 20 m, 27 m or 40 m.

Wire included



Model	Capacity (kg)	Speed (m/min)	Volts (V)	Watts (kW)	Weight (kg)	Dimensions	Wire rope ø (mm)	Product Code
TR10 - 20m	100	15	230 V / mono	0,37		38 562 / 415 / 418	6,5	279599
TR30 - 20m	300	5	230 V / mono	0,37		38 562 / 415 / 418	6,5	279629
TR10 - 27m	100	15	230 V / mono	0,32		42 683 / 415 / 418	6,5	279609
TR30 - 27m	300	5	230 V / mono	0,27		42 683 / 415 / 418	6,5	279639
TR10 - 40m	100	15	230 V / mono	0,37		42 622 / 415 / 418	6,5	279619
TR30 - 40m	300	5	230 V / mono	0,27		42 622 / 415 / 418	6,5	279649

minifor™ with H.F. radio control

minifor™ with H.F. radio control



Model	Capacity (kg)	Speed (m/min)	Volts (V)	Watts (kW)	Weight (kg)	Dimensions	Wire rope ø (mm)	Product Code
TR10	100	15	230 V / Mono	0,37		24 350 / 415 / 266	6,5	42799
TR30	300	5	230 V / mono	0,37		24 350 / 415 / 266	6,5	42899
TR30S	300	13	230 V / mono	1,1		37 495 / 425 / 225	6,5	44759
TR30S	300	13	400 V / tri	1,1		33 495 / 425 / 225	6,5	44789
TR50	500	7	230 V / monno	1,1		37 495 / 425 / 225	6,5	44879
TR50	500	7	400 V / tri	1,1		34 495 / 425 / 225	6,5	44919

Model	Product Code
box for minifor™ TR 30S/TR 50	102715

minifor™ with radio control and spring-loaded reeler 20 m, 27 m or 40 m.

Wire included



Model	Capacity (kg)	Speed (m/min)	Volts (V)	Watts (kW)	Weight (kg)	Dimensions	Wire rope ø (mm)	Product Code
TR10 - 20m	100	15	230 V / mono	0,37		41 562 / 415 / 418	6,5	279659
TR30 - 20m	300	5	230 V / mono	0,37		41 562 / 415 / 418	6,5	279689
TR10 - 27m	100	15	230 V / mono	0,32		44 583 / 415 / 418	6,5	279669
TR30 - 27m	300	5	230 V / mono	0,27		44 583 / 415 / 418	6,5	279699
TR10 - 40m	100	15	230 V / mono	0,37		42 622 / 415 / 418	6,5	279679
TR30 - 40m	300	5	230 V / mono	0,27		42 622 / 415 / 418	6,5	279709

minifor™ TR125SY



The minifor™ TR125 SY hoist is equipped with a special synthetic rope. It can be used to lift over great heights (standard rope length up to 200 m, longer ropes upon request). The torque is steady and speed is also stable at 30 m/min. The motor integrated brake makes it intrinsically safe in operation. The minifor™ TR125 SY hoist is available with different voltages and is suitable for various applications. It is operated through a push button pendant control. As an option, the minifor™ TR125 SY hoist can be equipped with a wireless remote control.

- Special synthetic rope
- Lightweight
- Quick installation
- Unlimited wire rope length
- Easy to use, light-weight, robust, powerful
- Working load can be increased with sheaving kit
- Up and down limit switches
- Strong, robust and versatile (IP55)

Model	WLL	Forward Speed	Volts (V)	Frequency (Hz)	Amps (A)	Weight (kg)	Description	Product Code
TR125 SY	125 kg	30 m/min	230	50	6.2	20	with pendant control 2,5 m	245169
TR125 SY	125 kg	15 m/min	230	50	3.9	20	with pendant control 2,5 m	245179
TR125 SY	125 kg	30 m/min	400	50	2.25	20	with pendant control 2,5 m	245189
TR125 SY	125 kg	30 m/min	230	50	6.2	20	with control cable and cupling	245229
TR125 SY	125 kg	15 m/min	230	50	3.9	20	with control cable and cupling	245239
TR125 SY	125 kg	30 m/min	400	50	2.25	20	with control cable and cupling	245249
TR125 SY	125 kg	15 m/min	230	50	3.9	20	with radio remote control	245279
TR125 SY	125 kg	30 m/min	230	50	6.2	20	with radio remote control	245289
TR125 SY	125 kg	30 m/min	400	50	2.25	20	with radio remote control	245299



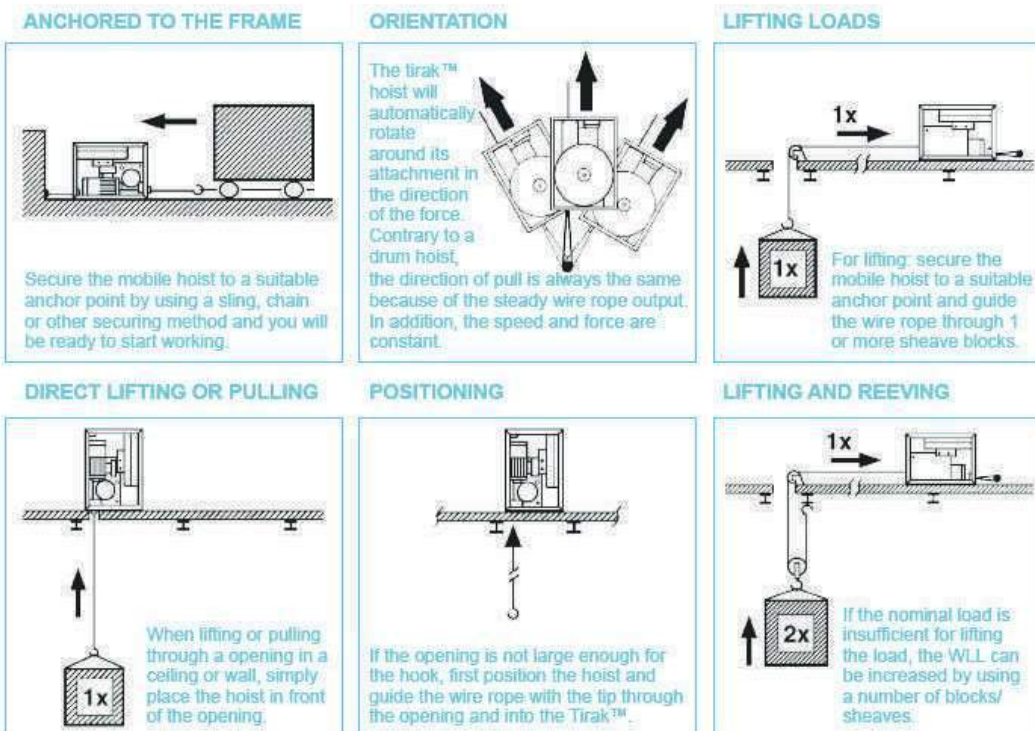
tirak™ range

Traction hoists with limitless pulling length for man riding and material lifting

- Capacity from 300 to 3000 kg
- Compact
- Always profitable
- Diversity of applications
- Robust components
- Low-wear components
- Easy handling

The compact dimensions and low weight enable easy handling and simplify the integration of the tirak™ hoist into your own applications, thus increasing productivity and efficiency.

An Increase of load capacity is possible by using reeving pulleys.





tirak™ X series - electric traction wire rope hoist for lifting and pulling

- Unlimited length of lift and pull as the wire rope is not reeled on a drum
- Secondary centrifugal brake for controlled descent in case of power failure
- Pendant control box UP/DOWN with E-stop and 3 m pendant control cable
- Constant speed
- Constant lifting and pulling capacity
- Integrated mechanical overload protection > 980 kg
- Long service life
- Customized assembly and production
- Spare parts available
- Various smart accessories



tirak™ X series with supporting frame and reeler system

- Availability of different wire rope reelers from 50 to 800 m rope length capacity
- Pendant control box UP/DOWN and E-Stop with 3 m pendant control cable
- W.L.L. : 300 to 3000 kg material handling



tirak™ XA series : air-driven traction wire rope hoists

- Unlimited length of lift and pull as the wire rope is not reeled on a drum
- Secondary centrifugal brake for controlled descent in case of air power failure
- W.L.L. : 300 to 980 kg



tirak™ : T Range - universal electric traction wire rope hoist

- Traction wire rope hoist capable of pulling in both directions with the same force
- Unlimited length of lift and pull as the wire rope is not reeled on a drum
- Secondary centrifugal brake for controlled descent in case of power failure
- 48V pendant control box UP/DOWN and E-stop with 3 m pendant control cable
- W.L.L. 980 kg

Electric hoists tirak™ X

with frame and reeler



Model	Product Code	WLL	(Wire/Chain/Reel) Length	Forward Speed	Volts (V)	Frequency (Hz)	Watts (W)	(Wire/Chain/Reel) Diameter	Weight (kg)
X300	188909 + 39389	300	60	9	400	50	0,5	8	
X302	188919 + 39389	300	60	18	380	50	1,1	8	
X504	188929 + 39399	500	60	4,5	380	50	0,5	8	
X500	188939 + 39399	500	60	9	400	50	0,9	8	
X505	188949 + 39399	500	60	4,5/9	400	50	0,5/0,9	8	
X506	188959 + 39399	500	60	4,5/18	380	50	0,5/1,8	8	
X503	188969 + 39399	500	60	9/18	380	50	1,5/3	8	
X804	188979 + 39399	800	60	4,5	400	50	0,75	8	
X800	188989 + 39399	800	60	9	380	50	1,5	8	
X805	188999 + 39399	800	60	4,5/9	380	50	0,75/1,5	8	
X806	189009 + 39399	800	60	4,5/18	380	50	0,75/3	8	
X803	189019 + 39399	800	60	9/18	400	50	1,5/3,0	8	
X1024	189029 + 34398	980	50	4,5	400	50	0,9	9	
X1020	189039 + 34398	980	50	9	400	50	0,9	9	
X1025	189049 + 34398	980	50	4,5/9	400	50	0,9/1,8	9	
X1026	189059 + 34398	980	50	4,5/18	400	50	0,9/3,8	9	
X1023	189069 + 34398	980	50	9/18	400	50	1,8/3,6	9	
X1530	189079 + 34398	1500	40	9	400	50	2,8	10	
X3050	214719 + 30188	3000	110	6	400	50	3,8	14	
X3052	189099 + 30188	3000	110	12	400	50	7,5	14	

Electric hoists tirak™ X

with frame and reeler

Model	Product Code	WLL	(Wire/Chain/Reel) Length	Forward Speed	Volts (V)	Frequency (Hz)	Watts (W)	(Wire/Chain/Reel) Diameter	Weight (kg)
X504	189109 + 32588	500	500	4,5	400	50	0,5	8	115
X500	189119 + 32588	500	500	9	400	50	1,5	8	115
X505	189129 + 32588	500	500	4,5/9	380	50	0,5/0,9	8	125
X506	189139 + 32588	500	500	4,5/18	380	50	1,5/3	8	125
X503	189149 + 32588	500	500	9/18	380	50	1,5/3	8	125
X804	189159 + 32588	800	500	4,5	380	50	0,75	8	120
X800	189169 + 32588	800	500	9	400	50	1,5	8	120
X805	189179 + 32588	800	500	4,5/9	400	50	0,75/3	8	125
X806	189189 + 32588	800	500	4,5/18	400	50	0,75/3	8	145
X803	189199 + 32588	800	500	9/18	380	50	1,5/3	8	125
X1024	189219 + 32598	980	400	4,5	400	50	0,9	9	125
X1020	189229 + 32598	980	400	9	400	50	2,2	9	120
X1025	189239 + 32598	980	400	4,5/9	400	50	0,9/1,8	9	130
X1026	189249 + 32598	980	400	4,5/18	400	50	0,9/3,8	9	145
X1023	214379 + 32598	980	400	9/18	400	50	1,8/3,6	9	-
X3050	189279 + 34328	3000	800	6	400	50	3,8	14	550
X3052	189289 + 34338	3000	800	12	400	50	7,5	14	550

Chain Hoists



corso

Beam clamps & trolleys



corso Beam clamps for material handling

Model	WLL	Flange Width	Weight (kg)	Product Code
LT-1B	1000	75-230	4,8	7009
LT-2B	2000	75-230	5,6	7019
LT-3B	3000	80-330	11	7029
LT-5B	5000	80-330	12,3	7039
LT-10B	10000	80-320	21	7049



corso Push Trolley for material handling

Model	WLL	Weight (kg)	Flange Width	Min. Radius	Product Code
C250	250	3,5	45 - 152	650	69289
C500	500	8,5	50 - 220	900	23309
C1000	1000	10,5	58 - 220	1000	23319
C2000	2000	18	66 - 220	1200	23329
C3000	3000	32	74 - 220	1300	23379
C5000	5000	48,5	90 - 220	1400	23389
C10000	10000	105	125 - 320	2500	56279



corso Manual/Geared Trolley for material handling

Model	WLL	Weight (kg)	Flange Width	Min. Radius	Product Code
1000	1000	19	58 - 220	1000	23339
2000	2000	22,5	66 - 220	1200	23349
3000	3000	37,5	74 - 220	1300	23359
5000	5000	55	90 - 220	1400	23369
10000	10000	115	125 - 320	2500	56289
20000	20000	254	136 - 320	5000	56299

Manual Chain Hoists

tralift™ / bravo™

tralift™ Manual chain hoist

The tralift™ manual hand chain hoist has a unique Tractel® design which is compact, light yet robust, able to tackle the most extreme lifting conditions.

Ideal for rental fleets, industrial and construction application. Tractel® also offer tralift™ in black format for the entertainment industry.

Certified by TÜV Rheinland to EN13157 for capacities 500kg and above when fitted with Corolim Grade 8 EN818-7 load chain which also offers excellent corrosion protection.

- WLL from 250kg to 20t
- Corrosion resistant Corolim® load chain with less wear and longer life – EN818-7 compliant
- EN13157 fully compliant TÜV Rheinland certified
- Compact and lightweight
- Robust design with cast steel safety catches
- Easily portable for use anywhere
- Swivel hook with overload indication and robust cast steel safety catches
- Option: Overload protection for safe and secure operation reducing unnecessary damage to the hoist – 0.5t to 20t



bravo™ desync lever hoist



bravo™ lever hoists from Tractel® are particularly suitable for tensioning, lifting, handling and traction operations, with optimum safety thanks to exclusive desynchronised pawls preventing any unintentional release of the load. Range from 0,5 tons to 9 tons.

- Permanent load control
- Automatic load brake closure
- Load limiter as option available
- Optimised safety against unintentional release of the load thanks to the two independent desynchronised pawls
- Free wheel system / neutral position: fast and easy pull through of the load chain
- Wide range: capacities from 500 kg to 9 t
- Roller and block chain guides ensuring a smooth chain action through the hoist
- Galvanised fittings, epoxy paint for much greater resistance to aggressive environments
- Forged steel hooks with 360° rotation and overload opening indicators
- Compact with a light weight simplifies use and transport
- Rubber handle improves grip
- Compliance with Machine Directive 2006/42/CE
- EN13157 + A1:2009 conformity



bravo™ AC aluminium lever hoist

- WLL from 250kg and 500kg
- Aluminium casings
- Compact and lightweight
- Robust design equals less down time
- Easily portable for use anywhere
- Swivel hook
- Pull-through feature to quickly adjust the load chain
- Carry bag with belt loop
- Option: chain locking and shortening device for greater safety ensuring the load or tension is never lost



Chain Locking Device - CLD



The CLD chain locking device acts as an adjustable limit on the bravo™ & tralift™ lever hoist when lowering the load.

The chain locking device can be used with bravo™ lever hoists for load lifting, load pulling and rope tensioning applications.

The chain locking device is intended to be a retrofitted accessory to adapt all models and capacities of bravo™ & tralift™ hoists supplied by Tractel® in compliance with the size of the chain.

The CLD acts as a chain end stop, which can be adjusted to any position on the free side of the load chain (bravo™ application).

Model	Product Code	Length (mm)	Height (cm)	(Wire/Chain/Reel) Diameter	Weight (kg)
CLD 4/5	196438	70 x 34	34	4x12/5x15	140
CLD 6	196448	85 x 42	42	6x18	240
CLD 7/8	196458	110 x 52	52	7x12/8x24	480
CLD 10	196468	130 x 64	64	10x30	760



Range of Electric Chain Hoists

tralift™ TT

- **WLL ranging from 250 to 2000 kg**
- Warranty 3 years
- Designed for frequent use
- Fit for challenging environments : IP 65
- Low noise level: 65dB
- Stainless steel models available
- Special high performance load lifting chain
- Low headroom



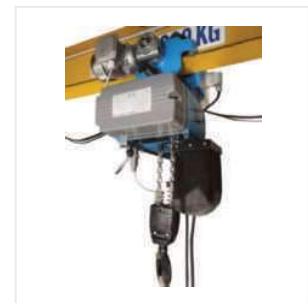
tralift™ TS

- **WLL ranging from 1600 to 5000 kg**
- Warranty 1 year
- Designed for frequent use
- Protection rate IP 54
- High resistant load lifting chain



volt trac™

- **WLL ranging from 125 to 2000 kg**
- Warranty 18 months
- Designed for frequent use
- Fit for challenging environments: IP 55
- Extra low noise level
- Galvanized load lifting chain



tralift™ TT

Range of electric chain hoists - 250 to 2 000 kg



Designed for permanent installation on a jib crane, underneath an overhead crane, or on motorised or non-motorised trolleys.

- Suitable for the toughest applications and conditions
- Recommended for dusty and humid environments and also for outdoor use
- Extra long service life thanks to the permanently lubricated gearbox and the profiled steel chain with manganese phosphate coating
- Application range: -15 to +50°C
- Low weight and overhead height due to the compact housing
- Reinforced load hook with forged safety catch
- Alternating current (230V / 1Ph / 50Hz) or three-phase current (400V / 3Ph / 50Hz)
- Ergonomic remote control, wired or wireless
- Corrosion resistant finish



tralift™ TT

Range of electrics chain hoists - 250 to 2 000 kg

Model	Number of Falls	Number of Speeds	Classification FEM/ISO	Forward Speed	Volts (V)	Frequency (Hz)	WLL	Product Code
TT250kg	1	1	2m/M5	8	400	50	250	278129
TT250kg	1	2	2m/M5	8/2	400	50	250	278139
TT500kg	2	1	2m/M5	4	400	50	500	278169
TT500kg	2	2	2m/M5	4/1	400	50	500	278179
TT500kg	1	1	2m/M5	8	400	50	500	278149
TT500kg	1	2	2m/M5	8/2	400	50	500	278159

Standard models :
 lifting height = 3m
 Pendant control box = 1,80 m

Model	Number of Falls	Number of Speeds	Classification FEM/ISO	Forward Speed	Volts (V)	Frequency (Hz)	WLL	Product Code
TT1000kg	2	1	2m/M5	4	400	50	1000	278209
TT1000kg	2	2	2m/M5	4/1	400	50	1000	278219
TT1000kg	1	1	2m/M5	8	400	50	1000	278189
TT1000kg	1	2	2m/M5	8/2	400	50	1000	278199
TT1600kg	2	1	2m/M5	4	400	50	1600	278229
TT1600kg	2	2	2m/M5	4/1	400	50	1600	278239
TT2000kg	2	1	2m/M5	4	400	50	2000	278249
TT2000kg	2	2	2m/M5	4/1	400	50	2000	278259

Standard models :
 lifting height = 3m
 Pendant control box = 1,80 m

additional lifting height for tralift™ TT

Model	Product Code
for tralift™ TT 250 1 fall	232507
for tralift™ TT 500 2 falls	232517
for tralift™ TT 500 1fall	232527
for tralift™ TT 1000 1 fall	232637
for tralift™ TT 1000 2 falls	232647
for tralift™ TT 1600 2 falls / 2000 2 falls	239547

additional meter for pendant control

Model	Product Code
additional meter for pendant control	-

tralift™ TT - ATEX

Gaz proof & Dust proof



To be used in EX proof site (ATEX).

tralift™ TTR

Range of electric chain hoists equipped with STAINLESS STEEL load lifting chain



- FEM classification : 2 M / ISO : M5
- Protection rate : IP 65 (hoist)
- UPPER and LOWER limit switches
- Integrated load limiting device
- Stainless steel bottom hook / stainless steel chain guide
- Gearbox grease compatible for food industry
- Stainless steel top hook included

Model	WLL	Number of Falls	Number of Speeds	Forward Speed	Product Code
tralift™ TTR - Stainless Steel Chain - Tri 400 V - 50 Hz	250 kg	1	2	8 - 2 m/min	279429
tralift™ TTR - Stainless Steel Chain - Tri 400 V - 50 Hz	500 kg	2	2	8 - 2 m/min	279439
tralift™ TTR - Stainless Steel Chain - Tri 400 V - 50 Hz	1 000 kg	2	2	4 - 1 m/min	279449
tralift™ TTR - Stainless Steel Chain - Tri 400 V - 50 Hz	250 kg	1	1	8 m/min	279459
tralift™ TTR - Stainless Steel Chain - Tri 400 V - 50 Hz	500 kg	2	1	8 m/min	279469

tralift™ TT- Special Models

Hoists for special applications



tralift™ TTHK

Handy chain model for fast and easy handling of loads

- Control of electric chain hoist and guidance of the load with one hand
- Control unit with rocker switch for left- and right-handed operation
- Hook end positions adjustable by geared limit switch
- Can be combined with slewing or suspended cranes

Option: handy kit for retrofitting of standard electric chain hoist

Option: with frequency inverter



tralift™ TTS

Synchronized electric chain hoists for handling of large and bulky loads:

- Precise parallel run of two hooks without twisting the load
- With temperature monitoring
- Hook position individually adjustable by geared limit switch
- Distance between load hooks 0.7-5.0 m
- Perfect to combine with suspended crane or travelling crane

Option: with trolleys

Option: with frequency inverter



tralift™ TTW

Electric chain hoist for wind turbines:

- Lifting speed up to 16 m/min
- Lifting height up to 200 m
- Temperature monitoring with shutdown function of the motor in case of overheating
- Automatic switching from high to low lifting speed shortly before the stroke end by geared limit switch
- External limit switches for hook end positions
- Tempered special chain
- Load hook with protective cover

Option: with manual or motorised trolley

Option: chain container

tralift™ TS

Range of electric chain hoists - 1 600 to 5 000 kg

Designed for permanent installation on a jib crane, underneath an overhead crane or on motorised or non-motorised trolleys

- Adjustable top and bottom limit switches
- Safety low-voltage control
- Emergency stop
- Friction-type load limiter
- Power supply voltage 230 or 400 V, three-phase, 50 or 60 Hz



tralift™ TS

Range of electric chain hoists - 1 600 to 5 000 kg

Model	Number of Falls	Number of Speeds	Classification FEM/ISO	Forward Speed	Volts (V)	Frequency (Hz)	WLL	Product Code
TS1600kg	1	1	1Bm/M3	8	400	50	1600	278409
TS1600kg	1	2	1Bm/M3	8/2	400	50	1600	278419
TS2000kg	1	1	1Bm/M3	8	400	50	2000	278429
TS2000kg	1	2	1Bm/M3	8/2	400	50	2000	278439
TR2500kg	1	1	1Bm/M3	6,4	400	50	2500	278449
TS2500kg	1	2	1Bm/M3	6,4/1,6	400	50	2500	278459
TS2500kg	2	1	1Bm/M3	3,2	400	50	2500	278469
TS2500kg	2	2	1Bm/M3	3,2/0,8	400	50	2500	278479

Standard models :
lifting height = 3m
Pendant control box = 1,80 m

Model	Number of Falls	Number of Speeds	Classification FEM/ISO	Forward Speed	Volts (V)	Frequency (Hz)	WLL	Product Code
TS3200kg	2	1	1Bm/M3	4	400	50	3200	278489
TS3200kg	2	2	1Bm/M3	4/1	400	50	3200	278499
TS4000kg	2	1	1Bm/M3	4	400	50	4000	278509
TS4000kg	2	2	1Bm/M3	4/1	400	50	4000	278519
TS5000kg	2	1	1Bm/M3	3,2	400	50	5000	278529
TS5000kg	2	2	1Bm/M3	3,2/0,8	400	50	5000	278539

Standard models :
lifting height = 3m
Pendant control box = 1,80 m

additional lifting height for tralift™ TS

Model	Product Code
for tralift™ TS 1600	195087
for tralift™ TS 2000 / 2500 1 fall	195107
for tralift™ TS 2500 2 falls / 3200	195097
for tralift™ TS 4000 / 5000	195117

additional meter for pendant control

Model	Product Code
additional meter for pendant control	195127
additional meter for pendant control for tralift™ TS with trolley	195137

tralift™ TS with electric trolley

Range of electrics chain hoists with electric trolley - 1 600 to 5 000 kg

Model	Number of Falls	Number of Speeds	Classification FEM/ISO	Forward Speed	Volts (V)	Frequency (Hz)	WLL	Product Code
TS1600kg	1	1	1Bm/M3	8	400	50	1600	278549
TS1600kg	1	2	1Bm/M3	8/2	400	50	1600	278559
TS2000kg	1	1	1Bm/M3	8	400	50	2000	278569
TS2000kg	1	2	1Bm/M3	8/2	400	50	2000	278579
TS2500kg	1	1	1Bm/M3	6,4	400	50	2500	278589
TS2500kg	1	2	1Bm/M3	6,4/1,6	400	50	2500	278599
TS2500kg	2	1	1Bm/M3	3,2	400	50	2500	278609
TS2500kg	2	2	1Bm/M3	3,2/0,8	400	50	2500	278619

Standard models :
 lifting height = 3m
 Pendant control box = 1,80 m

Model	Number of Falls	Number of Speeds	Classification FEM/ISO	Forward Speed	Volts (V)	Frequency (Hz)	WLL	Product Code
TS3200kg	2	2	1Bm/M3	4/1	400	50	3200	278639
TS3200kg	2	1	1Bm/M3	4	400	50	3200	278629
TS4000kg	2	2	1Bm/M3	4/1	400	50	4000	278659
TS4000kg	2	1	1Bm/M3	4	400	50	4000	278649
TS5000kg	2	2	1Bm/M3	3,2/0,8	400	50	5000	278679
TS5000kg	2	1	1Bm/M3	3,2	400	50	5000	278669

Standard models :
 lifting height = 3m
 Pendant control box = 1,80 m

additional lifting height for tralift™ TS

Model	Product Code
for tralift™ TS 1600	195087
for tralift™ TS 2000 / 2500 1 fall	195107
for tralift™ TS 2500 2 falls / 3200	195097
for tralift™ TS 4000 / 5000	195117

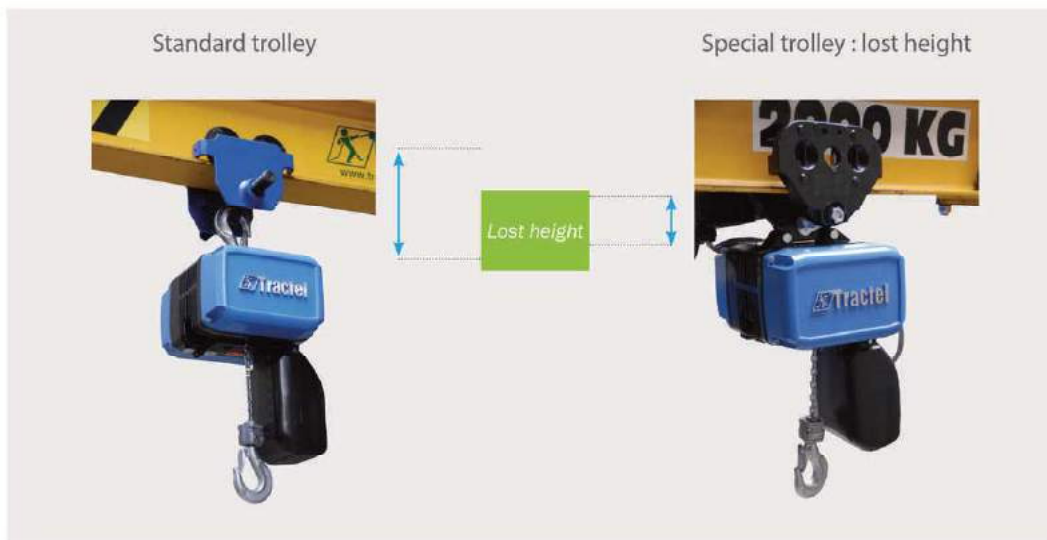
additional meter for pendant control

Model	Product Code
additional meter for pendant control	195127
additional meter for pendant control for tralift™ TS with trolley	195137

tralift™ TS

Options (trolleys and hanger bar)

WLL (kg)	Nb of falls	Designation	Code	Hanger bar selection table							
				76-139 mm	120-179 mm	140-199 mm	200-259 mm	260-320 mm	56-119 mm	180-239 mm	240-300 mm
1 600	1	TSP 150	240189	standard	Not available	195597	195607	195617	Not available		
2 000	1	TSP 150	240189	standard	Not available	195597	195607	195617	Not available		
2 500	1	TSP 300	240209	Not available	standard	Not available			Not available		
2 500	2	TSP 300	240209	Not available	standard	Not available			195627	195637	195647
3 200	2	TSP 300	240209	Not available	standard	Not available			195627	195637	195647
4 000	2	TSP 300	240209	Not available	standard	Not available			195627	195637	195647
5 000	Not available			Not available							





volt trac™

Range of electric chain hoists - 250 to 2 000 kg



volt trac™ hoists are motorised chain hoists. They are used to lift and transfer loads. volt trac™ is designed for permanent installation on a jib crane, underneath an overhead crane, or on motorised or non-motorised trolleys. They are suitable for handling relatively heavy objects while reducing the physical effort of the user.

With volt trac™, Tractel® is offering a new generation of electric chain hoists which are robust with FEM/ISO rating of 2m/M5 as well as an economic solution for your lifting needs.

Ergonomic modular construction allows fast disassembly and assembly during maintenance with easy access to all major parts: chain guide, motor and electric components.

This all adds up to low total cost of ownership for you.

In addition, Tractel® is able to provide accessories for volt trac™ which will complete your customised application.

- TuV Rheinland independent certification to all aspects of EN14492
- Modular design allowing ease of maintenance
- Oil bath lubrication for better cooling and low gear wear
- Thermal cut out and phase protection as standard
- Slip clutch overload protection
- Reduced control voltage (24V)

Standard capacities: 250kg to 2000kg at FEM/ISO rating 2m/M5

Available on request FEM/ISO ratings can be adapted from 1Am/M4 to 5m/M8 expanding the capacity range to: 125kg to 2200kg



volt trac™

Range of electric chain hoists - 250 to 2 000 kg

Model	Number of Falls	Number of Speeds	Forward Speed (m/min)	WLL (kg)	Product Code
250	1	1	10	250	280209
500	1	1	8	500	280229
500	1	2	8/2	500	280239
500	2	1	5	500	280219
1000	1	1	8	1000	280269
1000	2	1	4	1000	280249
1000	2	2	4/1	1000	280259
1000	1	2	8/2	1000	280279
2000	2	1	4	2000	280289
2000	2	2	4/1	2000	280299

Standard models :
lift height = 3m
Pendant control box = 1,80 m

additional chain per meter

Model	Product Code	Max Length (cm)
for volt trac™ 250	270917	25
for volt trac™ 500 / 2 falls	270927	25
for volt trac™ 500 / 1 fall	270937	25
for volt trac™ 1000 / 2 falls	270947	25
for volt trac™ 1000 / 1 fall	270957	25
for volt trac™ 2000 / 2 falls	270967	25

additional meter for pendant control

Model	Product Code	Max Length (cm)
additional meter for pendant control	195127	25
additional meter for pendant control for volt trac™ with trolley	239597	25

eye suspension for volt trac™

Model	Product Code
250 kg, 1fall	270987
500 kg, 2 falls	270997
500 kg, 1 fall	274007
1000 kg, 2falls	274017
1000 kg, 1 fall	274027
2000 kg, 2 falls	274037

volt trac™

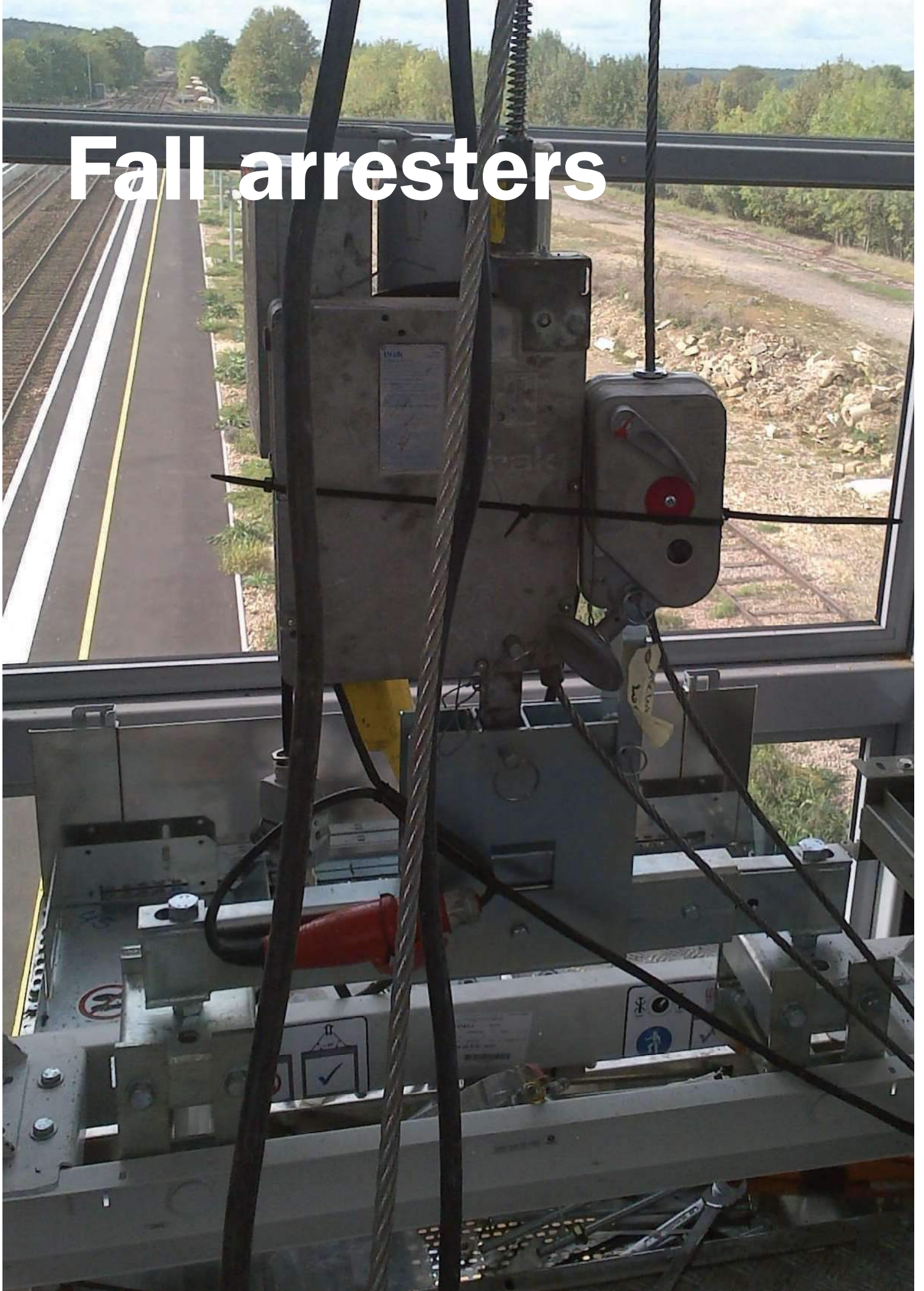
Range of electric chain hoists - 250 to 2 000 kg

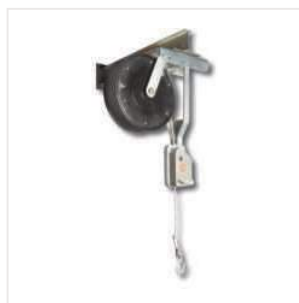
radio remote control

Model	Product Code
250 kg 1 fall	274047
500 kg 1 fall	274057
1000 kg 1 fall	274067
500 kg 2 falls	276717
1000 kg 2 falls	276727
250 kg 1 fall & trolley 1 fall	274087
500 kg 1 fall & trolley 1 fall	274097
1000 kg 1 fall & trolley 1 fall	274107
500 kg 2 falls & trolley 1 fall	276737
1000 kg 2 falls & trolley 1 fall	276747
250 kg 1 fall & trolley 2 falls	276757
500 kg 1 fall & trolley 2 falls	276767
1000 kg 1 fall & trolley 2 falls	276777
500 kg 2 falls & trolley 2 falls	276787
1000 kg 2 falls & trolley 2 falls	276797



Fall arresters





blocmat™ load arrester

The blocmat™ is an automatic wire rope load arrester with an integrated drum reeler.

A falling load will be arrested within 10 cm by the blocmat™.

It is easy to carry out a functional test and to manually release and reset the load arrester.

After activation, release, and reset the system can immediately be used again.

Available models:

- S - Ceiling assembly
- SI - Floor assembly (to be used with additional sheave)
- BS – attached to a suspended structure
- M and SIP - Upon request: especially for truss systems (entertainment industry).
- Very limited fall (<100 mm)
- Automatic winding of wire rope
- Very robust and durable
- Easy to use
- Manual test function
- Capacity up to 1,000 kg
- Complies with the 2006/42/EC standard.
- BS model available with M61 hook attachment as standard
- BS model optional clamp attachment



blocmat™ 10 TSD 250 kg

blocmat™ 10 TSD, Self-Retracting Load Fall Arrest, is equipped with the new TSD system (Top System Dissipator) The TSD system guarantees a fall load of less than 650daN even if the load drops when the cable is fully unwound.

The main advantages of using the blocmat™ 10 TSD 250, self-retracting load fall arrester are:

- Integration of the TSD system at the top of the device. This eliminates the risk of a violent shock if the load drops when the cable is fully unwound.
- A very good grip for transport and installation.
- Simplified maintenance due to its optimized design



Model	WLL	Length (m)	(Wire/Chain/Reel) Diameter	Product Code
blocmat™ 10 TSD 250 kg 10 m	250	10	4,7	279479
blocmat™ 10 TSD 250 kg 18 m	250	18	5	279489

Floor Handling Equipment



Floor Handling Equipment



pioneer hand pallet truck

The pioneer hand pallet truck for transporting palletised goods around warehouse, shops or industrial sites.

- 2.000 kg to 3.000 kg
- Robust chassis and forks manufactured from steel
- High-performance hydraulic pump
- Controlled lowering of the load
- 3-position operation
- Polyurethane, Nylon or Rubber Steering wheels
- Polyurethane or Nylon load rollers



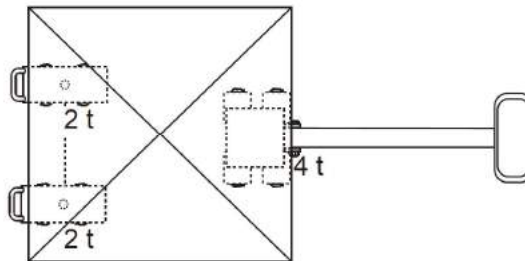
pakrol™ skates and trolley skates

The pakrol™ skates and trolley skates can be used in combination to move loads from 2,000kg to 20,000kg.

- WLL 2,000kg to 20,000kg
- Robust construction
- A modular system to steer and move loads
- Trolley skates have turntables
- Skates can be joined together to increase capacity
- Nylon or PU rollers with ball bearings
- The load can be pulled and steered by the drawbar
- The floor must be completely smooth and flat in order to move the loads.



Example: 8 t



Load	8 t	12 t	14 t	18 t	20 t
Trolley skate	4 t	4 t	6 t	6 t	8 t
	+	+	+	+	+
Skate	2 x 2 t	2 x 4 t	2 x 4 t	2 x 6 t	2 x 6 t

Floor Handling Equipment

top mechanical toe Jacks

The top mechanical toe jacks have a back and forth action on the handle to allow them to be operated in confined spaces.

With 100% capacity on both head and toe the Top jacks are designed for ultimate usage and can be operated in either vertically or horizontally.

- WLL 1.500 kg to 10.000 kg
- Robust steel construction
- Vertical and horizontal operation
- Load capacity 100% on the head or toe
- Crank with folding handle
- Back and forth action on the handle



hydrofor™ hydraulic toe jack

- WLL 5000kg to 25000kg
- Heavy duty operations from one of the lightest jacks on the market
- Vertical and horizontal functionality
- Full lifting capacity on head or toe
- Pressure limit device prevents overload for safe operation
- Screw release valve for easy and controlled lowering
- 360 degree swivel of the jack body for ease of positioning
- Handle rotates through 180 degrees

