



Catalog 2023

Lifting & Handling | Measure & Control
Height Safety

Export



www.tractel.com

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® 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 (Scandclimber®), 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 80 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 peoples.

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



ESG – Environmental, Social and Governance Policy

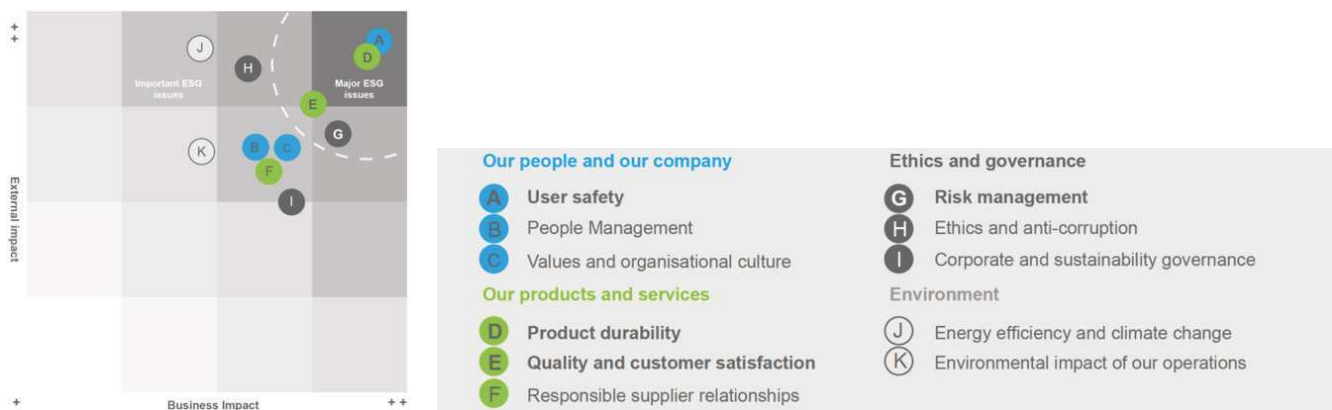
The Tractel Group has set-up an ambitious Environment, Social and Governance (ESG) policy. Our ESG policy commits us collectively to do more for people, society and the environment. We are convinced that those who share our ambition, be they customers, suppliers, shareholders or employees, will join us in this positive dynamic.

Our ESG policy was designed taking into account, among others, the European Non-Financial Reporting Directive, the upcoming Corporate Sustainability Reporting Directive (CSRD) and the UN Sustainable Development Goals.

Our ESG policy covers 11 focus areas that are grouped in 4 main pillars.



We set our priorities based on the dual materiality analysis shown below.



All 11 areas are covered by a detailed action plan, shared with, and owned by, company managers.

Our results are measured by 32 KPIs, ranging from CO2 emissions to work accidents and complaints-handling times. Each has a target by 2025.

SALES ORGANISATION

All our products are meant for professional use only.

Minimum value per order € 100 Net. Our supplies are manufactured according to the terms shown on our order acknowledgment, a copy of which is available on request. We reserve the right to modify, without prior notice, the characteristics, the equipment, the prices and Sales Conditions of our products. Our delivery time will be indicated on our order acknowledgment.

EXPORT DEPARTMENT

(sales and marketing)

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Product ranges

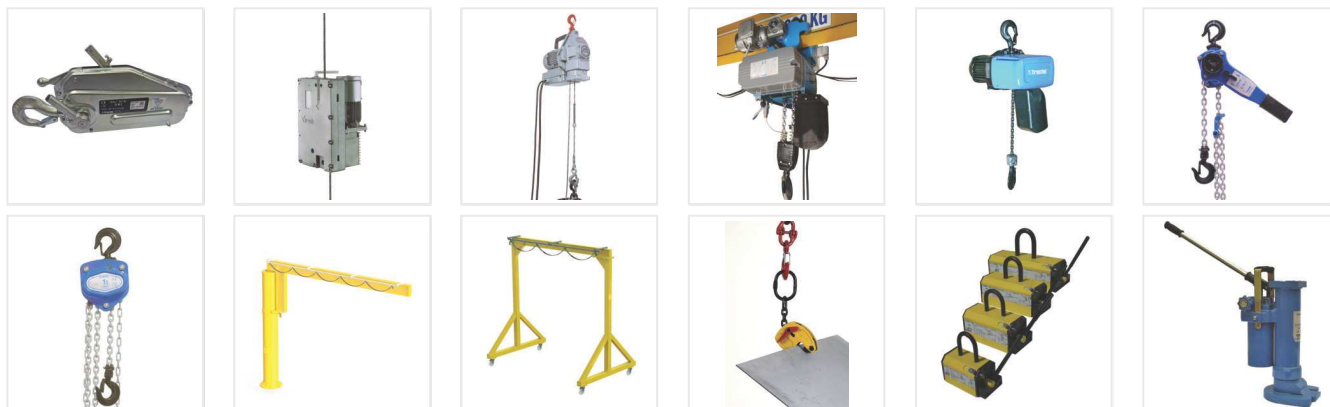
Height Safety Products & Systems



Load Measurement and Control



Lifting and Handling



Temporary & Permanent Access



Traceability platform

Instant access to key product information

Introducing **Tractel**®'s new product information and traceability platform – an exciting new tool giving you instant access to a range of technical information related to your product.

Simply use a QR code reader to scan the identification label on the product or packaging to gain access to the information you need; direct to your phone, tablet or computer.



Packaging product label
(on packaging)



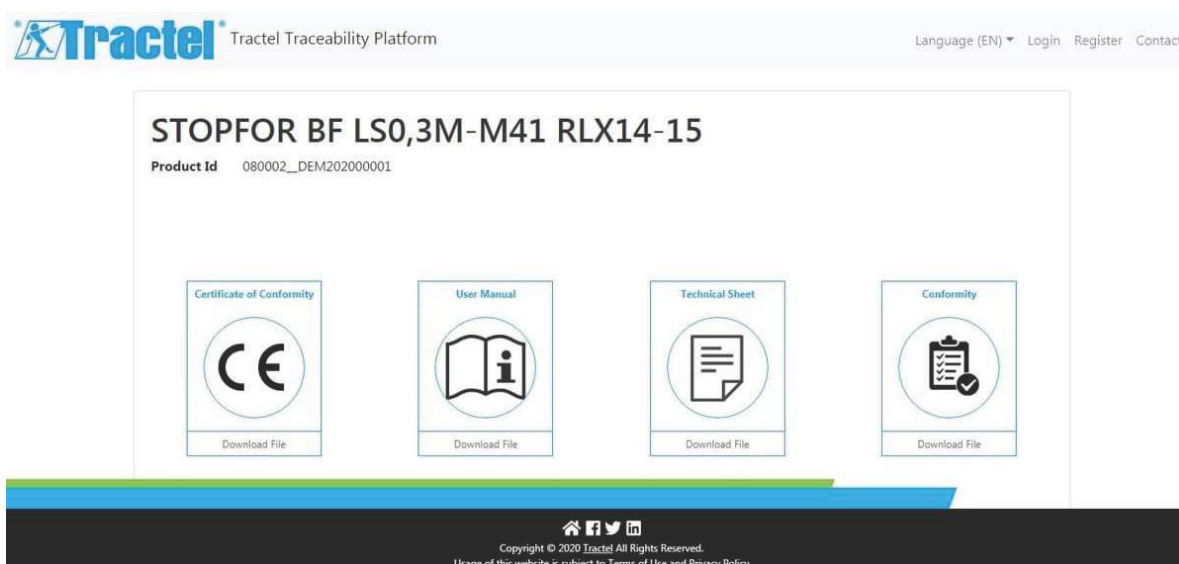
Product label
(on product)



EAN Code label
(on packaging)

Instant access to:

- **Product Identification information** (batch & serial number, manufacturing date etc).
- **Product Data** (available to download to your device):
 - Certificate of Conformity (Notified body product certificate)
 - User manual
 - Technical data sheet
 - Declaration of conformity
- **Traceability system**
 - TRACTEL® service information : summary of service performed by TRACTEL®
 - Possibility to register & trace the key life events of the equipment: date of the first use, attribution of the equipment to a user, periodic inspection, maintenance operation, disposal, etc...



Traceability platform

How to use it ?

- 1 Download a free QR code scanner on your smartphone, tablet or computer.



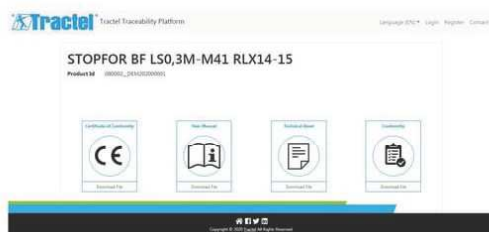
Example :
QR Code Reader for Android

- 2 Open the QR Code Scanner app and scan the code on the packaging or product.



You will be redirected to a special Tractel® website with a webpage dedicated to your product.

- 3 Find all the relevant information of the product you scanned.



Available downloads in PDF format:

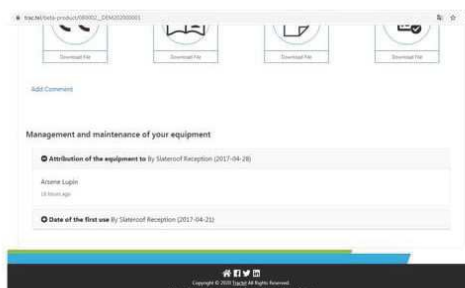
- Identification information of the product: batch & serial number, manufacturing date.
- Certificate of Conformity (Notified body product certificate)
- User manual
- Technical data sheet
- Declaration of conformity

- 4 Register to have immediate access to advanced functionalities.



- Details to create an account:
 - Name
 - E-mail address
- Create a password to secure your account.

- 5 Enter and track the key life information of your product.



- Date of the first use
- Attribution of the equipment to a user
- Periodic inspection
- Maintenance Operation
- Disposal

Summary

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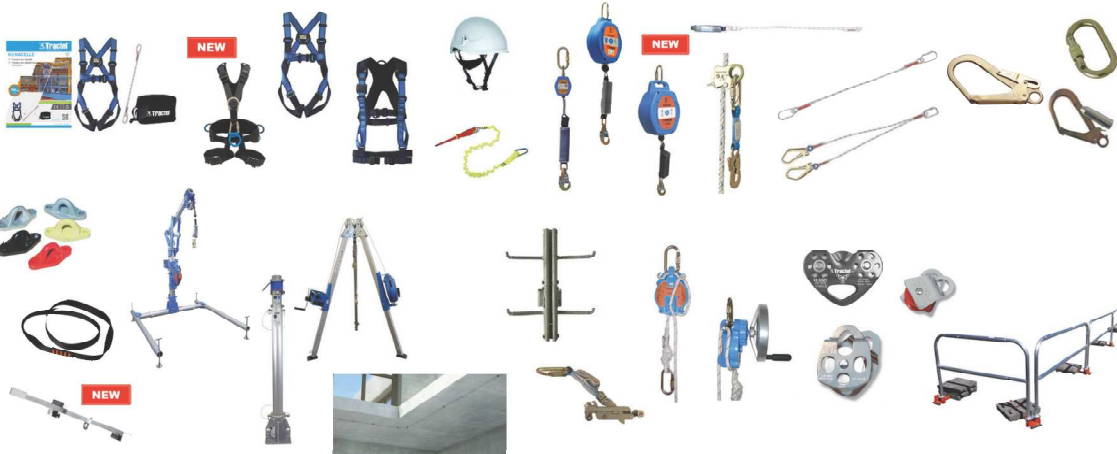
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1. Lifting and handling



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.
- 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.

Legal and regulatory framework :

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

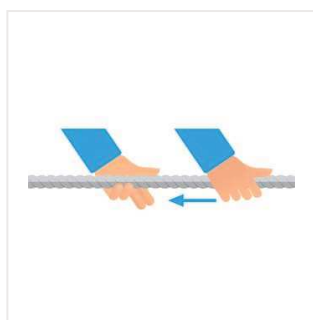
Wire Rope Hoists





Tirfor®

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



The Tirfor principle

- Two jaws alternatively pull the wire rope and the load in the required direction, like pulling a rope hand over hand.
- The jaws are self-gripping providing safe operation.
- The heavier the load, the tighter the jaws will grip.
- By operating the unlocking mechanism, the wire rope can be inserted or removed from between the jaws.

Multifunctional

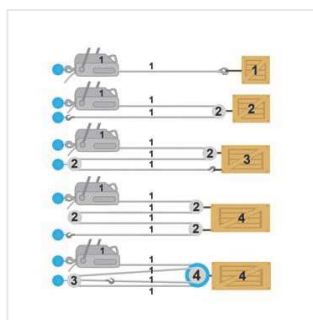
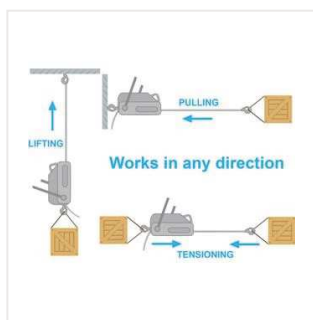
- Work can be carried out in any direction: horizontally, vertically or at an angle.
- No theoretical limit to the wire rope length.
- Manually operated for use almost anywhere.
- Motorised versions available.

Safe and reliable

- Constant control over loads during lifting and lowering with millimetre accuracy.
- When the hoist stops, 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.
- When calculating the WLL for sheaved systems, allow for a WLL loss of 4% per sheave block, caused by friction.



Tirfor TU



TU 8



TU 16



TU 32



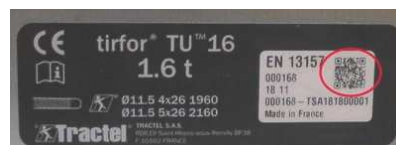
The Tirfor TU series is developed for daily heavy-duty applications under the most extreme circumstances.

The Tirfor TU hoist is a versatile and portable multi-purpose manual hoist for lifting, pulling and positioning. 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 equaled!

TU range is fully compliant with EN13157.



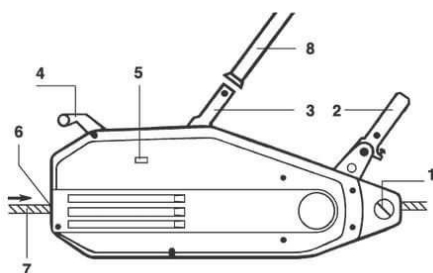
Tracinfo is our product information and documentation platform that gives you access to the documents you require wherever you are. Simply use a QR code reader to scan the identification label on the product or packaging to access a micro website specific to the product where you can download documents such as the User Manual or the Declaration of Conformity - direct to your phone, tablet or computer.

New – you can now also register the details of periodic inspections and maintenance work in Tracinfo and get automatic reminders when the next inspection is due.

tirfor® TU	1,600 kg		1 600 kg		3 200 kg	
	Model	ref.	Code	ref.	Code	ref.
	Standard equipment (with 20 m of wire rope)	tirfor® TU 8 - with 20m wire	58279	tirfor® TU 16 - with 20m wire	58379	tirfor® TU 32 - with 20m wire
	Tirfor alone	tirfor® TU 8 - product only	18009	tirfor® TU 16 - product only	18029	tirfor® TU - product only
	Safety shear pin, unity	shear pin for TU8 & TU16	8836	shear pin for TU8 & TU16	8836	shear pin for TU 32

Made in France

WLL	Length (cm)	Height (cm)	Depth (cm)	Length With Hook	Lever In/Out (mm)	Movement Back (mm)	Movement Forward (mm)	Wire Rope Diameter (mm)	Weight (kg)
800	527	265	108		395/620	70	76	8,3	8,4 kg
1,600	660	330	140		680/1190	56	70	11,5	18 kg
3,200	676	330	156	860	680/1190	30	48	16,3	27 kg



1. Hook / anchor pin
2. Forward operating lever
3. Reverse operating lever
4. Rope release lever
5. Rope release safety catch
6. Rope guide
7. Wire rope
8. Telescopic operating handle

Maxiflex™ Wire Rope

Wire Rope Type	C8	C12	C16
Description	ø 8,3 mm	ø 11,5 mm with hook	ø 16,3 mm with hook
Length	Code	Code	Code
10 m	1939	2039	2359
15 m	1949	2049	2369
20 m - Standard	1959	2059	2379
25 m	1969	2069	2389
30 m	1979	2079	2399
35 m	61309	60639	60819
40 m	1989	2099	2409
45 m	61319	60649	60829
50 m	1999	2119	2419
55 m	61329	60659	60839
60 m	2009	2139	2429

Made in France

Other lengths :

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

Type de câble d'acier	C8 (pour TU-8)	C12 (pour TU 16)	C16 (pour TU 32)
Description	ø 8,3 mm with hook	ø 11,5 mm with hook	ø 16,3 mm
Length	Code	Code	Code
Start kit	238387	238397	238407
m.	239667	238507	238517

Made in France

REELERS AND DRUMS FOR TIRFOR WIRE ROPES

Modèle	C8 - ø 8.3 mm	C12 - ø 11.5 mm	C16 - 16.3 mm	Code produit
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

Maxiflex™ Wire Rope

Type de câble d'acier	C8 (pour TU 8)	C12 (pour TU 16)	C16 (pour TU 32)
Description	ø 8.3mm	ø 11,5mm	ø 16.3 mm
Length	Code	Code	Code
10 m	20569	60719	61089
15 m	54129	60729	61099
20 m - Standard	20589	60739	61109
25 m	20599	60749	61119
30 m	20609	60759	61129
35 m	20619	199659	61139
40 m	20629	60769	61149
45 m	199639	60779	199679
50 m	54199	60789	61159
55 m	199649	199669	199689
60 m	20659	60799	61169

Made in France

Other lengths :

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

Type de câble d'acier	C8 (pour TU-8)	C12 (pour TU 16)	C16 (pour TU-32)
Description	ø 8.3mm	ø 11,5mm	ø 16.3mm
Length	Code	Code	Code
Start kit	239957	239967	239977
m	239667	238507	238517

Made in France

REELERS AND DRUMS FOR TIRFOR® WIRE ROPES

Capacité d'enroulement du câble Modèle	C8 - Ø 8.3 mm	C12 - Ø 11.5 mm	C16 - 16.3 mm	Code produit
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
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Drum No. 400	201 - 300 m	151 - 200 m	76 - 100 m	858

Tirfor T500

- 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 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
- Load capacity from 800 - 3200 kg
- Full range of accessories are available – sheave blocks, diverter pulleys, ground anchors and reels



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T508



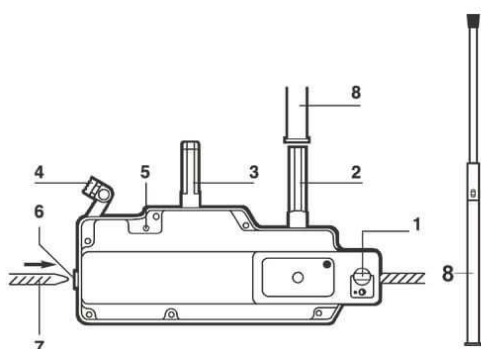
T516



T532

Tirfor T500	1,600 kg		3,200 kg		800 kg	
Model	ref.	Code	ref.	Code	ref.	Code
Standard equipment (with 20 m of wire rope)	T508 D - with 20m wire	58329	T516 D - with 20m wire	58439	T532 D - with 20m wire	58519
Tirfor alone	T508 D - product only	18109	T516 D - product only	18119	T532 D - product only	18129
Safety shear pin, unity	Safety shear pin - tirfor® T508	29506	Safety shear pin - tirfor® T516	29516	Safety shear pin - tirfor® T532	41206

Made in France



1. Hook / anchor pin
2. Forward operating lever
3. Reverse operating lever
4. Rope release lever
5. Rope release safety catch
6. Rope guide
7. Wire rope
8. Telescopic operating handle

Front hook CAL for T500

Front hook CAL for T500	800 kg		1 600 kg		3 200 kg	
	Model	ref.	Code	ref.	Code	ref.
Front hook CAL for T500	swivel hook for T508 rotatable	21857	swivel hook for T516 rotatable	21867	swivel hook for T532 & TU32, rotatable	21877

Tirfor T500

Maxiflex™ Wire Rope

Wire rope type	C8 (for T508)	C12 (for T516)	C16 (for T532)
Description	ø 8,3 mm	ø 11,5 mm with hook	ø 16,3 mm with hook
Length	Code	Code	Code
10 m	1939	2039	2359
15 m	1949	2049	2369
20 m - Standard	1959	2059	2379
25 m	1969	2069	2389
30 m	1979	2079	2399
35 m	61309	60639	60819
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50 m	1999	2119	2419
55 m	61329	60659	60839
60 m	2009	2139	2429

Made in France

Other lengths :

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

Wire rope type	C8 (for T508)	C12 (for T516)	C16 (for T532)
Description	ø 8,3 mm with hook	ø 11,5 mm with hook	ø 16,3 mm
Length	Code	Code	Code
Start kit	238387	238397	238407
m.	239667	238507	238517

Made in France

REELERS AND DRUMS FOR TIRFOR WIRE ROPES

Drum capacity Model	C8 - ø 8.3 mm	C12 - ø 11.5 mm	C16 - 16.3 mm	Code produit
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
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Tirfor T500

Maxiflex™ Wire Rope

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Made in France

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Length	Code	Code	Code
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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



Tirfor Accessoires



Ground screw anchor

A quick and simple ground anchor point for Tirfor by screwing the anchor into soft ground.

Model	WLL	Product Code
HAA anchor for Tirvit and Jockey	500	5589
HAB anchor for tirfor® TU8 / T508	800	3779
HAC anchor for tirfor® TU16 / T516	1,600	3789
HAD anchor for tirfor® TU32 / T532	3,200	3799



Ground anchor with pins

A more robust ground anchor point for Tirfor using 2 connecting plates with 8 pins or 3 connecting plates with 12 pins which are driven into the ground.

Model	Description	Weight (kg)	Product Code
Model 1	2 connecting plates with 8 pins and 3t shackle	36	13599
Model 2	3 connecting plates with 12 pins and 5t shackle	54	13609



Tirfor Accessories

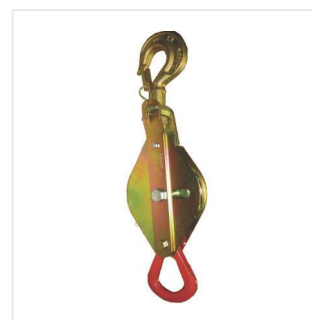
EC Snatch Block

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
EC1.6-100E9	80/100	8-9	1,600	2.2 kg	80689
EC3.2-160E12	132/160	10-12	3,200	4.8 kg	80699
EC5-200E15	160/200	13-15	5,000	9.3 kg	80709
EC8-250E18	210/250	16-18	8,000	19.4 kg	80719



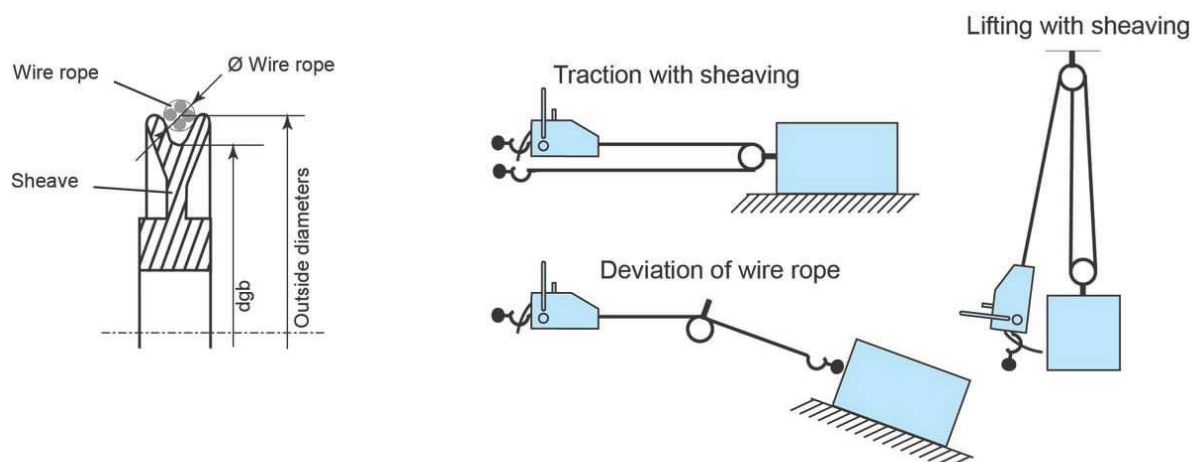
EGZ Snatch blocks for wire rope cables

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Product Code
E303GZ	80/100	8/9	1,000	101829
E305GZ	80/100	8/9	1,000	252119
E460GZ	132/160	7.5/8.3	2,400	101839
E313GZ	132/160	10/12	2,000	105629
E470GZ	160/200	10/11.5	4,800	101849
E323GZ	160/200	13/15	3,200	192859
E490GZ	160/200	13/15	5,000	192869
E333GZ	210/250	16/18	5,000	192879
E480GZ	275/336	14/16.3	6,400	101859
E347GZ	275/336	21/23	8,000	192889



Made in France

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.

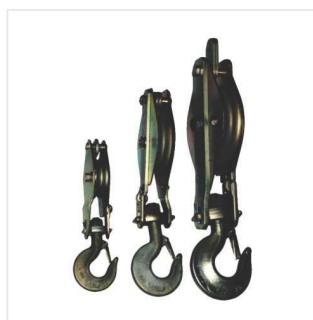
Sheaving factor is applied on wire rope diameters. The results correspond to the outside diameters of the sheave.

Example:

Wire rope diameters = 10 mm used with winch class M1

Outer sheave diameter = $10 \text{ mm} \times 12 = 120 \text{ mm}$

Diameter of groove base = $120 \text{ mm} - 10 \text{ mm (wire rope)} = 110 \text{ mm}$



EH Snatch Block

Modèle	Øfdg* / Øext réa (mm)	Ø câble / chaîne (mm)	CMU (kg)	Poids (kg)	Code produit
E303H	80/100	8-9	1,000	3	80869
E347H	275/336	21-23	8,000	34	80949
E480H	275/336	14-16.3	6,400	34	81009
E333H	210/250	16-18	5,000	22	80929
E490H	160/200	13-15	5,000	17	81029
E470H*	160/200	10-11.5	3,200	18	80989
E323H	160/200	13-15	3,200	18	80909
E313H	132/160	10-12	2,000	8.5	80889
E460H*	132/160	7.5-8.3	1,600	7	80969
E305H	80/100	8-9	1,000	3	105489

* Fond de gorge

Made in France

Sling B

Model	Wire Rope Diameter (mm)	WLL (t)	Number of Falls	Product Code
sling BB < 1m	8,3	0.8	1	46429
sling BB additional meter	8,3	0.8	1	109467
sling BB < 1m additional meter	8,3	0.8	1	109477
sling BB 1m	8,3	0.8	1	46419
sling BC additional meter	8,3	0.8	1	109447
sling BC 1m	8,3	0.8	1	46439
sling BD additional meter	8,3	0.8	2	109457
sling BD 1m	8,3	0.8	2	46449
sling BE additional meter	8,3	0.8	1	109487
sling BE 1m	8,3	0.8	1	46459
sling BM additional meter	8,3	0.8	1	109437
sling BM 1m	8,3	0.8	1	46469
sling BS additional meter	8,3	0.8	1	109427
sling BS 1m	8,3	0.8	1	46479

Slings

Sling C

Model	Wire Rope Diameter (mm)	WLL (t)	Number of Falls	Product Code
sling CB < 1m additional meter	11,5	1.6	1	109547
sling CB < 1m	11,5	1.6	1	46499
sling CB additional meter	11,5	1.6	1	109537
sling CB 1m	11,5	1.6	1	46489
sling CC additional meter	11,5	1.6	1	109517
sling CC 1m	11,5	1.6	1	46509
sling CD additional meter	11,5	1.6	2	109527
sling CD 1m	11,5	1.6	2	46519
sling CE additional meter	11,5	1.6	1	109557
sling CE 1m	11,5	1.6	1	46529
sling CM additional meter	11,5	1.6	1	109507
sling CM 1m	11,5	1.6	1	46539
sling CS additional meter	11,5	1.6	1	109497
sling CS 1m	11,5	1.6	1	46549

Sling D

Model	Wire Rope Diameter (mm)	WLL (t)	Number of Falls	Product Code
sling DB 1m	16,3	3.2	1	46559
sling DB < 1m	16,3	3.2	1	46569
sling DB <1m additional meter	16,3	3.2	1	109617
sling DB additional meter	16,3	3.2	1	109607
sling DC 1m	16,3	3.2	1	46579
sling DC additional meter	16,3	3.2	1	109587
sling DD 1m	16,3	3.2	2	46589
sling DD additional meter	16,3	3.2	2	109597
sling DE additional meter	16,3	3.2	1	46599
sling DE additional meter	16,3	3.2	1	109627
sling DM 1m	16,3	3.2	1	46609
sling DM additional meter	16,3	3.2	1	109577
sling DS 1m	16,3	3.2	1	46619
sling DS additional meter	16,3	3.2	1	109567

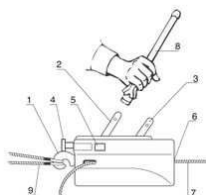
Jockey



J3



J5



- 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

Model	WLL	Length (mm)	Height (mm)	Depth (mm)	Wire Rope Diameter (mm)	Movement Back (mm)	Movement Forward (mm)	Lever	Weight (kg)	Product Code
Jockey J3	300	320	200	40	4,7	28	32	400	1,75	5469
Jockey J5	500	310	215	55	6,5	24	34	500	3,75	5479

Made in France

Wire rope Ø 4.7, & 6.5 mm for Jockey

Model	Length (m)	Product Code
J	10 m	5839
J	20 m	4039
K	10 m	7429
K	20 m	7439

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

Model	Product Code
J	238417
J	238527
K	238427
K	238537

Pulley for Jockey

Model	Product Code
Pulley A03	7479

Made in France

Tirvit - Tension clamps - Accessories



Tirvit Rope Tensioner

Model	WLL	Wire Rope Diameter (mm)	A	B	C	Movement Back (mm)	Weight (kg)	Weight Without Rope	Product Code
F2	400	6-8	535	88	653	140	4	3,6	1029
F3	600	7-15	625	110	730	135	5,2	4,75	1039
F4	800	14-18	625	115	720	145	6,2	5,7	1049



Tirvit tension clamp

Modèle	CMU (kg)	Pour fils ou câble diam. (mm)	Code produit
G2	400	6 - 8	1018
G3	600	7 - 15	1028
G4	800	14 - 18	1038

Made in France



Coniclamp wire rope clamp

Model	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
EC 10	5 - 10	1,000	1.2	1279
EC 14	10,5 - 14	2,000	2.6	1299
EC 21	15 - 21	3,000	5.4	1319



Ground anchor for Jockey

Model	Product Code
Ground anchor for jockey™	5589

Supertirfor TU-16H and TU-32H

Supertirfor TU-16H

Model	Product Code
Supertirfor TU-16H - 1 way	199249
Supertirfor TU-16H - 2 ways	199259
Supertirfor TU-16H - 4 ways	199269



Made in France



Supertirfor TU-32H

Model	Product Code
Supertirfor TU-16H - 1 way	199279
Supertirfor TU-16H - 2 ways	199289
Supertirfor TU-16H - 4 ways	199299



Tirfor TU-H Series - Single equipments

Model	WLL	Length (cm)	Height (cm)	Width / Diameter (cm)	Lever In/Out (mm)	Weight (kg)	Product Code
TU-16H	1,600	788	360	185	68/119	28	398
TU-32H	3,200	1070	430	204	68/119	54,1	4748



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

Supertirfor TU-16H and TU-32H

Accessories

Hydraulic Power Pack

Model	Product Code
HPP 1W	8488
HPP 2W	1548
EPP 4W	1558
HPP 2W with engine & control block	4768
HPP 4W with engine & control block	4778

Hydraulic tubes

Model	Product Code
1 pair, NW 10,3 mm	6158

Hydraulic cylinder

Model	Product Code
VA2 for TU-16H	1138
VA3 for TU-32H	8678

Hydraulic Oil, 18 L

Model	Product Code
hydraulic oil, 18 l	107320

Supertirfor TU-16H and TU-32H

Tube set

tube set Ø 10 mm

Model	Product Code
3 m	6158
4 m	56098
5 m	84828
6 m	84838
7 m	56108
8 m	56088
9 m	84848
10 m	84858
11 m	84868
12 m	84878
13 m	56118
14 m	56128

tube set Ø 13 mm

Model	Product Code
15 m	84888
16 m	84898
17 m	84908
18 m	56198
19 m	84918
20 m	84928
25 m	84968
30 m	84978
35 m	84988
40 m	84998

Supertirfor TU-16H and TU-32H

Wire rope

Wire rope 20m

Model	Product Code
Wire rope Ø 11.5 mm, length 20 m	54759

Made in France

Model	Product Code
Wire rope Ø 16.3 mm, length 20 m	54959

Other lengths:

Start Kit + number of meters (in multiples of 5m).

Model	Description	Product Code
Start Kit	Wire rope Ø 11.5 mm	239987
Meter of wire rope	Wire rope Ø 11.5 mm	238547

Made in France

Model	Description	Product Code
Start Kit	Wire rope Ø 16.3 mm	239997
Meter of wire rope	Wire rope Ø 16.3 mm	238557

For wire rope lengths greater than 80 meters and / or in a muffled configuration, consult us.

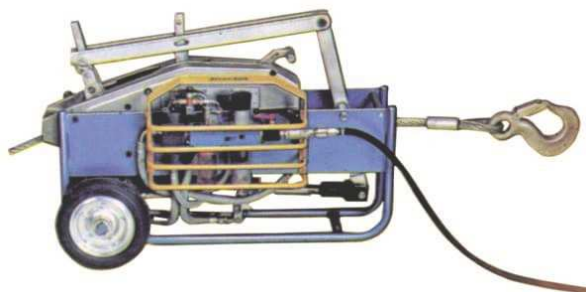


Supertirfor TU-16A and TU-32A

Pneumatic wire rope hoists



Supertirfor TU-16A



Supertirfor TU-32A

Tirfor TU-P Series pneumatic wire rope hoists

Model	WLL	Avg. Consumption (l/min)	Forward Speed (m/min)	Reverse Speed (m/min)	Wire Rope Diameter (mm)	Length (cm)	Height (cm)	Width / Diameter (cm)	Weight (kg)	Product Code
TU-16A	1,600	550	0.5	1.5	11.5	970	400	220	40	77959
TU-32A	3,200	700	0.8	1.8	16.3	940	640	400	88	5909

Made in France

Wire rope 20m

Model	Product Code
Wire rope ø 11.5 mm, length 20 m	54759
Wire rope ø 16.3 mm, length 20 m	54959

Made in France

Other lengths:

Start Kit + number of meters (in multiples of 5m).

Model	Description	Product Code
Start Kit	Wire rope Ø 11.5 mm	239987
Meter of wire rope	Wire rope Ø 11.5 mm	238547
Start Kit	Wire rope Ø 16.3 mm	239997
Meter of wire rope	Wire rope Ø 16.3 mm	238557

Made in France

For wire rope lengths greater than 80 meters and / or in a muffled configuration, consult us.

CaRol EX

Manual drum winch



Wire rope included

New generation compact winch 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 with comfortable and ergonomic grip
- Flexible wire rope exit of more than 250°
- Operating temperature from -10°C to +50°C

Model	WLL	Wire Rope Diameter (mm)	Wire Rope Length (m)	Max effort of the handle	Number of Falls	Product Code
EX 150	150 kg	4 mm	24 m	8	6	279919
EX 300	300 kg	5 mm	8,5 m	14	3	279929

Made in France

The CaRol manual winches are for installation in permanent locations for lifting or pulling materials.

- WLL up to 3000kg
- Option to release the drum in unloaded position
- Full capacity on all layers of wire rope
- Automatic brake
- Adjustable crank
- Variable anti spin wire rope length depending on load capacity
- CaRol anti spin wire rope winches are available in different versions
- Winch with spur gearing
- Winch with worm gearing
- The anti spin wire rope is wound onto the drum by turning the crank



Carol TS



Carol TR

CaRol TS series

Model	WLL	Wire Rope Diameter (mm)	Max effort of the handle	Rope Capacity (m)	Rope Length Always Wrapped On The Drum (m)	Dimensions	Weight (kg)	Product Code
TS 250	250	5	11	15	0,6	206 x 140 x 142	9,5	23818
TS 500	500	7	14	18	0,7	233 x 162 x 175	15	23828
TS 1000	1,000	9	14	30	1,0	322 x 302 x 302	38	23838
TS 1500	1,500	11,5	14	23	1,0	370 x 350 x 330	41,5	23848
TS 2000	2,000	13	14.5	17	1,2	420 x 356 x 390	70	23858
TS 3000	3,000	16	15	18.5	1,7	530 x 480 x 450	150	23868

Wire rope page 34

CaRol TR series

Model	WLL	Wire Rope Diameter (mm)	Max effort of the handle	Rope Capacity (m)	Rope Length Always Wrapped On The Drum (m)	Dimensions	Weight (kg)	Product Code
TR 300	300	5	12.5	38	0,75	249 x 124 x 190	15,5	23778
TR 500	500	7	12.5	18	0,75	249 x 162 x 175	16	23788
TR 1000	1,000	9	14.5	30	1,00	410 x 180 x 305	44.5	23798
TR 2000	2,000	13	16.5	25	1,20	510 x 248 x 360	80	23808

Wire rope page34

CaRol MO

Electric winch



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

- Direct order (use protected from bad weather)
- Mechanical parts machined and protected by cataphoresis
- Drum in mechanically welded steel
- Grease bath gearbox with helical gears
- 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 (m/min)	Wire Rope Diameter (mm)	Wire Rope Length (m)	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

Wire rope page34

Made in France

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 condenser 50 Hz lifting type, P = 0,75 or 1,1 kW according to the model
- Class F - Protection IP 54
- Reducer sealed in oil bath with helical gears
- Welded steel drum with large flanges enabling a reliable outlet of the rope
- Working load limit for 1st drum layer

Safety:

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

Model	WLL	Wire Rope Diameter (mm)	Wire Rope 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	1,000	8	68	90	1.1 mono	206978
caRol™ TE 1000 kg	1,000	8	68	90	1.1 tri	206988
caRol™ TE 2000 kg	2,000	11,5	45	160	2.2 tri	206998

Wire rope page34



wire rope kits

Model	Ø wire rope	Length (m)	Product code
wire rope kit Ø 4 mm, length 10 m	4	10	26419
wire rope Ø 4 mm, additional metre	4	1	270067

Model	Ø wire rope	Length (m)	Product code
wire rope kit Ø 5 mm, length 10 m	5	10	26449
wire rope kit Ø 5 mm, length 20 m	5	20	26459
wire rope kit Ø 5 mm, length 30 m	5	30	26469
wire rope Ø 5 mm additional metre	5	1	270007

Model	Ø wire rope	Length (m)	Product code
wire rope kit Ø 6 mm, length 10 m	6	10	279939
wire rope Ø 6 mm, additional metre	6	1	270077

Model	Ø wire rope	Length (m)	Product code
wire rope kit Ø 7 mm, length 10 m	7	10	26479
wire rope kit Ø 7 mm, length 20 m	7	20	26489
wire rope kit Ø 7 mm, length 30 m	7	30	26499
wire rope Ø 7 mm, additional metre	7	1	270017

Model	Ø wire rope	Length (m)	Product code
wire rope kit Ø 8 mm, length 10 m	8	10	26509
wire rope kit Ø 8 mm, length 20 m	8	20	26519
wire rope kit Ø 8 mm, length 30 m	8	30	26529
wire rope Ø 8 mm, additional metre	8	1	270087

Model	Ø wire rope	Length (m)	Product code
wire rope kit Ø 9 mm, length 10 m	9	10	26539
wire rope kit Ø 9 mm, length 20 m	9	20	26549
wire rope kit Ø 9 mm, length 30 m	9	30	26559
wire rope Ø 9 mm, additional metre	9	1	270027

Model	Ø wire rope	Length (cm)	Product code
wire rope kit Ø 11,5 mm, length 10 m	11.5	10	26569
wire rope kit Ø 11,5 mm, length 20 m	11.5	20	26579
wire rope kit Ø 11,5 mm, length 30 m	11.5	30	26589
wire rope Ø 11,5 mm additional metre	11.5	1	270037

Model	Ø wire rope	Length (cm)	Product code
wire rope kit Ø 13 mm, length 10 m	13	10	26599
wire rope kit Ø 13 mm, length 20 m	13	20	26609
wire rope kit Ø 13 mm additional metre	13	1	270047

Model	Ø wire rope	Length (cm)	Product code
wire rope kit Ø 16 mm, length 10 m	16	10	26629
wire rope kit Ø 16 mm additional metre	16	1	270057



Wire rope included

Altotir hoists are motorised hoists with a steel cable drum. They allow loads to be lifted. The hoist is installed on a swing jib, which in turn is installed on a scaffold tube. The device is operated by a button pendant control box with emergency stop.

Hoist for lifting loads; quick installation on scaffold tube.

- Model capacity 200kg
- Height of Lift 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 (m)	Wire Rope Diameter (mm)	Product Code
Altotir	200 kg	35 m	5 mm	261579

Options	Code produit
Door / ceiling prop	231757
Window prop	231767





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 500 m - 433 Mhz.

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



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.
- Handle for easy carrying
- Power supply 230 VAC or 400 VAC. Can be used in any working environment.
- Wire rope or kernmantle rope version.
- Quick and easy installation and includes a swivel eye hook
- In conformity with Machinery Directive 98/37/EC and the European EN 292 standard.
- WLL can be increased to a maximum of 950kg using an
- Unique lifting capacity/self-weight ratio
- Unlimited wire rope length
- Reliable and easy to use
- Working load can be increased by using optional sheaving kit
- Up and down limit switches
- Optional reelers
- Optional remote control
- Strong, robust and versatile (IP55)



Minifor with plug-in pendant control box



Minifor TR10 - TR30

Minifor TR30S - TR50

Model	WLL (kg)	Forward Speed (m/min)	Voltage (V)	Number of Phases	Power (kW)	Weight (kg)	Product Code
TR10	100	15	230	1 (monophased)	0,37	20	279719
TR30	300	5	230	1 (monophased)	0,37	20	279729
TR30S	300	13	230	1 (monophased)	1,1	32	279739
TR30S	300	13	400	3 (triphased)	1,1	32	279749
TR50	500	7	230	1 (monophased)	1,1	32	279759
TR50	500	7	400	3 (triphased)	1,1	32	279769
TR55	550	7	230	1 (monophased)	1,1	32	286869
TR55	550	7	400	3 (triphased)	1,1	32	286889
TR110	1,100	3,5	230	1 (monophased)	1,1	32	286909

Autres longueurs de BaB en option page 41



Made in France

Minifor with plug-in pendant control box and spring-loaded reeler

Wire included



Model	WLL (kg)	Forward Speed (m/min)	Voltage (V)	Number of Phases	Power (kW)	Weight (kg)	Product Code
TR10 - 20m	100	15	230	1 (monophased)	0,37	38	279599
TR30 - 20m	300	5	230	1 (monophased)	0,37	38	279629
TR10 - 40m	100	15	230	1 (monophased)	0,37	42	279619
TR30 - 40m	300	5	230	1 (monophased)	0,27	42	279649



Made in France

OPTION: choice of a plug-in pendant control box

Model	Length (cm)	Product Code
	4	270487
	5	270497
	6	270507
	7	270517
	8	270527
	9	270537
	10	270547
	11	270557
	12	270567
	13	270577
	14	270587
	15	270597
	16	270607
	17	270617
	18	270627
	19	270637
	20	270647
	25	270657

Control cable extension

Model	Product Code
Control cable extension with Harting plug 10 m	106287
Control cable extension with Harting plug 15 m	112347
Control cable extension with Harting plug 20 m	113197



Minifor with radio control



Minifor TR10 - TR30

Minifor TR30S - TR50

Modèle	CMU (kg)	Vitesse (m/min)	Voltage (V)	Nombre de phases	Puissance (kW)	Poids (kg)	Code produit
TR10	100	15	230	1 (monophased)	0,37	24	42799
TR30	300	5	230	1 (monophased)	0,37	24	42899
TR30S	300	13	230	1 (monophased)	1,1	37	44759
TR30S	300	13	400	3 (triphased)	1,1	33	44789
TR50	500	7	230	1 (monophased)	1,1	37	44879
TR50	500	7	400	3 (triphased)	1,1	34	44919
TR55	550	7	230	1 (monophased)	1,1	32	286879
TR55	550	7	400	3 (triphased)	1,1	32	286899
TR110	1,100	3,5	230	1 (monophased)	1,1	32	286919

Made in France

Minifor with radio control and spring-loaded reeler

Wire included



Modèle	CMU (kg)	Vitesse (m/min)	Voltage (V)	Nombre de phases	Puissance (kW)	Poids (kg)	Code produit
TR10 - 20m	100	15	230	1 (monophased)	0,37	41	279659
TR30 - 20m	300	5	230	1 (monophased)	0,37	41	279689
TR10 - 40m	100	15	230	1 (monophased)	0,37	42	279679
TR30 - 40m	300	5	230	1 (monophased)	0,27	42	279709

Made in France

Minifor

Sheaving kits & accessories

Sheaving kit for Minifor

Model	Product Code
sheaving kit TR10/TR30 with safety hook	217897
sheaving kit TR30S/TR50 with safety hook	217887

Box for Minifor TR

Coffret métallique	Code produit
Box for Minifor with rope (all models) 580x375x355	60665
Box for Minifor TR 10/TR 30	60485
Box for Minifor TR 30S/TR 50	102715



Model	Product Code
Mono electric cable - extension	3341
Tri electric cable - extension	3421

Coil for cable

Model	Product Code
Coil for cable	22107

Wire rope 6.5 mm with hook

Model	Product Code
10 m	24719
15 m	61219
20 m	24729
25 m	61229
30 m	24739
35 m	61239
40 m	24749
45 m	61249
50 m	24759
55 m	199699
60 m	24769
65 m	61269
70 m	24779
75 m	61279
80 m	24789

Made in France

Other lengths :

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

Model	Product Code
Start kit	238437
m.	238567

Made in France

Wire rope 6.5mm with rotative hook

Model	Product Code
10 m	193989
15 m	199539
20 m	193999
25 m	199549
30 m	194009
35 m	199559
40 m	194019
45 m	199569
50 m	194029
55 m	199579
60 m	194039
65 m	199589
70 m	199609
75 m	199599
80 m	194049



Made in France

Other lengths :

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

Model	Product Code
Start Kit	238447
m.	238577



Made in France

Minifor TR125 SY

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.

TECHNICAL CHARACTERISTICS :

- 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)



Minifor TR125 SY

Model	WLL	Forward Speed (m/min)	Voltage (V)	Power (kW)	Weight (kg)	Description	Product Code
TR125 SY	125	15 m/min	110	-	21	with pendant control 2,5m	243999
TR125 SY	125	15 m/min	115	-	21	with pendant control 2,5m	245159
TR125 SY	125	30 m/min	230	0,75	20	with pendant control 2,5 m	245169
TR125 SY	125	15 m/min	230	0,37	20	with pendant control 2,5 m	245179
TR125 SY	125	30 m/min	400	0,75	20	with pendant control 2,5 m	245189
TR125 SY	125	30 m/min	230	0,75	20	with control cable and cupling	245229
TR125 SY	125	15 m/min	230	0,37	20	with control cable and cupling	245239
TR125 SY	125	30 m/min	400	0,75	20	with control cable and cupling	245249
TR125 SY	125	15 m/min	230	0,37	20	with radio remote control	245279
TR125 SY	125	30 m/min	230	0,75	20	with radio remote control	245289
TR125 SY	125	30 m/min	400	0,75	20	with radio remote control	245299

Made in France



Minifor TR125 SY



Kernmantel rope for Minifor

Model	Product Code
Kernmantle rope ø 9.4mm, length 20m, hook with safety catch	187228
Kernmantle rope ø 9.4mm, length 20m, self-locking hook	187268
Kernmantle rope ø 9.4mm, length 20m, self-locking swivel hook	187248
sheaving kit	217877

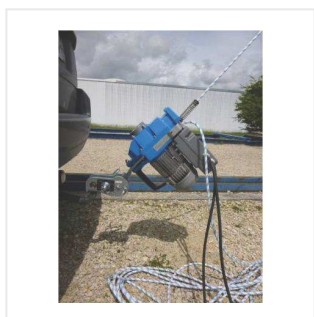
minifor™ SY Series Reel

Model	Product Code
reel - until 100 m	143865
reel - between 100 & 200 m	143875
reel - until 200 m	187278



minifor™ SY series accessories

Model	Description	Product Code
combipro 30l	Combipro, 30l bag for rope up to 100m	20812
combipro 60l	Combipro, 60l bag for rope up to 200m	20822



MTA minifor™ TOWBAR ATTACHMENT

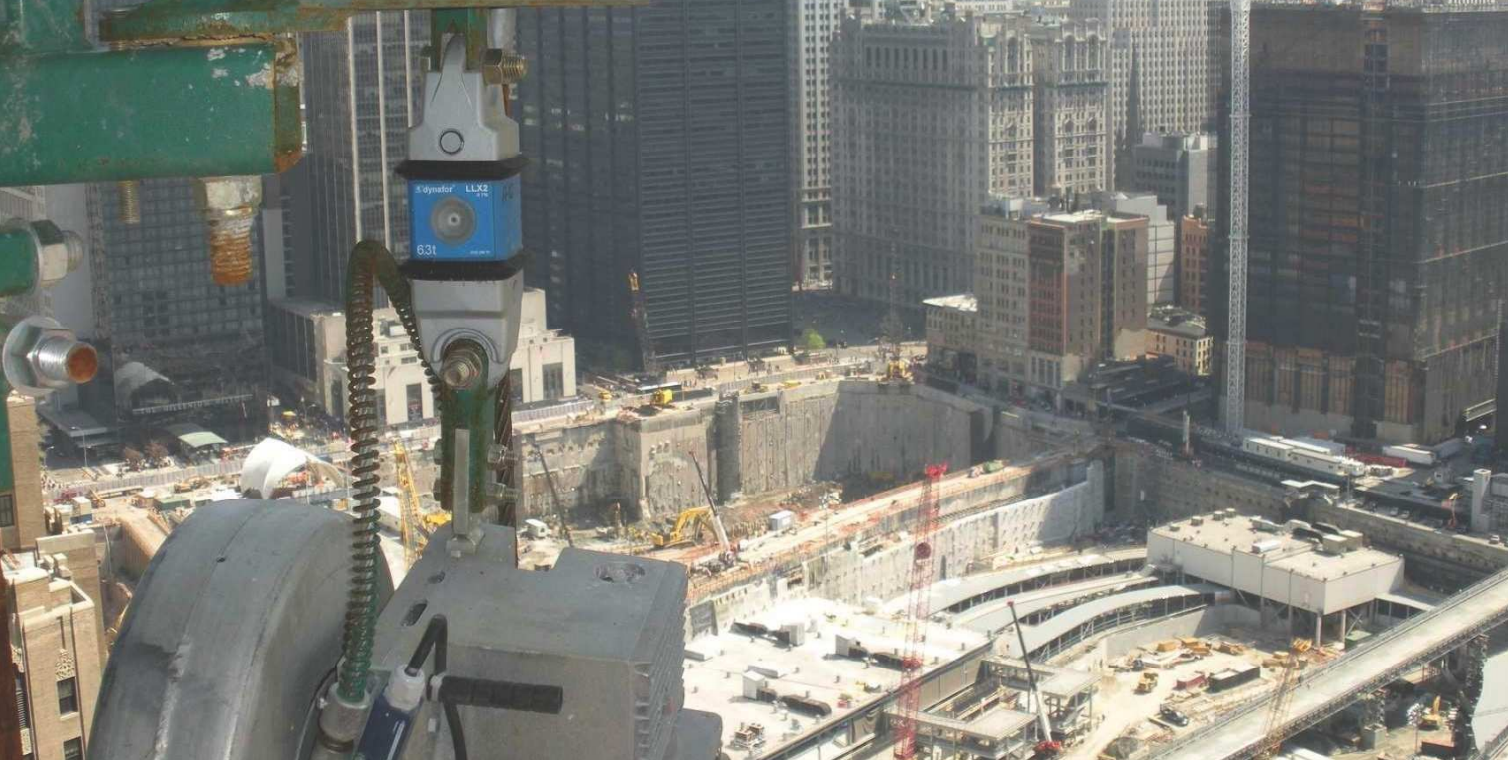
Model	Product Code
MTA Tow bar Adaptor	251279



Box for Minifor SY

Minifor accessories

Model	Product Code
Metal transport box	60665
Plastic transport box	231917



Tirak

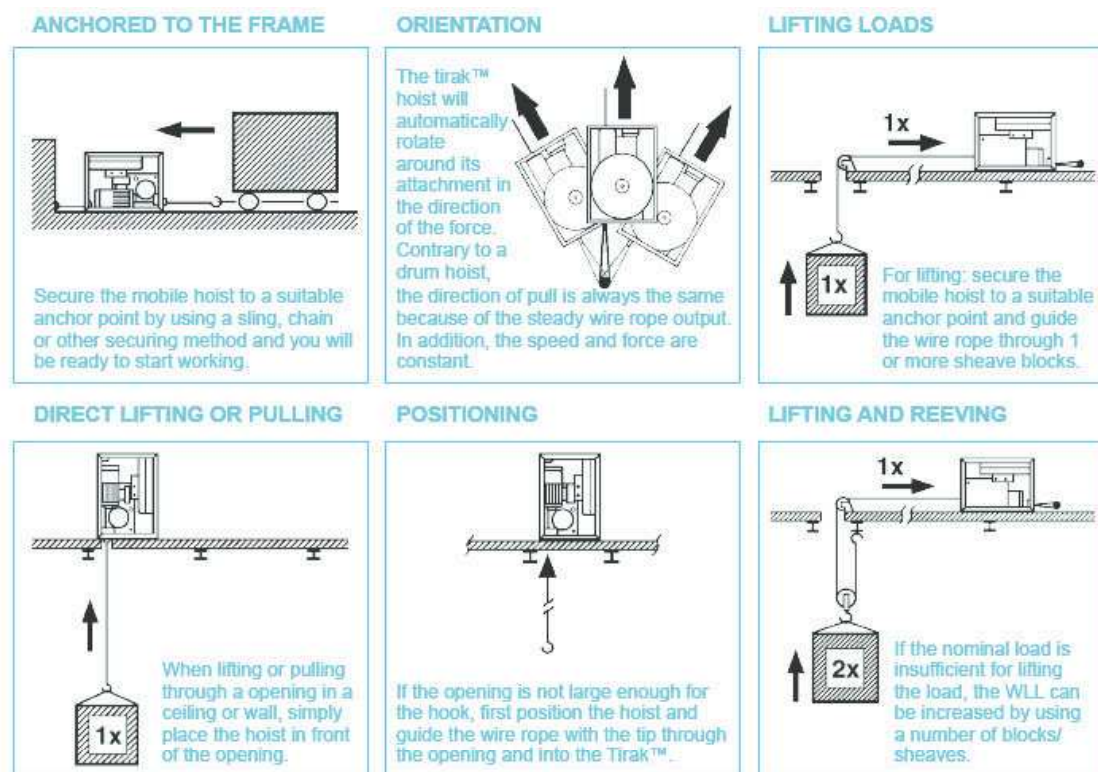
Traction hoists with limitless pulling length for man riding and material lifting

- 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 application & codification



TYPE CODING STRUCTURE, INFINITE POSSIBILITIES

CUSTOMISATION

- Each Tirak is assembled and produced in accordance with customer requirements. We will be happy to advise and support you while assembling the optimal Tirak for your application.
- Type coding structure

L

500 P

X

A

502 P

X

1532

Tirak¹-Type

L = 1 driver disc (lightweight)

X = 1 driver disc

T = 2 driver discs

Capacity
[kg]

3	=	300
4	=	400
5	=	500
6	=	600
8	=	800
10	=	980 ¹⁾
10	=	1000
11	=	1150
12	=	1250 ¹⁾
15	=	1500 ¹⁾
20	=	2000
30	=	3000 ¹⁾

Rope-Ø
[mm]

0	=	8
1	=	6
2	=	9
3	=	10
4	=	11
5	=	14

Working speed
[m/min]

	Kind of motor*	for X 2000 / 3000			
		50 Hz	60 Hz	50 Hz	60 Hz
0 =	3 Ph	9	11	6	7
or air motor or hydraulic motor					
2 =	3 Ph	18	22	12	14
3 =	3 Ph	9/18	11/22	6/12	7/14
4 =	3 Ph	4,5	5,5	4,5	5,4
5 =	3 Ph	4,5/9	5,5/11	3/6	3,5/7
6 =	3 Ph	4,5/18	5,5/22	3/12	3,5/14
7 =	3 Ph	variable speed (0 to 9 / 18 / 30)			
1 =	1 Ph	9	11	—	—

Version

P = Man riding

Kind of motor*:

3 Ph	=	3 phase motor
1 Ph	=	single phase motor

A = Air operated

D = Dual wire rope Tirak

¹⁾ For Material application only

¹⁾ For Material application only

Tirak Hoist for Material Handling

The Tirak by Tractel is the number one motorised traction hoist worldwide. With its rope pass-through design, the Tirak allows for unlimited rope lengths, providing ultimate flexibility. No matter your application, the Tirak ensures safe and reliable lifting.

The T-series

When your application calls for moving material back and forth, the T-series is the ideal solution. Equipped with two traction sheaves, the T-series is capable of pulling both forwards and backwards with the same force.

The X-series

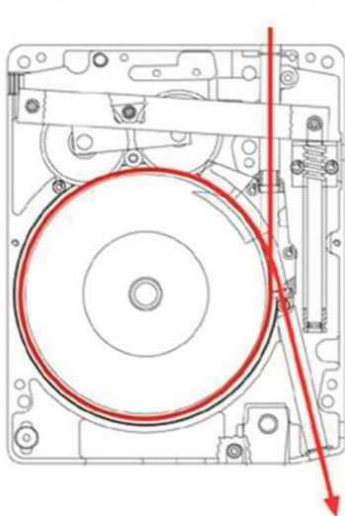
The X-series is the ideal solution for applications that require lifting in only one direction. Built using a single traction sheave, the X-series allows for easy maneuvering of heavy loads.

No matter the position of the load, the Tirak provides constant lifting speed. When you choose Tirak hoists, you are guaranteed:

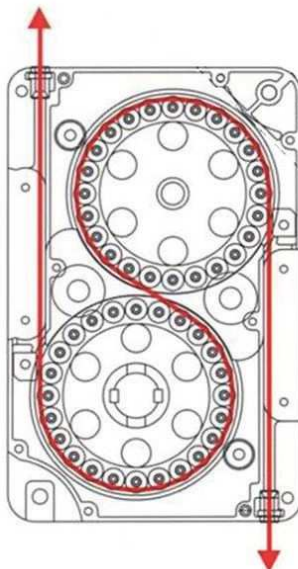
- Quality: combining proven technology with state-of-the-art production methods. Robust, powerful and easy to transport, the Tirak provides the ultimate in efficiency and durability, even in harsh working conditions
- Reliability: low cost of ownership thanks to its unique design and the extremely gentle rope drive which extends rope service life
- Safety: multiple levels of safety built into the hoist. All relevant standards and safety regulations are considered during the development and design of the Tirak.

A complete range of Tirak models offers WLLs from less than 300kg up to 3000kg for material applications.

For more detailed information about the Tirak traction hoist, contact your local Tractel distributor.



X-Serie



T-Serie

Tirak Hoist for Material Handling

with pendant control

X300

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X300	8	300	9	400	50	2	27	hard-wired pendant control	283219
X300	8	300	9	400	50	2	27	pluggable pendant control	283229
X302	8	300	18	400	50	2	27	hard-wired pendant control	283239
X302	8	300	18	400	50	3	27	pluggable pendant control	283249

X400

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X400	8	400	9	400	50	2,5	29	hard-wired pendant control	188669
X400	8	400	9	400	50	2,5	29	pluggable pendant control	283259
X401	8	400	9	230	50	5,7	32	hard-wired pendant control	188699
X401	8	400	9	230	50	5,7	32	pluggable pendant control	283269
X402	8	400	18	400	50	3,8	31	hard-wired pendant control	188679
X402	8	400	18	400	50	3,8	31	pluggable pendant control	283279
X403	8	400	9/18	400	50	2,2/4,5	35	hard-wired pendant control	188689
X403	8	400	9/18	400	50	2,2/4,5	35	pluggable pendant control	283289

X500

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X500	8	500	9	400	50	3	40	hard-wired pendant control	283299
X500	8	500	9	400	50	3	40	pluggable pendant control	283319
X501	8	500	9	230	50	7	49	hard-wired pendant control	283329
X501	8	500	9	230	50	7	49	pluggable pendant control	283339
X503	8	500	9/18	400	50	3,6/6,7	47	hard-wired pendant control	283439
X503	8	500	9/18	400	50	3,6/6,7	47	pluggable pendant control	283449

Infobox:

- pendant control pluggable or hard wired delivered with 3m cable
- upper limit switch built on tirak and hard wired
- delivered with 1m power supply cable

Tirak Hoist for Material Handling

with pendant control

X600

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X600	8	600	9	400	50	4,3	53	hard-wired pendant control	283459
X600	8	600	9	400	50	4,3	53	pluggable pendant control	283469
X601	8	600	9	230	50	10	59	hard-wired pendant control	283479
X601	8	600	9	230	50	10	59	pluggable pendant control	283489
X602	8	600	18	400	50	6,8	57	hard-wired pendant control	283529
X602	8	600	18	400	50	6,8	57	pluggable pendant control	283539
X603	8	600	9/18	400	50	4,5/8,7	66	hard-wired pendant control	283549
X603	8	600	9/18	400	50	4,5/8,7	66	pluggable pendant control	283569

X800

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X800	8	800	9	400	50	4,5	45	hard-wired pendant control	283579
X800	8	800	9	400	50	4,5	45	pluggable pendant control	283589
X802	8	800	18	400	50	8,8	49	hard-wired pendant control	188759
X802	8	800	18	400	50	8,8	49	pluggable pendant control	283599
X803	8	800	9/18	400	50	4/8	49	hard-wired pendant control	188779
X803	8	800	9/18	400	50	4/8	49	pluggable pendant control	283619
X805	8	800	4,5/9	400	50	3/4,2	50	hard-wired pendant control	188769
X805	8	800	4,5/9	400	50	3/4,2	50	pluggable pendant control	283639

X1000

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X1020	9	980	9	400	50	4,6	45	hard-wired pendant control	283649
X1020	9	980	9	400	50	4,6	45	pluggable pendant control	283659
X1023	9	980	9/18	400	50	4,5/8,5	56	hard-wired pendant control	283669
X1023	9	980	9/18	400	50	4,5/8,5	56	pluggable pendant control	283679
X1025	9	980	4,5/9	400	50	3,5/4,8	55	hard-wired pendant control	283699
X1025	9	980	4,5/9	400	50	3,5/4,8	55	pluggable pendant control	283759

Infobox:

- pendant control pluggable or hard wired delivered with 3m cable
- upper limit switch built on tirak and hard wired
- delivered with 1m power supply cable

Tirak Hoist for Material Handling

with pendant control

X1000

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X1026	9	980	4,5/18	400	50	4/9,6	71	hard-wired pendant control	188809
X1026	9	980	4,5/18	400	50	4/9,6	71	pluggable pendant control	283769
X1230	10	1,250	11	400	60	7	49	hard-wired pendant control	283989
X1230	10	1,250	11	400	60	7	49	pluggable pendant control	290869
X1530	10	1,500	9	400	50	7	49	hard-wired pendant control	283889
X1530	10	1,500	9	400	50	7	49	pluggable pendant control	283899

X3000

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X3050	14	3,000	6	400	50	9,9	105	hard-wired pendant control	283939
X3050	14	3,000	6	400	50	9,9	105	pluggable pendant control	283949
X3052	14	3,000	12	400	50	17	117	hard-wired pendant control	283959
X3052	14	3,000	12	400	50	17	117	pluggable pendant control	283979

T1000

Model	Wire Rope Diameter (mm)	WLL	Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
T1020	9	980	9	400	50	4,6	71	hard wired pendant control	188829
T1020	9	980	9	400	50	4,6	71	pluggable pendant control	283799
T1023	9	980	9/18	400	50	5,5/9,5	87	hard wired pendant control	188859
T1023	9	980	9/18	400	50	5,5/9,5	87	pluggable pendant control	283829
T1025	9	980	4,5/9	400	50	3,6/4,6	85	hard wired pendant control	188839
T1025	9	980	4,5/9	400	50	3,6/4,6	85	pluggable pendant control	283859
T1026	9	980	4,5/18	400	50	4/9,7	97	hard wired pendant control	188849
T1026	9	980	4,5/18	400	50	4/9,7	97	pluggable pendant control	283879

Infobox:

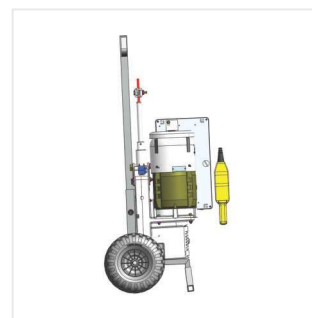
- pendant control pluggable or hard wired delivered with 3m cable
- upper limit switch built on tirak and hard wired
- delivered with 1m power supply cable

Tirak accessories

Transport trolley for Tirak

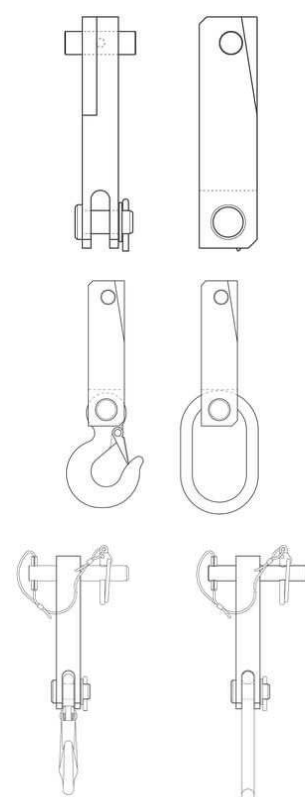
for Tirak series X500, X700, X800, X1000 & X1530

Model	Product Code
transport trolley for Tirak	247329



Suspension Adapters for Tirak Hoists

Model	Description	Product Code
Type A	Suspension adapter for X500-X1530	48657
Type B	Suspension adapter with hook. For X500-X1530	48727
Type B	Suspension adapter with eye. For X500-X1530	48717
Type C	Suspension adapter with removable hook. For X300/L500	180157
Type C	Suspension adapter with removable eye. For X300/L500	180167
Type C	Suspension adapter with removable hook. For X500-X1530	58527
Type C	Suspension adapter with removable eye. For X500-X1530	58537



Tirak packaging

Model	Product Code
wooden box for Tirak X300 / X400	26980
wooden box for Tirak X500 / X800 / X1000	21450
wooden box for Tirak T1000	21320
wooden box for Tirak X1530	56010
wooden box for Tirak X3000	56000



Tirak mobile hoist

for material handling

Tirak hoists can be equipped with a mobile frame in order to provide them with better protection against day-to-day damage or for easier transport.

This simplifies the handling of larger hoists or models fitted with a wire rope reeler, in particular, and reliably protects the Tirak against hard impacts. A separate wire rope reeler can also be integrated into the frame if especially long ropes need to be wound up or stored.

Mobile hoist with 60m reeler capacity X300 - X400

Model								Product Code
Frame with 60m reeler capacity X300 - X400								39389
Model	Wire Rope Diameter (mm)	WLL (kg)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X300	8	300	9	400	50	1,4	60	188909
X302	8	300	18	400	50	3	60	188919

Mobile hoist with 60m reeler capacity X500 - X800

Model								Product Code
Frame with 60m reeler capacity X500 - X800								39399
Model	Wire Rope Diameter (mm)	WLL (kg)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X500	8	500	9	400	50	1,6	75	188939
X503	8	500	9/18	400	50	2,5 & 3,4	85	188969
X504	8	500	4,5	400	50	2,5	75	188929
X505	8	500	4,5/9	400	50	3,3 & 3,6	85	188949
X506	8	500	4,5/18	400	50	2,0 & 5,5	85	188959
X800	8	800	9	400	50	2,6	80	188989
X803	8	800	9/18	400	50	2,6 & 4,8	85	189019
X804	8	800	4,5	400	50	3,6	80	188979
X805	8	800	4,5/9	400	50	3,2 & 4,4	85	188999
X806	8	800	4,5/18	400	50	-	105	189009

Mobile hoist with 60m reeler capacity X1020 - X1530

Model								Product Code
Frame with 60m reeler capacity X1020-X1530								34398
Model	Wire Rope Diameter (mm)	WLL (kg)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X1020	9	980	9	400	50	4	80	189039
X1023	9	980	9/18	400	50	5,5 & 9,0	90	189069
X1024	9	980	4,5	400	50	2,2	85	189029
X1025	9	980	4,5/9	400	50	1,8 & 2,7	90	189049
X1026	9	980	4,5/18	400	50	1,8 & 2,7	105	189059
X1530	10	1,500	9	400	50	2,5	85	189079

Mobile hoist with 110m reeler capacity X2050 - X3050

Model								Product Code
Frame with 110m reeler capacity X2050 - X3050								30188
Model	Wire Rope Diameter (mm)	WLL (kg)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X3050	14	3,000	6	400	50	6	200	214719
X3052	14	3,000	12	400	50	5,8	225	189099

Tirak mobile hoist

for material handling



Mobile hoist with 500m reeler capacity X500 - X800

Model								Product Code
Frame with 500m reeler capacity X500 - X800								32588
Model	Wire Rope Diameter (mm)	WLL (kg)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X500	8	500	9	400	50	2	115	189119
X503	8	500	9/18	400	50	4,5 & 8,7	125	189149
X504	8	500	4,5	400	50	4	115	189109
X505	8	500	4,5/9	400	50	3,2 & 4,4	125	189129
X506	8	500	4,5/18	400	50	2,2 & 5,2	125	189139
X800	8	800	9	400	50	1,9	120	189169
X803	8	800	9/18	400	50	4,5 & 8,7	125	189199
X804	8	800	4,5	400	50	4,2	120	189159
X805	8	800	4,5/9	400	50	1,8 & 2,6	125	189179
X806	8	800	4,5/18	400	50	3,0 & 4,9	145	189189

Mobile hoist with 500m reeler capacity X1020 - X1530

Model								Product Code
Frame with 500m reeler capacity X1020 - X 1530								32598
Model	Wire Rope Diameter (mm)	WLL kg	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X1020	9	980	9	400	50	3,2	120	189229
X1023	9	980	9/18	400	50	3,4 & 6,0	130	214379
X1024	9	980	4,5	400	50	2,5	125	189219
X1025	9	980	4,5/9	400	50	1,9 & 2,6	130	189239
X1026	9	980	4,5/18	400	50	3,3 & 5,8	145	189249
X1530	10	1,500	9	400	50	-	130	189269

Mobile hoist with 800m reeler capacity X2050 - X3050

Model								Product Code
Frame with 800m reeler capacity X2050 - X3050								34328
Model	Wire Rope Diameter (mm)	WLL (kg)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X3050	14	3,000	6	400	50	5,2	550	189279
X3052	14	3,000	12	400	50	6	550	189289

Wire rope for Tirak

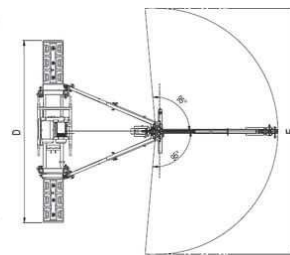
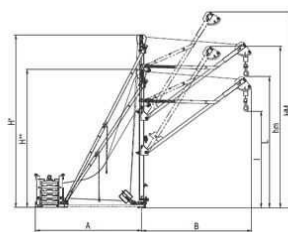
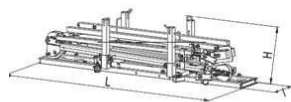
Wire Rope Type	wire rope 8.3mm	wire rope 9.5mm	wire rope 10.2mm
Description	Delivered on a drum up to 100m	Delivered on a drum up to 100m	Delivered on a drum up to 100m
Length	Code	Code	Code
20	46129	17729	55139
30	46139	17749	55149
40	46149	17769	55159
50	46159	17789	55169
60	46169	17809	39349
70	46179	17829	55179
80	46189	17849	14959
90	46199	17869	55189
100	46209	17889	14979

Cables for Tirak winch delivered on reel up to 100 m, above wooden reel

Other lengths :

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

Wire Rope Type	ø 8 mm	ø 9 mm	ø 10 mm
Description	ø 8.3mm	ø 8.3mm with hook	ø 11,5mm
Length	Code	Code	Code
Start kit	238457	238467	238477
m.	238597	238607	238617



The Sodenic is a complete jib crane with integrated wire rope hoist. Perfect for lifting materials up to and down from a roof. Sodenic is made of modular galvanized construction which makes it easy to transport and assemble without specialized tools. Due to the compact nature of the knocked down crane it can easily fit into a lift and be manipulated and assembled by two people.

- Galvanized steel construction
- Electric motor FEM class: 1Am/M3
- Petrol engine noise emission: 2000/14/CE
- Duty cycle: 100%
- Safety factor: 4
- Wire rope with swivel safety hook
- Sheave blocks with self-lubricating bearings
- Counterweight 750 kg (30 blocks of 25 kg each)
- Limit switches
- Topping and rotating jib
- Locking pins with safety pin
- Modular configuration
- Fits in elevator, once disassembled
- One-man operation

Model	WLL	Lifting Height (m)	Forward Speed (m/min)	Product Code
sodenic™ petrol	250	45	22	251009
sodenic™ petrol	250	60	22	251019
sodenic™ petrol	200	80	22	251029
sodenic™ electric	250	45	28	251039
sodenic™ electric	250	60	28	251049
sodenic™ electric	200	80	28	251059

* Counterweight to order with the product (30 pieces)

Model	Product Code
counterweight 25 kg	3378
manual winch 120 kg 38m	38968
Limit cable	38958
75 liter tipper	38978
wire rope 45m	38928
wire rope 60m	38938
wire rope 80m	38948

Palanmatic



- Manual hoist with nylon rope Ø 4 mm
- Lifting on a fixed or mobile point (hoist in vertical position),
- Lifting of the towing gear (hoist in horizontal position).

Model	Description	Lifting Height (m)	WLL	Number of Sheaves	Weight (kg)	Product Code
D202A	Scissor eye hook / swivel eye hook*. 3 sheaves.	7	250	3	1.9	80009
D212A	Scissor eye hooks. 3 sheaves.	3	250	3	1.6	80039
D204A	Scissor hook / swivel eye hook*. 5 sheaves.	7	400	5	2.9	80019
D214A	Scissor eye hooks. 5 sheaves.	3	400	5	2.2	80049
D206A	Scissor eye hook / swivel eye hook*. 7 sheaves.	3	630	7	3.7	80029

Made in France



CHARLET pulleys, blocks & sheaves



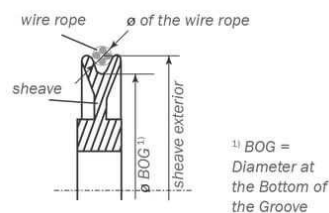
CHARLET blocks

- Tractel blocks, also known as CHARLET, have been developed for all possible applications and are suitable for the most extreme ambient conditions.
- The various models are suitable for wire ropes or ropes and can be used for reeving loads. They can be used for pulling, lifting and diverting the wire rope.
- It is important to choose the right block. This choice depends on the type of application, manual or motorized drive and the rope diameter.
- We can design, produce, test and supply all possible cable blocks, crane blocks, rotablocks, hooks and sheaves (WLL 1 to 500t).
- Through customization and in-house production short delivery times can be realized.
- We are happy to help you make the right choice.

CHARLET pulleys

- There is a wide variety of basic versions available. Even models for man-riding applications in conformity with EN 1808 are available from stock.

Detail of sheave



Angle	Suspension load
0°	Hoist WLL x 2
15°	Hoist WLL x 1,98
30°	Hoist WLL x 1,95
45°	Hoist WLL x 1,85
60°	Hoist WLL x 1,73
90°	Hoist WLL x 1,41
120°	Hoist WLL x 1
150°	Hoist WLL x 0,52
180°	0



CHARLET special designs



Tractel Solutions offers a wide range of custom made sheaves
Pitch diameter (\varnothing_{dp}) = Wire rope \varnothing x R

If you have any special needs, please contact us:

Tractel Solutions S.A.S.

Phone: +33 4 78 50 18 18

Email: info.tractelsolutions@tractel.com



Pulleys, Blocks and Sheaves

BG – Cast iron roller

- Long service life
- Robust
- Adaptable, rebuildable (hub)
- Zinc bichromate

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Movement Back (mm)	Weight (gr)	Product Code
CO34C11MU	34/40	9/11	100	8.2	90	83699
CO42C12MU	42/50	10/12.6	160	10.2	170	83709
CO54C17CU	54/63	15/17	250	12.3	200	83719
CO63C17CM	63/80	16/18	400	12.5	320	83729
CO80C19CM	80/100	17/19	630	19	680	83739
CO131C25MM	131/160	23/25	1,000	23	1500	83749



BH – Cast iron roller

- Long service life
- Robust
- Adaptable, rebuildable (hub)
- Zinc bichromate

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Movement Back (mm)	Weight (gr)	Product Code
CO63C17CU	63/80	15/17	400	15	300	83759
CO80C19CU	80/100	17/19	630	22	650	83769
CO131C25MU	131/160	23/25	1,250	30	1400	83779
CO161C34MU	161/200	32/34	2,000	30	2900	83789



BN – Polyamide roller

- Light
- Electrically insulated
- Corrosion resistant

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (gr)	Product Code
CO25C8PZ	25/32	6/8	63	6.3	5	83609
CO32C10PZ	32/40	8/10	100	8.3	10	83619
CO40C12PZ	40/50	10/12	160	10.3	20	83629
CO44C7PZ	44/62	5/7.5	200	12.1	30	83639
CO61C10PZ	61/76	8/10	300	12	60	83649
CO66C8PZ	66/80	6/8	300	12.2	70	83659
CO78C10PZ	78/100	6/8	300	12.2	90	83669
CO78C12PZ	78/120	10/12	300	12.2	100	83679
CO118C12PZ	118/140	10/12	300	12.2	125	83689



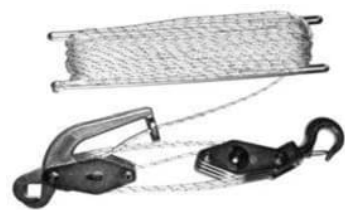
Pulleys, Blocks and Sheaves



BX – Sheave Axle

- Allows mounting of BG-BH-BN sheaves

Model	Ø	Product Code
B060X	15	105439
B061X	22	105449
B062X	30	105459
B063X	30	105469
B064X	52	105479



Palanmatic

- Manual hoist with nylon rope Ø 4 mm
- Lifting on a fixed or mobile point (hoist in vertical position),
- Lifting of the towing gear (hoist in horizontal position).



Model	Description	Lifting Height (m)	WLL	Number of Sheaves	Weight (kg)	Product Code
D202A	Scissor eye hook / swivel eye hook*, 3 sheaves.	7	250	3	1.9	80009
D212A	Scissor eye hooks, 3 sheaves.	3	250	3	1.6	80039
D204A	Scissor hook / swivel eye hook*, 5 sheaves.	7	400	5	2.9	80019
D214A	Scissor eye hooks, 5 sheaves.	3	400	5	2.2	80049
D206A	Scissor eye hook / swivel eye hook*, 7 sheaves.	3	630	7	3.7	80029



DB Poulistop 2

- Efficient and light
- Rope locking system
- Corrosion resistant product
- Can be attached to scaffolding
- Safe and easy to use

Model	Description	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
D050B	Poulistop 2 with hook	150/195	18-20	50	4	192319
D051B	Poulistop 2 with scaffold bracket	150/195	18-20	50	4	192329
DC050B	Rope for Poulistop 2 - 50m	150/195	18	50	18	192339
DP050B	Bracket for scaffolding installation	-	-	50	9	192359

Pulleys, Blocks and Sheaves

DD Pulley Block

- Simple and light
- Polyvalent
- Corrosion resistant product

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
D040D	63/80	15-17	250	0.8	80139
D042D	80/100	17-19	500	1.8	80149
D046D	131/160	23-25	1,000	3.4	80159



DE Scaffold Block

- Efficient and light
- Corrosion resistant product
- Can be attached to scaffolding
- Safe and easy of use

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
D039E	156/200	22-30	40 kg	1.6	80169



DL Lyons Block

- For lifting or pulling loads
- Quick and safe installation
- Polyvalent

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Description	Number of Sheaves	Weight (kg)	Product Code
D083L	34/40	8-10	160	Sheave material: cast iron	2	0.9	80359
D086L	34/40	8-10	250	Sheave material: cast iron	3	1.3	80379
D089L	42/50	10-12	320	Sheave material: cast iron	2	1.8	80399
D092L	42/50	10-12	500	Sheave material: cast iron	3	2.4	80419
D080L	25/32	6-8	125	Sheave material: polyamide	3	0.7	80339
D082L	32/40	8-10	160	Sheave material: polyamide	2	0.9	80349
D085L	32/40	8-10	250	Sheave material: polyamide	3	1.3	80369
D088L	40/50	10-12	320	Sheave material: polyamide	2	1.8	80389
D091L	40/50	10-12	500	Sheave material: polyamide	3	2.4	80409



Pulleys, Blocks and Sheaves



BC – Sheave with short hub

- Sheaves for wire rope
- Ø from 100 to 250 mm
- A high winding ratio improves the lifetime of the wire rope
- Painted or zinc bichromated

Machined

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA86C8MUC	86/100	7/8	0.8	24	0.6	83799
CA140C11VUC	140/160	10/11.5	1.6	37	1.2	83809
CA172C15VUC	172/200	13/15	2.5	37	2.1	83819
CA212C19VUC	212/250	17/19	4	62	4.2	83829

Bronze bush

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA86C8MMC	86/100	7/8	0.8	18	0.6	83839
CA140C11VMC	140/160	10/11.5	1.6	30	1.2	83849
CA172C15VMC	172/200	13/15	2.5	30	2.1	83859
CA212C19VMC	212/250	17/19	4	52	4.2	83869



BL – Sheave with long hub

- Three ranges available (machined, on bronze bushings or bearings)
- Bichromate

Machined

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA140C11VUL	140/160	10/11.5	2	37	1.3	104009
CA172C15VUL	172/200	13/15	3.2	37	2.2	104019

Bronze bush

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA140C11VML	140/160	10/11.5	2	30	1.3	104039
CA172C15VML	172/200	13/15	3.2	30	2.2	104049

Bearings

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA145C7CBL	145/170	6/7	1.5	25	2.4	104069
CA140C11VAL	140/160	10/11.5	2	30	1.3	104079
CA171C9CBL	171/195	8/9	3	35	3.3	104089
CA205C11CBL	205/240	10/11	4	45	5.7	104099
CA260C14CBL	260/300	12/14	6	60	11	104109
CA172C15VAL	172/200	13/15	3.2	30	2.2	104119
CA325C17CBL	325/375	15/17	8	80	27	104129

Pulleys, Blocks and Sheaves

BE - Flared sheave

- Sheaves for wire rope
- Ø from 63 to 255 mm
- A high winding ratio improves the lifetime of the wire rope
- Zinc bichromated

Unmachined

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA60C5CZ	60/80	4/5	0.63	0	0.32	104149
CA80C9CZ	80/100	8/9	1.25	18	0.65	104159
CA120C11CZ	120/150	10/11.5	2	27	1.4	104169
CA160C15CZ	160/200	13/15	3.2	24	3	104179

Machined

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA53C5CU	53/63	4/5	0.32	12.2	0.2	104189
CA60C5CU	60/80	4/5	0.63	15	0.32	104199
CA80C9CU	80/100	8/9	1.25	22	0.65	104209
CA120C11CU	120/150	10/11.5	2	30	1.4	104219
CA160C15CU	160/200	13/15	3.2	30	3	104239
CA210C18CU	210/255	16/18	5	60	4.6	104259

Bronze bush

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA80C9CM	80/100	8/9	1.25	22	0.65	104269
CA132C12VM	132/160	10/12	2	30	1.4	104279
CA160C15VM	160/200	13/15	3.2	30	3	104289
CA210C18CM	210/255	16/18	5	52	4.6	104299

Bearings

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA80C9CA	80/100	8/9	1.25	22	0.65	104309
CA132C12VA	132/160	10/12	2	30	1.4	104319
CA160C15VA	160/200	13/15	3.2	30	3	104329
CA210C18CO	210/255	16/18	5	25	4.6	104339



Pulleys, Blocks and Sheaves



BD - Sheave for public works

- Sheaves for wire rope
- Ø from 112 to 255 mm
- A high winding ratio improves the lifetime of the wire rope
- Zinc bichromated

Machined

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA100C4MU	100/112	4/4.5	0.5	37	0.5	83879
CA140C6VU	140/160	5.5/6.3	1	37	1.2	83889
CA200C9VU	200/224	8/9.5	2	52	2.1	83899

Bronze bush

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA140C6VM	140/160	5.5/6.3	1	30	1.2	83909

Bearings

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Ø	Weight (kg)	Product Code
CA100C4MB	100/112	4./4.5	0.5	12	0.5	83929
CA140C6VB	140/160	5.5/6.3	1	12	1.2	83939
CA200C9VB	200/224	8./9.5	2	20	2.1	83949
CA220C10CB	220/255	9/10	2	30	7.6	83959

Pulleys, Blocks and Sheaves

CSB - Sheave with ball bearings

- Sheave with ball bearings
- Electrogalvanised

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	A	Ø	Weight (kg)	Product Code
CSB012	133/150	6/7	1.6	6205-2RS	25	1.75	104359
CSB014	125/150	7.5/8	1.6	6205-2RS	25	1.75	105639
CSB022	152/175	7/8	2	6206-2RS	30	2.7	104389
CSB024	150/178	9/10	2	6206-2RS	30	2.7	105649
CSB032	172/200	8/9	2.5	6207-2RS	35	4.1	104419
CSB034	165/200	10/11	2.5	6207-2RS	35	4.1	105659
CSB042	180/210	9/10	3.2	6208-2RS	40	5.1	104449
CSB044	180/210	11/12	3.2	6208-2RS	40	5.1	105669
CSB052	200/235	10/11	4	6210-2RS	50	6.9	104479
CSB054	195/235	12/13	4	6210-2RS	50	6.9	105679
CSB062	228/270	11/12	6.3	6212-2RS	60	10.2	104509
CSB064	225/270	13/14	6.3	6212-2RS	60	10.2	105689
CSB072	257/297	12/13	6.3	6212-2RS	60	12.3	104539
CSB074	257/297	14/15	6.3	6212-2RS	60	12.3	105699
CSB082	280/330	13/14	10	6216-2RS	80	21.1	104569
CSB084	280/330	15/16	10	6216-2RS	80	23.1	105709
CSB092	320/375	15/16	10	6216-2RS	80	24.5	104599
CSB094	306/370	17/18	10	6216-2RS	80	24.5	105719
CSB102	355/425	17/18	12.5	6218-2RS	90	34	104629
CSB104	355/425	19/20	12.5	6218-2RS	90	34	105729
CSB112	400/470	19/20	16	6220-2RS	100	45	104659
CSB114	400/470	22/24	16	6220-2RS	100	45	105739
CSB122	440/510	20/22	20	6222-2RS	110	65	105759
CSB124	430/510	24/26	20	6222-2RS	110	65	105779
CSB132	500/570	22/24	20	6224-2Z	120	115	105799
CSB142	550/630	24/26	25	6226-2Z	130	140	105829



EC Snatch Block

- Easy installation and low weight
- Multiple lashing possibilities: shackles, pins, chains, hooks, slings
- Occasional installations

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
EC1.6-100E9	80/100	8-9	1,600	2.2	80689
EC3.2-160E12	132/160	10-12	3,200	4.8	80699
EC5-200E15	160/200	13-15	5,000	9.3	80709
EC8-250E18	210/250	16-18	8,000	19.4	80719



Pulleys, Blocks and Sheaves



ED - Snatch pulley with wire rope guide flanges

- Cable guide flanges to prevent derailment
- Easy installation

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
E162D	140/160	10/11.5	1.25	5.2	80729
E172D	172/200	13/15	2	9.3	80769



EG - Light duty pulley for wire rope

- Intended for slow use
- Allows lifting or deflecting without height or distance limits
- Equipped with cast iron sheave

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
E140G	60/80	4/5	0.32	1.6	80809
E144G	80/100	8/9	0.63	2.5	80829
E146G	80/100	8/9	0.63	2.5	80849



ES Cargo Block

- Simple yoke pulley for wire-rope
- For slow applications
- Lifting or wire-rope deviation without limit on use height or distance
- Ensures good positioning

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
E110S	60/80	4-5	320	0.9	81329
E112S	80/100	8-9	630	1.8	81339
E120S	132/160	10-11.5	1,200	3.4	81359

Pulleys, Blocks and Sheaves

EH Snatch Block

- Snatch blocks for wire rope cables
- Zinc bichromated coating

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
E303H	80/100	8-9	1,000	3	80869
E347H	275/336	21-23	8,000	34	80949
E480H	275/336	14-16.3	6,400	34	81009
E333H	210/250	16-18	5,000	22	80929
E490H	160/200	13-15	5,000	17	81029
E470H*	160/200	10-11.5	3,200	18	80989
E323H	160/200	13-15	3,200	18	80909
E313H	132/160	10-12	2,000	8.5	80889
E460H*	132/160	7.5-8.3	1,600	7	80969
E305H	80/100	8-9	1,000	3	105489



EGZ Snatch blocks for wire rope cables

- Zinc bichromated coating
- Designed for temporary lifting or cable traction installations requiring quick installation and/or removal of the pulley

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
E303GZ	80/100	8/9	1,000	3	101829
E305GZ	80/100	8/9	1,000	3	252119
E460GZ	132/160	7.5/8.3	2,400	7	101839
E313GZ	132/160	10/12	2,000	8.5	105629
E470GZ	160/200	10/11.5	4,800	15.5	101849
E323GZ	160/200	13/15	3,200	15.5	192859
E490GZ	160/200	13/15	5,000	17	192869
E333GZ	210/250	16/18	5,000	22	192879
E480GZ	275/336	14/16.3	6,400	34	101859
E347GZ	275/336	21/23	8,000	34	192889



EJ - Pulley for wire rope

- Zinc bichromated coating
- Removable axle for easy sheave change and cable assembly

Model	WLL	Wire Rope Diameter (mm)	Sheave Diameter (mm)	Weight (kg)	Description	Product Code
E125J	1	8/9	80/100	1.9	Without hook / not dismountable	81049
E126J	0.63	8/9	80/100	2.6	With hook / dismountable	81059
E136J	1.25	10/11.5	132/160	5	With hook / dismountable	81099



Pulleys, Blocks and Sheaves



ELS = with safety hook



ELC = with safety clasp

ELC - ELS pulleys

New light & compact 1t pulley for use in Offshore applications or along with Minifor.

The pulley is designed to be as compact as possible for use in elevator cage ceiling, to install the elevator motor.

It is designed with the same principles than an ET pulley, in order to be robust, corrosion resistant (Zn coating) and with all elements being foolproof.

It exists in two version, ELC (as shown below) and ELS with safety hook (but less compact).

Model	Description	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
ELC1-70E7	equipped with safety clasp	55	6.5/7	1,000	1.6	252209
ELS1-70E7	equipped with safety hook	55	6.5/7	1,000	1.8	252259



ETC Off-Shore Model Snatch Block

- Easy to set up
- Light
- Imperviousness of removable elements
- Intensive use

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
ETC2-79E10	60/79	9-10	2,000	2.7	81429
ETC5-114E14	90/114	12-14	5,000	8	81399
ETC5-165E14	140/165	12-14	5,000	10.5	81459
ETC8-142E19	112/142	17-19	8,000	15	81489
ETC8-209E19	177/209	17-19	8,000	20	81519
ETC8-262E19	221/262	17-19	8,000	25	81549
ETC8-326E23	275/326	20-23	8,000	29	81579
ETC12-145E23	112/145	20-23	12,500	30	81609
ETC12-216E23	174/216	20-23	12,500	35	81669
ETC12-216E29	174/216	26-29	12,500	35	81639
ETC15-262E23	221/262	20-23	15,000	38	81699
ETC15-326E23	275/326	20-23	15,000	45	81759
ETC15-420E23	355/420	20-23	15,000	65	81819
ETC20-216E29	174/216	26-29	20,000	39	81729
ETC20-268E38	224/268	35-38	20,000	56	81789
ETC20-410E38	349/410	35-38	20,000	70	81849
ETC25-262E29	221/262	26-29	25,000	62	81879
ETC25-326E29	270/326	26-29	25,000	85	81939
ETC32-334E46	270/334	42-46	32,000	95	81909
ETC32-518E46	443/518	42-46	32,000	135	81969

Pulleys, Blocks and Sheaves

ETM Off-Shore Model Snatch Block

- Easy to set up
- Light
- Imperviousness of removable elements

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
ETM2-79E10	60/79	9-10	2,000	2.7	81439
ETM5-114E14	90/114	12-14	5,000	8	81409
ETM5-165E14	140/165	12-14	5,000	10.5	81469
ETM8-142E19	112/142	17-19	8,000	15	81499
ETM8-209E19	177/209	17-19	8,000	20	81529
ETM8-262E19	221/262	17-19	8,000	25	81559
ETM8-326E23	275/326	20-23	8,000	29	81589
ETM12-145E23	112/145	20-23	12,500	30	81619
ETM12-216E23	174/216	20-23	12,500	35	81679
ETM12-216E29	174/216	26-29	12,500	35	81649
ETM15-262E23	221/262	20-23	15,000	38	81709
ETM15-326E23	275/326	20-23	15,000	45	81769
ETM15-420E23	355/420	20-23	15,000	65	81829
ETM20-216E29	174/216	26-29	20,000	39	81739
ETM20-268E38	224/268	35-38	20,000	56	81799
ETM20-410E38	349/410	35-38	20,000	70	81859
ETM25-262E29	221/262	26-29	25,000	62	81889
ETM25-326E29	270/326	26-29	25,000	85	81949
ETM32-334E46	270/334	42-46	32,000	95	81919
ETM32-518E46	443/518	42-46	32,000	135	81979



Pulleys, Blocks and Sheaves



ETA Off-Shore Model Snatch Block

- Easy to set up
- Light
- Imperviousness of removable elements

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
ETA 2-79E10	60/79	9-10	2,000	1.6	81449
ETA5-114E14	90/114	12-14	5,000	4.5	81419
ETA5-165E14	140/165	12-14	5,000	7	81479
ETA8-142E19	112/142	17-19	8,000	8.5	81509
ETA8-209E19	177/209	17-19	8,000	13.5	81539
ETA8-262E19	221/262	17-19	8,000	18	81569
ETA8-326E23	275/326	20-23	8,000	23	81599
ETA12-145E23	112/145	20-23	12,500	24	81629
ETA12-216E23	174/216	20-23	12,500	28	81689
ETA12-216E29	174/216	26-29	12,500	28	81659
ETA15-262E23	221/262	20-23	15,000	30	81719
ETA15-326E23	275/326	20-23	15,000	36	81779
ETA15-420E23	355/420	20-23	15,000	52	81839
ETA20-216E29	174/216	26-29	20,000	31	81749
ETA20-268E38	224/268	35-38	20,000	45	81809
ETA20-410E38	349/410	35-38	20,000	56	81869
ETA25-262E29	221/262	26-29	25,000	48	81899
ETA25-326E29	270/326	26-29	25,000	63	81959
ETA32-334E46	270/334	42-46	32,000	70	81929
ETA32-518E46	443/518	42-46	32,000	100	81989



FM - Wire Rope Blocks

- Non opening block for wire-rope
- This is the essential tool for tirsors and other pulling equipments
- Other models and dimensions on request

Model	WLL	Wire Rope Diameter (mm)	Sheave Diameter (mm)	Number of Sheaves	Weight (kg)	Description	Product Code
F003M	1.25	7/8	86/100	2	5	With hook - 2 sheaves	82289
F013M	3.2	10/11.5	140/160	2	12.5	With hook - 2 sheaves	82329
F023M	5	13/15	172/200	2	18	With hook - 2 sheaves	82369
F073M	5	10/11.5	140/160	3	16	With hook - 3 sheaves	82449

Pulleys, Blocks and Sheaves

CUB One sheave overhead craneblock

- Fast production time
- Other dimensions on request

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Classification FEM/ISO	Weight (kg)	Product Code
CUB122M5	152/175	7/8	1.6	M5	11	104819
CUB122M6	152/175	7	1.25	M6	11	104829
CUB132M5	172/200	8/9	2	M5	14	104839
CUB132M6	172/200	8	1.6	M6	14	104849
CUB142M5	180/210	9/10	2.5	M5	18	104859
CUB142M6	180/210	9	2	M6	18	104869
CUB152M5	200/235	10/11	3.2	M5	21	104879
CUB152M6	200/235	10	2.5	M6	21	104889
CUB162M5	228/270	11/12	4	M5	36	104899
CUB162M6	228/270	11	3.2	M6	36	104909
CUB172M5	257/297	12/13	5	M5	41	104919
CUB172M6	257/297	12	4	M6	41	104929
CUB182M5	280/330	13/14	6.3	M5	65	104939
CUB182M6	280/330	13	5	M6	65	104949
CUB192M5	320/375	15/16	8	M5	68	104959
CUB192M6	320/375	15	6.3	M6	68	104969



CHB Two sheaves overhead craneblock

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Classification FEM/ISO	Weight (kg)	Product Code
CHB122M5	152/175	7/8	3.2	M5	17	105169
CHB122M6	152/175	7	2.5	M6	17	105179
CHB132M5	172/200	8/9	4	M5	25	105189
CHB132M6	172/200	8	3.2	M6	25	105199



Pulleys, Blocks and Sheaves



CHB Two sheaves overhead craneblock

- Reinforced design.
- Fast production time
- Other dimensions on request

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Classification FEM/ISO	Weight (kg)	Product Code
CHB142M5	180/210	9/10	4	M5	27	105209
CHB142M6	180/210	9	4	M6	27	105219
CHB172M5	250/297	12/13	10	M5	65	105269
CHB172M6	250/297	12	8	M6	65	105279



CHA - Two sheaves overhead crane block

- Fast production
- Other dimensions on request

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Classification FEM/ISO	Weight (kg)	Product Code
CHA152M5	200/235	10/11	6.3	M5	45	105229
CHA152M6	200/235	10	5	M6	45	105239
CHA162M5	228/270	11/12	8	M5	64	105249
CHA162M6	228/270	11	6.3	M6	64	105259
CHA172M5	257/297	12/13	10	M5	76	105289
CHA172M6	257/297	12	8	M6	76	105299
CHA182M5	280/330	13/14	12.5	M5	120	105309
CHA182M6	280/330	13	10	M6	120	105319
CHA192M5	320/375	15/16	16	M5	152	105329
CHA192M6	320/375	15	12.5	M6	152	105339
CHA202M5	355/425	17/18	20	M5	215	105349
CHA202M6	355/245	17	16	M6	215	105359
CHA212M5	400/470	19/20	25	M5	270	105369
CHA212M6	400/470	19	20	M5	270	105379

EP Blocks for Man-Riding Applications

EP Blocks for Man-Riding Applications

Versatility

- EP sheaves can be used for both material lifting and man-riding with the same maximum working load.

Safety

- Pulleys in accordance with FEM87 and EN 1808
- Finger protection system
- Limit stop

Ease of use

- The particular geometry of the limit stop, developed by Tractel, allows a simple and quick insertion of the wire rope without tools.

Lightness

- The lightened flanges and the polyamide sheave make it light and easy to install.

Compatibility

- EP pulleys are compatible with our Tirfor and Tirak winch ranges for both material and man-riding applications.

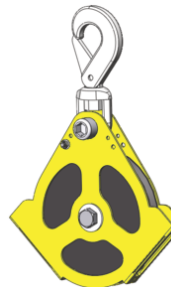
Applications

- These pulleys are mainly designed for temporary cable lifting or pulling applications, when quick installation and/or removal of the pulley is necessary.
- They can be fixed to a mobile or fixed anchorage point having the required WLL.

Model	Sheave Diameter (mm)	Wire Rope Diameter (mm)	WLL	Weight (kg)	Product Code
EPA1.6-8/9 III	171/198	8-9	1.6 t	2.6	252739
EPA2.4-10/12 III	196/228.5	10-11.5	2.4 t	4.9	252789
EPA4.8-14/16 III	277.5/323.5	14-16.3	4.8 t	11.7	252839
EPC1.6-8-9 III	171/198	8-9	1.6 t	3.4	252699
EPC2.4-10/12 III	196/228.5	10-11.5	2.4 t	6.3	252749
EPC5-14/16 III	277.5/323.5	14-16.3	4.8 t	14.3	252799
EPE1.6-8/9 III	171/198	8-9	1.6 t	3.4	252709
EPE2.4-10/12 III	196/228.5	10-11.5	2.4 t	6.3	252759
EPE5-14/16 III	277.5/323.5	14-16.3	4.8 t	14.3	252809
EPF1.6-8/9 III	171/198	8-9	1.6 t	3.2	252719
EPF2.4-10/12 III	196/228.5	10-11.5	2.4 t	5.8	252769
EPF5-14/16 III	277.5/323.5	14-16.3	4.8 t	13.6	252819
EPL1.6-8/9 III	171/198	8-9	1.6 t	3.2	252729
EPL2.4-10/12 III	196/228.5	10-11.5	2.4 t	5.9	252779
EPL5-14/16 III	277.5/323.5	14-16.3	4.8 t	13.6	252829



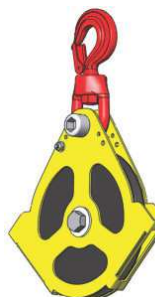
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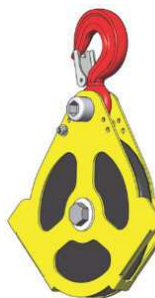
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EPE



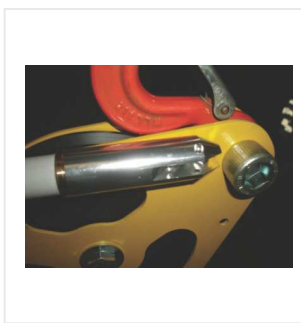
EPF



EPL

Accessories for EP Blocks

Model	Description	Product Code
EP-MCP	Option remote installation	192969
EPBFC	Option limit detection stop	192959



Suspensions



CE – Swivel hook with safety catch

Model	WLL	Max. Opening (mm)	Weight (kg)	Product Code
C120E	0.8	19	0.5	104979
C121E	1	22	0.9	104989
C125E	1.5	22	0.9	104999
C126E	2.5	22	1.4	105009
C127E	3.2	25	1.7	105019
C128E	5.4	31	3.3	105029
C134E	8	41	6.8	105039
C135E	11	47	10	105049
C136E	16	53	15	105059
C137E	22	75	26	105069



CH – High resistance anchor shackle

- High resistance anchor shackle
- Bolt type anchor shackles with thin head bolt-nut, with cotter pin

Model	WLL	Max. Opening (mm)	Ø	Weight (kg)	Product Code
C036H/6	1	17	12	0.2	105599
C037H/6	1.5	18	14	0.22	105609
C039H/6	3.25	27	20	0.76	105589
C040H/6	4.75	32	22	1.2	105619
C041H/6	6.5	37	25	1.5	192269
C042H/6	8.5	43	30	2.5	192279
C043H/6	12	52	35	4.5	192289
C044H/6	13.5	57	38	6.6	192299
C100H/6	2	20	16	0.44	192648



CJ – Eye hook with safety catch

- Eye hook with safety catch
- Stamped hook
- Mainly fitted on sling or rope

Model	WLL	Max. Opening (mm)	Weight (kg)	Product Code
C091J	0.8	19	0.3	105079
C092J	1	19	0.45	105089
C101J	1.25	19	0.3	105109
C093J	1.6	24	0.6	105099
C102J	1.6	19	0.45	105119
C103J	2.5	24	0.6	105129
C104J	3.2	25	0.9	105139
C105J	5.4	30	1.6	105149
C106J	8	38	3.5	105159

Corso beam clamps for material handling

The Corso beam clamp range can be quickly and easily assembled onto a steel beam, creating a reliable anchor point for lifting equipment such as Tirfor, Bravo, Tralift, Minifor and Tralift TT.

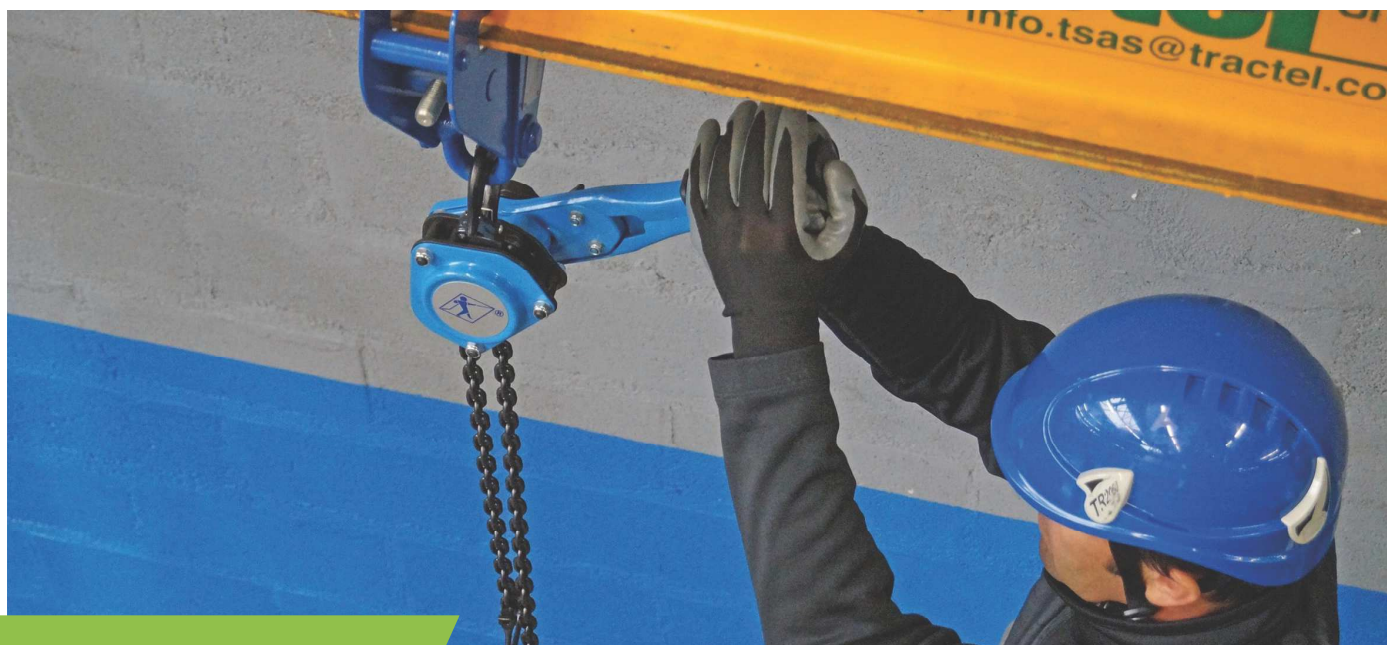
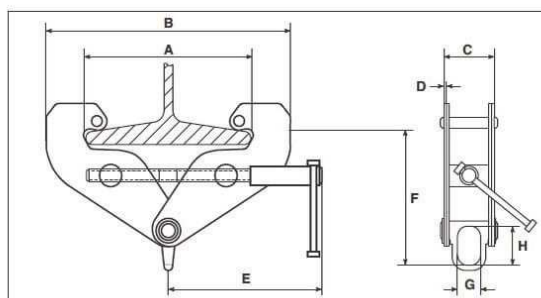


- WLL from 1t to 10t
- For beam widths from 75 - 320 mm depending on capacity
- Easy width adjustment to the size of the steel beam
- Generously sized body made of steel alloy
- High stability when fixed correctly
- Spindle bar is locked from rotating by tightening a grub screw

Model	WLL	Flange Width (mm)	Weight (kg)	Product Code
LT-1B	1,000	75-230	4.8	7009
LT-2B	2,000	75-230	5.6	7019
LT-3B	3,000	80-330	11	7029
LT-5B	5,000	80-330	12.3	7039
LT-10B	10,000	80-320	21	7049

Corso beam clamps for material handling

Model	A	B	C	D	E	F	G	H
LT-1B	220	180/380	76	4	210	120/175	30	45
LT-2B	220	180/380	84	6	210	130/180	30	45
LT-3B	320	235/490	115	8	275	175/250	45	60
LT-5B	320	253/490	138	10	245	140/220	45	60
LT-10B	310	255/480	160	12	275	250/300	60	90





Corso geared beam trolleys

corso Manual-Geared Trolley For Transporting Materials

Model	WLL	Flange Width (mm)	Weight (kg)	Product Code
1000	1,000	58 - 220	19	23339
2000	2,000	66 - 220	22,5	23349
3000	3,000	74 - 220	37,5	23359
5000	5,000	90 - 220	55	23369
1000	1,000	160 - 320	19	108929
2000	2,000	160 - 320	22,5	108939
3000	3,000	160 - 320	37,5	108949
5000	5,000	180 - 320	55	108959
10000	10,000	142 - 320	115	56289
20000	20,000	153 - 320	254	56299

Model	Product Code
Extra meter of chain for corso	108957



Corso push beam trolleys

corso Push Trolley For Transporting Materials

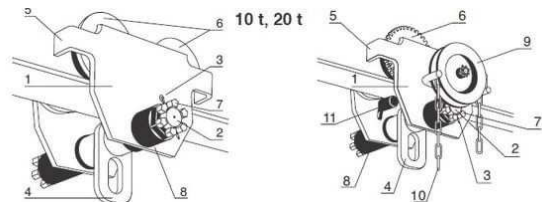
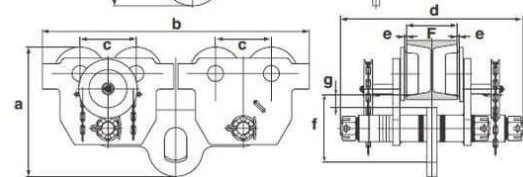
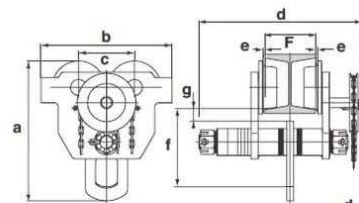
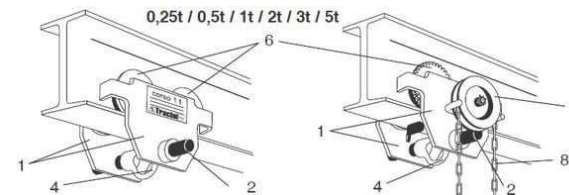
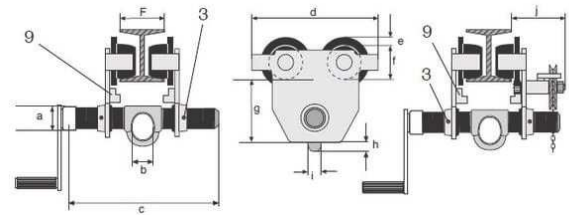
Model	WLL	Flange Width (mm)	Min.Radius (mm)	Weight (kg)	Product Code
C250	250	45 - 152	650	3,5	69289
C500	500	50 - 220	900	8,5	23309
C1000	1,000	58 - 220	1 000	10,5	23319
C2000	2,000	66 - 220	1 200	18	23329
C3000	3,000	74 - 220	1 300	32	23379
C5000	5,000	90 - 220	1 400	48,5	23389
C500	500	160 - 320	900	8,5	108879
C1000	1,000	160 - 320	1 000	10,5	108889
C2000	2,000	160 - 320	1 200	18	108899
C3000	3,000	160 - 320	1 300	32	108909
C5000	5,000	180 - 320	1 400	48,5	108919
C10000	10,000	142 - 320	2 500	105	56279

0.25 t to 5 t

WLL	A	B	C	D	E	F	G	H
250	22	22	220	175	11	50	74	7
500	27	25	324	225	15	62	88	16
1,000	30	30	334	252	15	62	103	17
2,000	38	40	342	300	18	80	127	18
3,000	45	48	358	360	15	97	177	18
5,000	52	58	372	400	20	110	192	23

In mm.

- | | |
|--|--|
| 1. Trolley side plates | antideraling devices |
| 2. Threaded bar | 6. Running wheels |
| 3. Securing screw for preventing the bar from moving | 7. Operating wheel |
| 4. Anchor point for hoist | 8. Operating chain |
| 5. End stops acting as | 9. Anti-tilt system welded onto side plate |



10 t to 20 t

Model	Description	A	B	C	D	E	F	G
C10000	Push trolley	500	470	200	550	2,5	280	45
10000	Geared trolley	500	470	200	583	2,5	280	45
20000	Geared trolley	500	955	200	654	2,5	270	45

In mm.

- | | |
|---------------------------------------|--------------------|
| 1. Trolley side plates | 6. Running wheels |
| 2. Fixing bar | 7. Fixing nut |
| 3. Saftey pin | 8. Spacer washers |
| 4. Anchor point | 9. Operating wheel |
| 5. Safety bar and traversing end stop | 10. Hand chain |
| | 11. Anti-tilt bar |

Extension Bar For corso Trolleys

Model	Flange Width (mm)	Description	Product Code
0,5	160-320	to suit 0,5t push trolley 023309	14652
1T	160-320	to suit 1t push trolley 023319 and 1t geared trolley 023339	14662
2T	160-320	to suit 2t push trolley 023329 and 2t geared trolley 023349	14672
3T	160-320	to suit 3t push trolley 023379 and 3t geared trolley 023359	14682
5T	180-320	to suit 5t push trolley 023389 and 5t geared trolley 023369	14692

GENERAL CONDITIONS OF SALE AND SERVICE

GENERAL CONDITIONS OF SALE AND SERVICE v. 02.2020

1 – DRAWING UP OF THE AGREEMENT

Any order implies from the buyer, the acknowledgement by the buyer that he gets all required information to the conclusion of the agreement and the acceptance of the present terms. Therefore, no clause to the contrary may be set up against the seller if he has not formally accepted it in writing and notably all the general terms sent earlier by way of circular letters.

Unless otherwise specified, seller's quotation shall expire thirty (30) days from its date.

The sale agreement is perfect only after written acceptance by the seller of the buyer's order, or if not by the delivery.

An order which is accepted cannot be cancelled without the seller's prior and express consent.

2 – SPECIFICATIONS CONCERNING THE SUPPLY

The specifications mentioned in the seller's catalogues, price lists, leaflets and all advertising documents are for information purposes only. The seller reserves the right to carry out all changes he may consider appropriate on his models, even after acceptance of the orders, without, however, the essential specifications and performance being affected.

3 - PRICES Prices are understood in Euros free of any discount, taxes, or insurance for non packaged goods, ex-works (EXW Incoterms® ICC in force at the date when the contract is made).

Any possible costs for packaging, loading and conveying from the factory to the place of delivery shall be born by the buyer, unless otherwise agreed in writing.

4 - PAYMENTS Save exception specified in the special terms appearing on the front page, the price is payable at the seller's head office as follows:

- * part with the order (down payment)

- * the balance by accepted draft 30 days from the date of invoicing.

The payment of the down payment with the order does not in any way entitle the buyer to retract in return for giving up his down payment which, in the event of cancellation of the order, remains acquired to the seller as a compensation, subject to all other rights.

5 - SETTLEMENT

5.1 – The non-payment entails the event of default and causes that all debts even not outstanding ones are immediately due.

5.2 – Penalties for delay and compensation for recovery costs

In the event the special terms specify a deferred payment and that one of the due dates is not observed, the buyer by right and without a prior formal demand, shall lay open to penalties for delay which will be the result of the application of a rate equal to three times the rate of French legal interest.

In addition to penalties for delay, and due to late payment, the buyer, de jure and without prior formal demand, shall pay recovery costs equal to 40 euros. The seller will be entitled to obtain compensation from the buyer for any recovery costs exceeding that fixed sum and incurred due to the buyer's late payment.

5.3 - Penalty clause

By express agreement, the non payment on the due date shall entail, as a penalty clause, a compensation of 15% of the amounts due, plus the interest set in the agreement and any possible costs of litigation.

5.4 – Retention of title and risk of loss

The products, subject-matter of the present order, shall remain by formal agreement the seller's property until full payment of the agreed price, and all means of payment: cheques, drafts or other negotiable instruments shall be considered as payment only after the actual collection of their amount by the seller.

During the period between the delivery and the full payment of the price, the buyer, by formal agreement, shall only be considered as the simple depository of the products, the buyer shall have to pay the price on agreed due dates, or failing payment of a single payment, to pay the full price or, to return the products, or if not he shall incur the penalties provided for by the law.

As an exception to article 1196 of the French Code of Civil Law, the delivery itself shall place the products at the buyer's risks despite the fact the latter is only the depository until full payment is made.

On account of his capacity of simple depository until the full payment of the price, the buyer to whom the products are delivered will not be entitled to resell them or to alienate them by any mean, including by way of contract of pledge, security or otherwise.

However, he may:

- Either, after prior agreement of the seller and under its entire liability, have its buyer pay directly the product subject-matter of the present agreement to the seller.

- Or assign the benefit and the charges resulting from the present agreement, but on the formal condition of informing its assignee under its own liability that the products are subject to a reservation of title clause and that himself is only the depository until full payment of their price, in such a manner that said assignee has himself only the capacity of depository until the payment, and that the seller may be able to claim from him the payment or the return, if the amount of the price is not paid in whole on the date due.

GENERAL CONDITIONS OF SALE AND SERVICE

TRACTEL SAS GENERAL CONDITIONS OF SALE AND SERVICE v. 02.2020

6 – DELIVERY TIME & DELIVERY

6.1 – Delivery means the placing at disposal of the product on the site notified by the seller.

6.2 – The delivery time is the date entered by the seller on its acknowledgment of receipt of the order.

6.3 – Delivery times are given for information purposes and without commitment. The seller commits to deliver promptly the goods to the buyer provided that the seller gets all the information and documents required for the performance of the contract.

6.4 – It is expressly agreed that the seller shall owe no compensation for delay, except in the event of deliberate tortious intent.

6.5 - a) The buyer shall take delivery of its product(s) in the seller's premises within 30 days following the notification of the seller that the product(s) are ready for delivery.

b) At the end of this 30-day period, and after a formal demand by registered letter with advice of delivery sent to the buyer to remove the product(s) IMMEDIATELY, the seller shall be entitled to force the buyer to perform its obligations, notably to make the payments, the delivery being considered as made; in this case the seller shall store the products at the buyer's risks.

c) After the time-limit provided for in article b), the seller shall be able, if it deems this appropriate, to consider the agreement as terminated by the buyer, the payments received from the latter being acquired to him without prejudice of any other rights, and notably the seller shall be entitled to demand as a penalty clause the payment of a compensation equal to 15% of the sale price of the equipment. The seller shall then, after advising the buyer by registered letter, use the products as it wishes.

d) The products are delivered with their instructions manual for use; the user shall read them before using the products. The buyer shall check and see if he has the documents, if not it shall contact the seller to get them.

e) Acceptance: Without any written claims within 30 days following the date of delivery, the product shall be considered as without any visible defects and accepted.

7 – TRANSPORT AND INSURANCE

The steps the seller may be led to take in the interest and on behalf of the buyer as regards insurance, transport, do not prevail against the principle of the delivery in the factory or store of the seller.

The fact of possibly including the transport cost in the price does not constitute an exemption to the principle of the delivery made in the factory or the store of the seller. Any transport made by the seller itself, whether the costs are to be paid for by the buyer or not, is considered as made according to a contract of carriage separate from the sale agreement.

If there are no instructions, the seller dispatches the goods in the best interests of the buyer.

In all cases, it is up to the buyer to check everything, to make all reservations upon the arrival of the product and to lodge, if the need arises, against the carrier the appeals, which must be lodged within 3 days following the acceptance, provided for by articles L133-1 and L133-3 of the French commercial Code; should these formalities not be complied with, the carrier's liability may not be implemented and the seller cannot in any case be sued for this reason.

8 - WARRANTY

Term and extent of the Warranty

8.1 – All products are covered against defects in material and construction faults for a period of twelve (12) months from the date appearing on the delivery slip.

8.2 – (i) This warranty is strictly limited, after examination of the product by the seller and to suit its convenience, to the repair or replacement of the product recognized as defective, with the express exclusion of all accessory costs. (ii) Are only covered by the warranty the cost of replaced parts and labour used. Travel costs and hotel expenses for the personnel on the user's site as well as transport costs of the product concerned at the seller's factory and return are to be paid for by the beneficiary of the warranty.

8.3 – The warranty does not cover the damage resulting from bad assembly, insufficient maintenance, or normal wear. It does not apply to paints and coatings.

8.4 – Any defect bringing into play the seller's warranty must, failing forfeiture, be declared to the seller, with the invoice corresponding to the purchase of the product in question and all supporting documents.

8.5 – Exchanges or repairing of parts covered by the warranty cannot extend the warranty.

8.6 – The warranty will be removed from any product which is modified, altered, repaired outside the seller's workshops without the seller's prior written approval.

8.7- The seller's liability is expressly limited to the above-mentioned warranty.

8.8 – An action to enforce the warranty cannot justify any delay in payments.

9 – LIABILITY

Under no circumstances, shall the seller be held to indemnify the consequential direct or indirect damage or contingent damage, notably any operating losses, loss of profits or loss of earnings. The liability of the seller, all causes taken into account with the exception of bodily injuries and gross negligence, is limited to a sum with an upper limit fixed at the amount invoiced and collected of the supply alleged defective.

The buyer is responsible for the waiver in contract against the seller or its insurers beyond the limits and exclusions fixed above.

GENERAL CONDITIONS OF SALE AND SERVICE

TRACTEL SAS GENERAL CONDITIONS OF SALE AND SERVICE v. 02.2020

10 – SERVICE PERFORMANCE

The scale of service performance of the seller is understood exclusive of travel and hotel costs. The estimates for repairs of the seller not followed by an order are payable and include the operations of dismantling, reassembly and trips. Without a reply from the buyer within 30 days from the date appearing on the estimate, the equipment shall be returned as such, transport costs to be paid for by the buyer.

The customer agrees to place at the disposal of the seller a place required for the operation as well as the required means of lifting, handling and trial.

The seller reserves the right to take into account the weather conditions on the site and accept no responsibility for any possible delays due to these conditions or to the non conformity of the site with the public health and safety conditions. Under no circumstance will the seller's liability be sought for the consequences of equipment which stops operating while it intervenes.

The customer must make sure of the solidity of supports, anchoring or props of the equipment set up; it has the responsibility of checking the solidity and the conformity with safety rules.

11 – FORCE MAJEURE

The Parties shall not be held responsible for any delay or failure to execute one of its obligations within the scope of the contract should the delay or failure be the direct or indirect result of a case of force majeure, which is defined as an event beyond the control of the Parties and independent from their will, including but not limited to cyber-attack, civil conflict, revolution, war, acts of God, occurrence of a natural catastrophe and extraordinary weather.

Should the event of Force Majeure last for more than 1 (one) month since its date of notice, then the party suffering from Force Majeure shall be entitled to terminate immediately the present Contract without prejudice by registered letter.

12 - HARDSHIP CLAUSE

The Parties are aware of the fact that this contract is fair and equitable. By mutual agreement, the Parties waive the article 1195 of the French Civil Code and accept to deal with risks associated with changing circumstances.

13 – PERSONAL DATA PROTECTION

The seller processes personal data (full name, address, email, phone number,...) of its buyer's contacts.

The purpose of personal data processing is to perform orders and manage the relationship between the seller and the buyer. These personal data may be shared with companies located within the EU: the other TRACTEL companies, Credit-Insurance companies, Business Element and Microsoft.

No transfer of personal data to third countries (outside European Union) or international organisations is intended.

The buyer undertakes to inform the seller of any update regarding the personal data of the data subject and to inform them of the content of this clause. The data subject benefits from the right to require access to, rectification, erasure of their personal data or restriction to processing of their personal data or to object to processing as well as the right to data portability by writing to rgpd.tsas@tractel.com

The data subject also has the right to lodge a complaint with the CNIL.

The seller undertakes to take appropriate technical measures in order to ensure security and confidentiality of personal data. The seller undertakes to keep personal data no longer than necessary for the purposes of this personal data processing and in any case for a maximum period of 3 years from the last products order to the seller.

14 – PUBLICITY

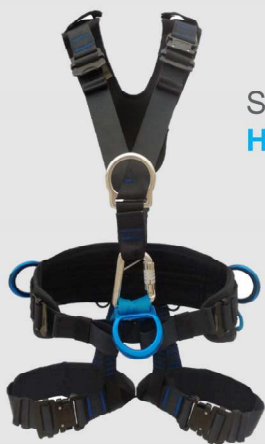
The seller and/or any other TRACTEL company will be authorised to issue marketing material, publicity, promotion or advertising in whatever form, regarding the goods and services object of the Order; this authorization may be suspended further to the buyer's request.

15 – JURISDICTION

By formal agreement, any disputes or difficulties relating to the construction or to the performance of the present order shall be under the JURISDICTION of the COMMERCIAL COURT of TROYES (10 – France). The present terms are governed by French law excluding the United Nations Convention on Contracts for the International Sale of Goods (Vienne, 1980).

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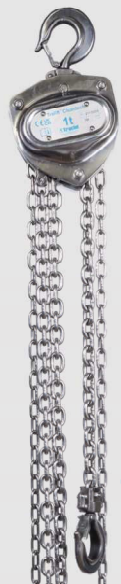
Safety harness
HT Access



Removable
X-Pad



Fall arrest device
Blocfor 20 Evo



Stainless steel trolley
Corso Cleantech



Manual chain hoists
Tralift Cleantech



Battery powered permanent magnet
Magfor auto



Blocks
EP

GLOBAL REACH



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