



# Catalog 2023

Lifting & Handling | Measure & Control  
Height Safety

Export



[www.tractel.com](http://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 (Scanclimber®), Building maintenance units and permanent access solutions for industry, infrastructure and buildings.
- **Services** - In-situ inspection and maintenance services for permanent access equipment, workshop maintenance and general overhauls of mechanical equipment, as well as training and rental services.



Established more than 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

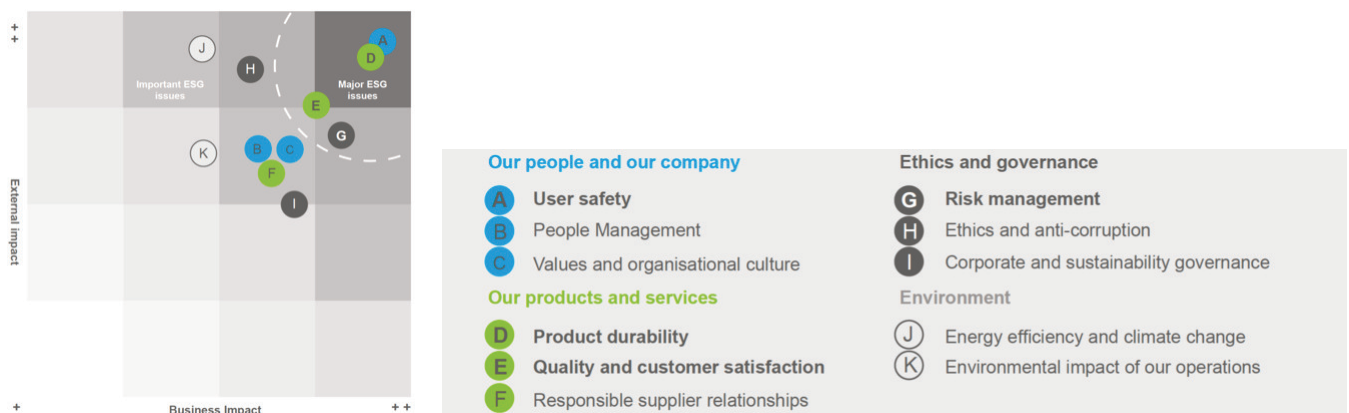
The Tractel Group has set-up an ambitious Environment, Social and Governance (ESG) policy. Our ESG policy commits us collectively to do more for people, society and the environment. We are convinced that those who share our ambition, be they customers, suppliers, shareholders or employees, will join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

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E mail: julie.melchior@tractel.com

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## SALES ADMINISTRATION

**(invoicing, logistics and delivery)**

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Doriane Ly

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# Product ranges

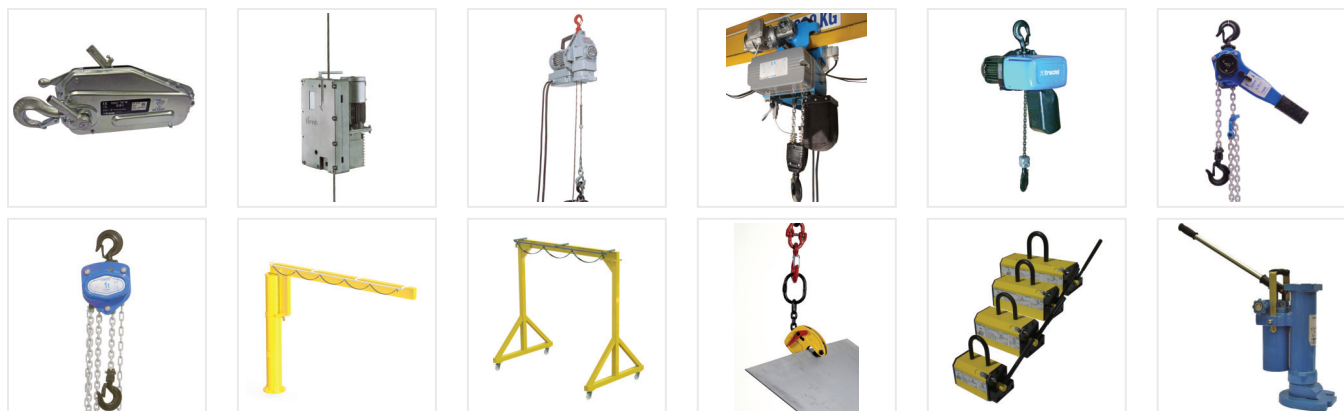
## Height Safety Products & Systems



## 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...

Tractel Traceability Platform

Language (EN) ▾ Login Register Contact

### STOPFOR BF LS0,3M-M41 RLX14-15

Product Id 080002\_DEM202000001

Download File

Download File

Download File

Download File

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# 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

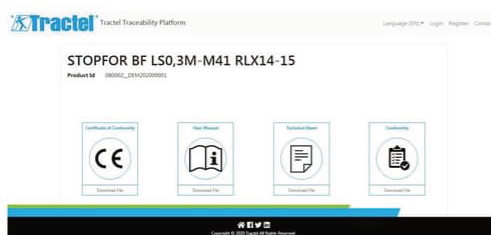
Open the QR Code Scanner app and scan the code on the packaging or product.



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.

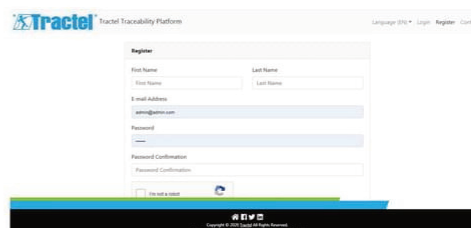


**Available downloads in PDF format:**

- 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

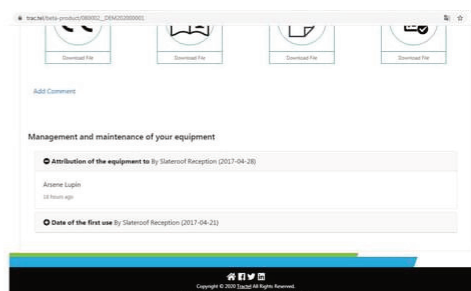
Register to have immediate access to advanced functionalities.



- 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

## 1 - GENERAL INFORMATION

2: Contacts

3: Product ranges

4: Traceability platform



## 7 - LIFTING AND HANDLING

10: Wire rope hoists

80: Chain hoists

105: Clamps

134: Lifting beams

150: Fall arresters

153: Floor handling equipment



## 155 - MEASUREMENT & CONTROL

156: Dynafor

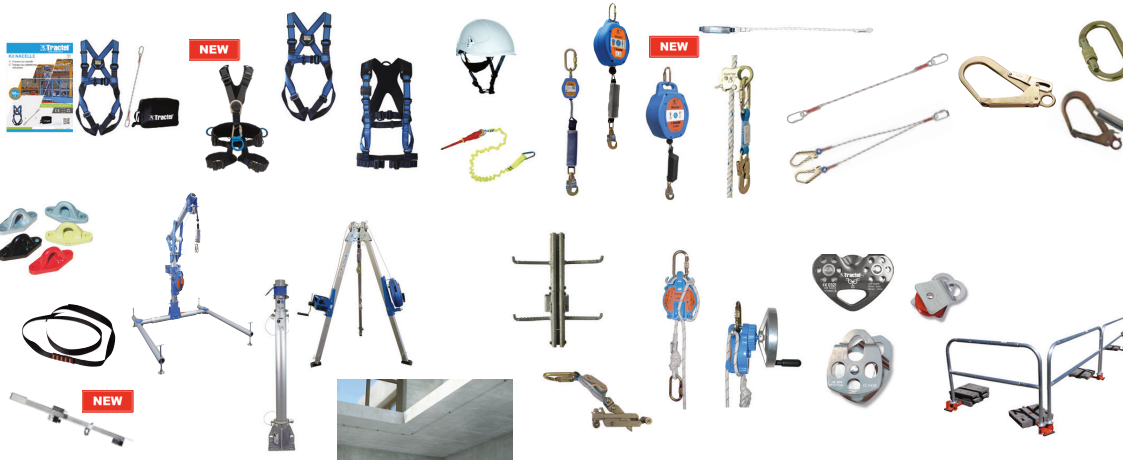
167: Dynasafe

171: Displays

172: DMU

173: Dynarope

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## 176 - HEIGHT SAFETY PRODUCTS

182: PPE kits

190: Harnesses

210: Accessories

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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:

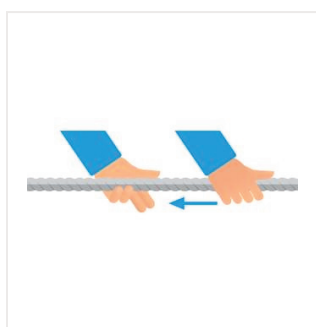
- List of the lifting gear
- Competent staff for the operation of the lifting gear
- The following documents: logbook, service records, user manuals, last audit reports from third party inspection agencies





# 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

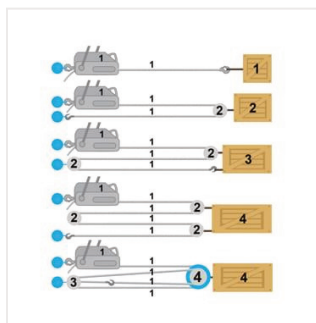
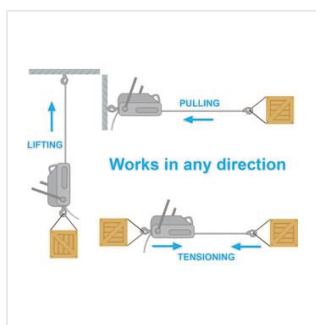
- Work can be carried out in any direction: horizontally, vertically or at an angle.
- No theoretical limit to the wire rope length.
- Manually operated for use almost anywhere.
- Motorised versions available.

## 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



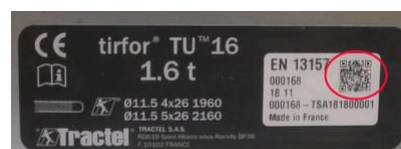
The Tirfor TU series is developed for daily heavy-duty applications under the most extreme circumstances.

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.



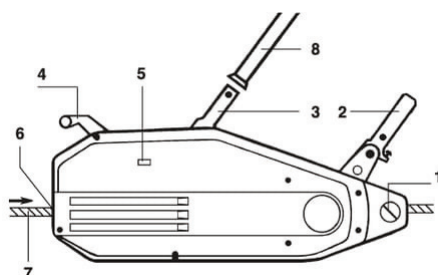
Tracinfo is our product information and documentation platform that gives you access to the documents you require wherever you are. Simply use a QR code reader to scan the identification label on the product or packaging to access a micro website specific to the product where you can download documents 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
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 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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**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.



**T508**



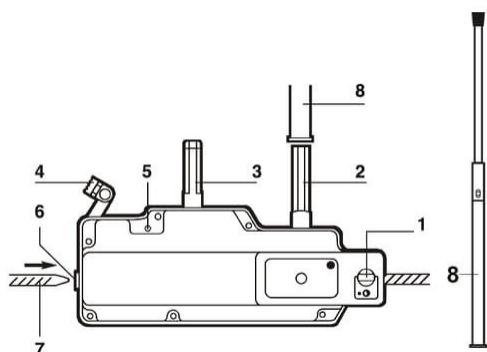
**T516**



**T532**

Tirfor T500	1,600 kg		3,200 kg		800 kg	
	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	
	ref.	Code	ref.	Code	ref.	Code
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
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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
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Made in France

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Description	ø 8.3mm	ø 11,5mm	ø 16.3mm
Length	Code	Code	Code
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## 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
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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



CE - for T508 D  
0.8 t  
3Tracel





# 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

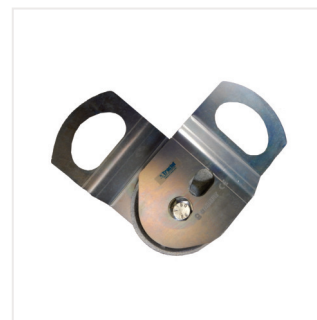




# Tirfor Accessories

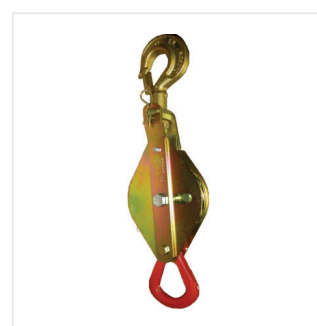
## EC Snatch Block

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



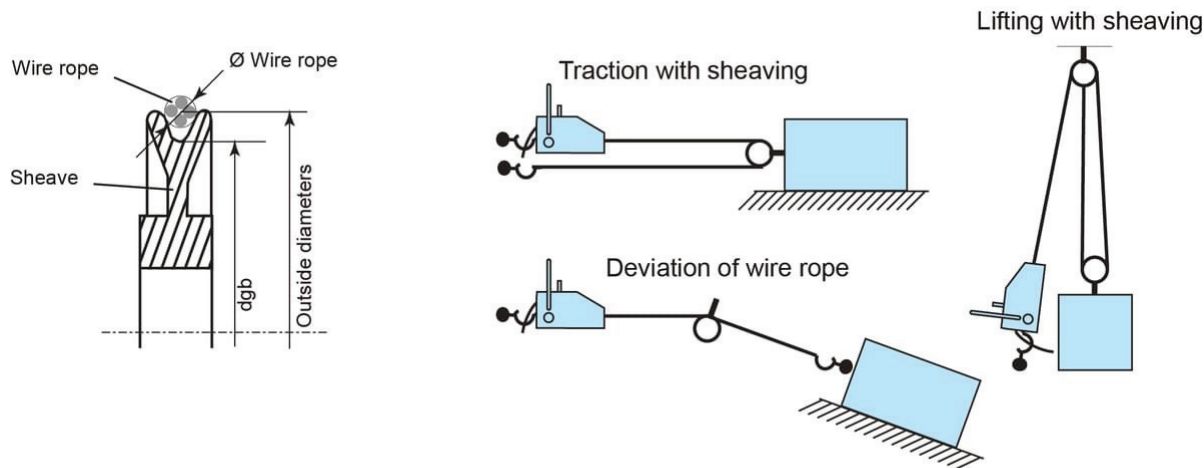
## EGZ Snatch blocks for wire rope cables

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



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# 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 m x 12 = 120 mm  
 Diameter of groove base = 120 mm - 10 mm (wire rope) = 110 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

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# Slings

## 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

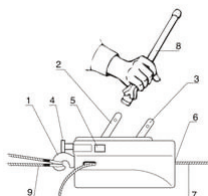
# Jockey



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

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## 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).

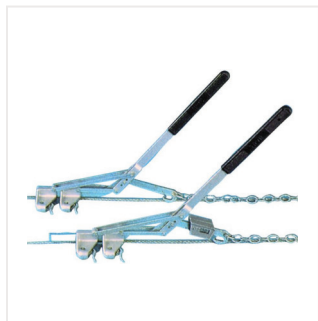
Model	Product Code
J	238417
J	238527
K	238427
K	238537

## Pulley for Jockey

Model	Product Code
Pulley A03	7479

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# 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

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## 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

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## 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 B  
2 ways  
2 x 1 600 kg



Equipment C  
4 ways  
4 x 1 600 kg



TU16H

Equipment A  
1 way  
1 x 3 200 kg



Equipment B  
2 ways  
2 x 3 200 kg



Equipment C  
4 ways  
4 x 3 200 kg



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

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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

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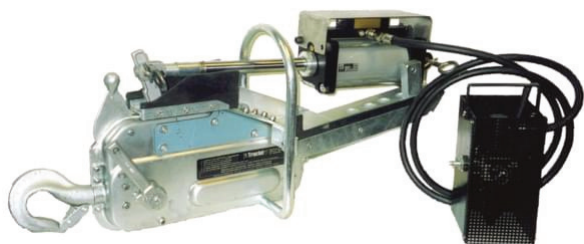
Model	Description	Product Code
Start Kit	Wire rope Ø 16.3 mm	239997
Meter of wire rope	Wire rope Ø 16.3 mm	238557

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

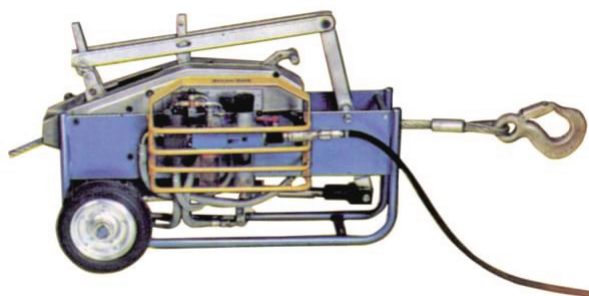


# Supertirfor TU-16A and TU-32A

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

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## 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

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## 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

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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

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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 condensor 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



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## 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.



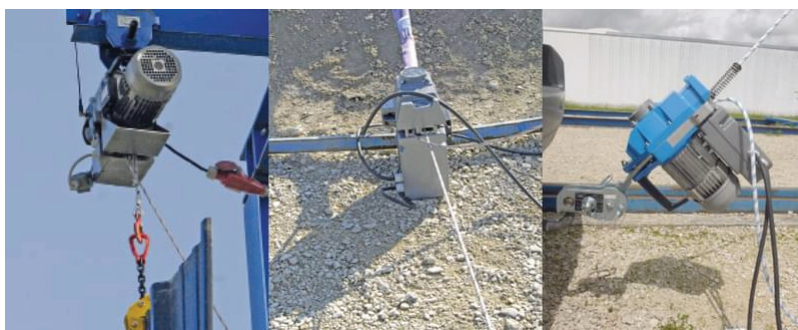
## A Unique Concept

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 TR range

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



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# 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



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# 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



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# 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



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## 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



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## 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

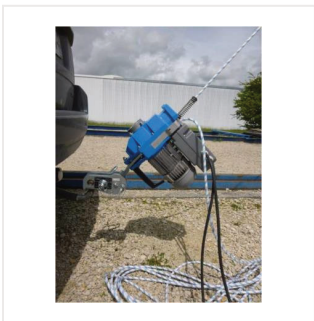
## minifor™ SY Series Reel

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



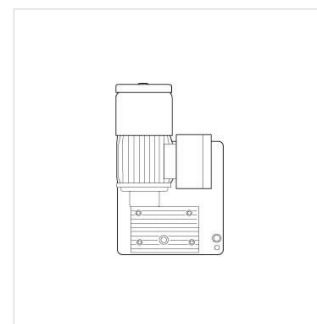


# Tirak

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 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

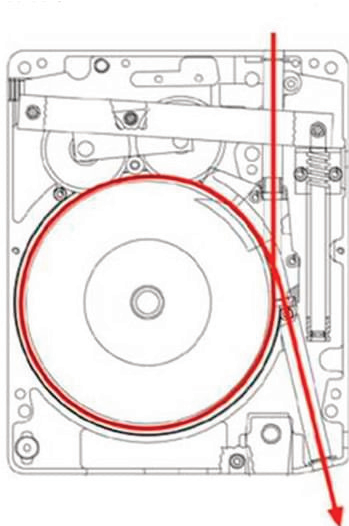
The X-series is the ideal solution for applications that require lifting in only one direction. Built using a single traction sheave, the X-series allows for easy maneuvering of heavy loads.

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

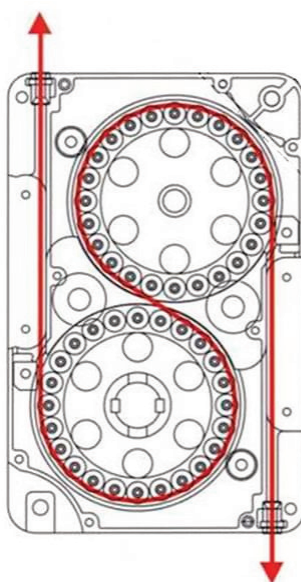
- **Quality:** combining proven technology with state-of-the-art production methods. Robust, powerful and easy to transport, the Tirak provides the ultimate in efficiency and durability, even in harsh working conditions
- **Reliability:** low cost of ownership thanks to its unique design and the extremely 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:

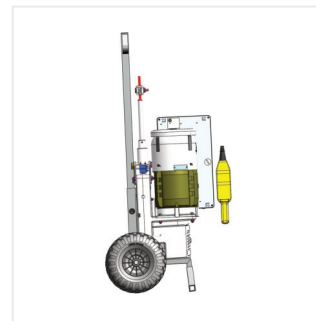
- pendant control pluggable or hard wired delivered with 3m cable
- upper limit switch built on tirak and hard wired
- delivered with 1m power supply cable

# Tirak accessories

## Transport trolley for Tirak

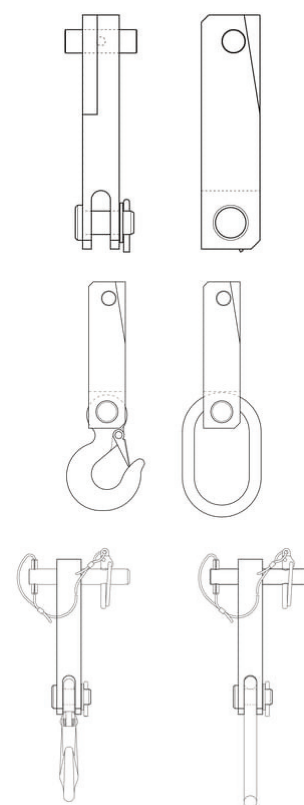
for Tirak series X500, X700, X800, X1000 & X1530

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

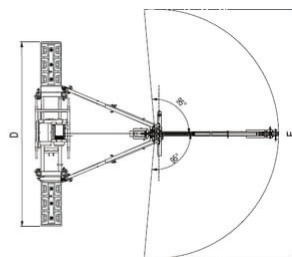
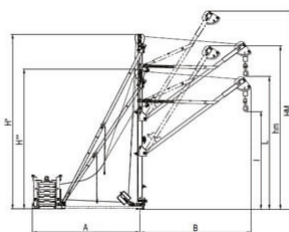
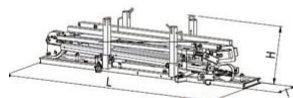
Wire Rope Type	wire rope 8.3mm	wire rope 9.5mm	wire rope 10.2mm
Description	Delivered on a drum up to 100m	Delivered on a drum up to 100m	Delivered on a drum up to 100m
Length	Code	Code	Code
20	46129	17729	55139
30	46139	17749	55149
40	46149	17769	55159
50	46159	17789	55169
60	46169	17809	39349
70	46179	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.

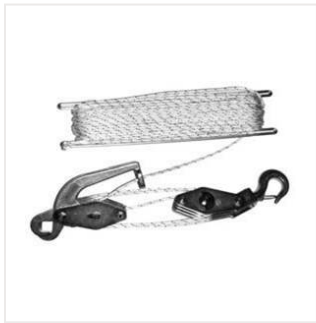
- Galvanized steel construction
- Electric motor FEM class: 1Am/M3
- Petrol engine noise emission: 2000/14/CE
- Duty cycle: 100%
- Safety factor: 4
- Wire rope with swivel safety hook
- Sheave blocks with self-lubricating bearings
- Counterweight 750 kg (30 blocks of 25 kg each)
- Limit switches
- Topping 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



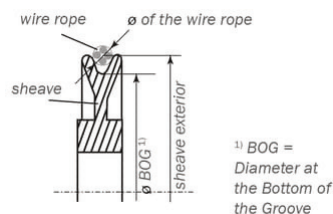
## CHARLET blocks

- 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



Winding	Reeving
Angle	Suspension load
0°	Hoist WLL x 2
15°	Hoist WLL x 1,98
30°	Hoist WLL x 1,95
45°	Host 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 ( $\emptyset dp$ ) = Wire rope  $\emptyset \times R$

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](mailto: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
C034C11MU	34/40	9/11	100	8.2	90	83699
C042C12MU	42/50	10/12.6	160	10.2	170	83709
C054C17CU	54/63	15/17	250	12.3	200	83719
C063C17CM	63/80	16/18	400	12.5	320	83729
C080C19CM	80/100	17/19	630	19	680	83739
C0131C25MM	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
C063C17CU	63/80	15/17	400	15	300	83759
C080C19CU	80/100	17/19	630	22	650	83769
C0131C25MU	131/160	23/25	1,250	30	1400	83779
C0161C34MU	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
C025C8PZ	25/32	6/8	63	6.3	5	83609
C032C10PZ	32/40	8/10	100	8.3	10	83619
C040C12PZ	40/50	10/12	160	10.3	20	83629
C044C7PZ	44/62	5/7.5	200	12.1	30	83639
C061C10PZ	61/76	8/10	300	12	60	83649
C066C8PZ	66/80	6/8	300	12.2	70	83659
C078C10PZ	78/100	6/8	300	12.2	90	83669
C078C12PZ	78/120	10/12	300	12.2	100	83679
C0118C12PZ	118/140	10/12	300	12.2	125	83689



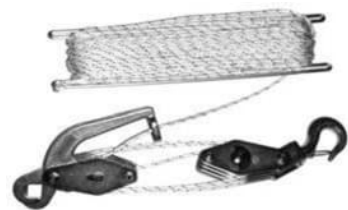
# Pulleys, Blocks and Sheaves



## BX – Sheave Axle

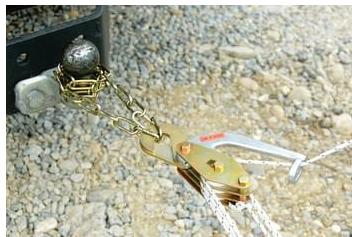
- Allows mounting of BG-BH-BN sheaves

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 tirlors 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.

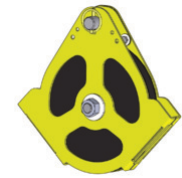
### Compatibility

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

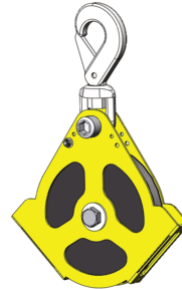
### Applications

- 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



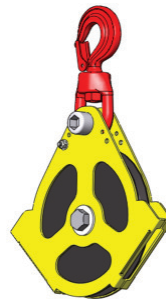
EPA



EPC



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.

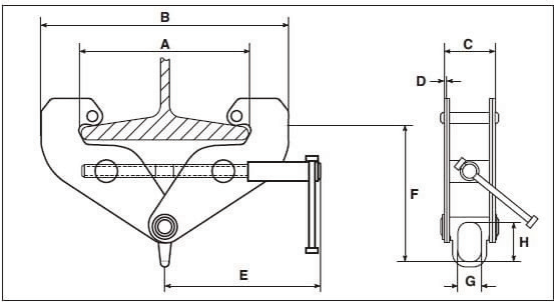
- WLL from 1t to 10t
- For beam widths from 75 - 320 mm depending on capacity
- Easy width adjustment to the size of the steel beam
- Generously sized body made of steel alloy
- High stability when fixed correctly
- Spindle bar is locked from rotating by tightening a grub screw



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-Gear 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

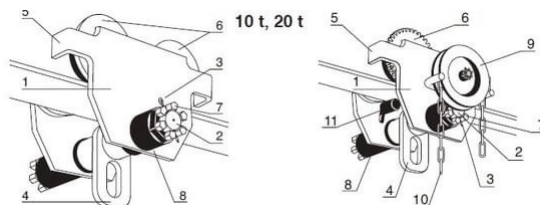
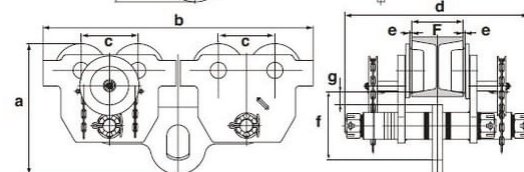
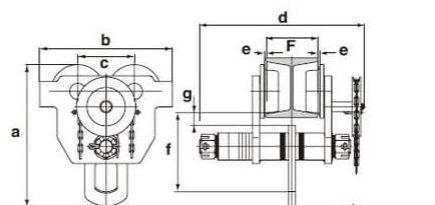
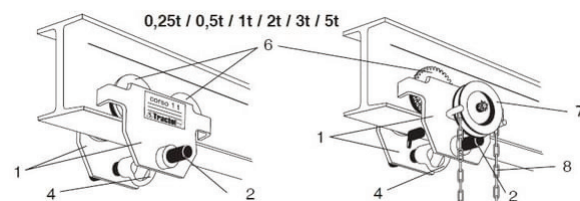
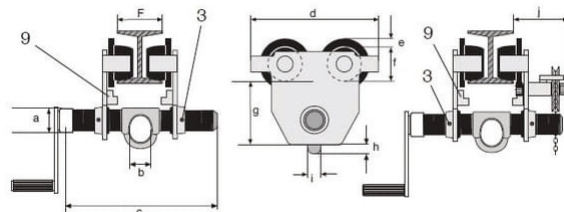
Model	WLL	Flange Width (mm)	Min.Radius (mm)	Weight (kg)	Product Code
C250	250	45 - 152	650	3.5	69289
C500	500	50 - 220	900	8.5	23309
C1000	1,000	58 - 220	1 000	10.5	23319
C2000	2,000	66 - 220	1 200	18	23329
C3000	3,000	74 - 220	1 300	32	23379
C5000	5,000	90 - 220	1 400	48.5	23389
C500	500	160 - 320	900	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



# Stainless steel manual chain hoists

## Tralift Cleantech

Tralift Cleantech is a range of stainless steel manual chain hoists.

The Tralift Cleantech series offers a solution for lifting and handling in more specialised areas such as food processing, chemical industries, clean rooms, highly corrosive environments such as water treatment and chlorine atmospheres as well as industries where steam is used.

All components in contact with the environment are manufactured using stainless steel Grade 304.

The encased gears and brake are made of carbon steel.

Load and hand chains are also made of stainless steel Grade 304 and importantly so are the top and bottom hooks and safety catches.

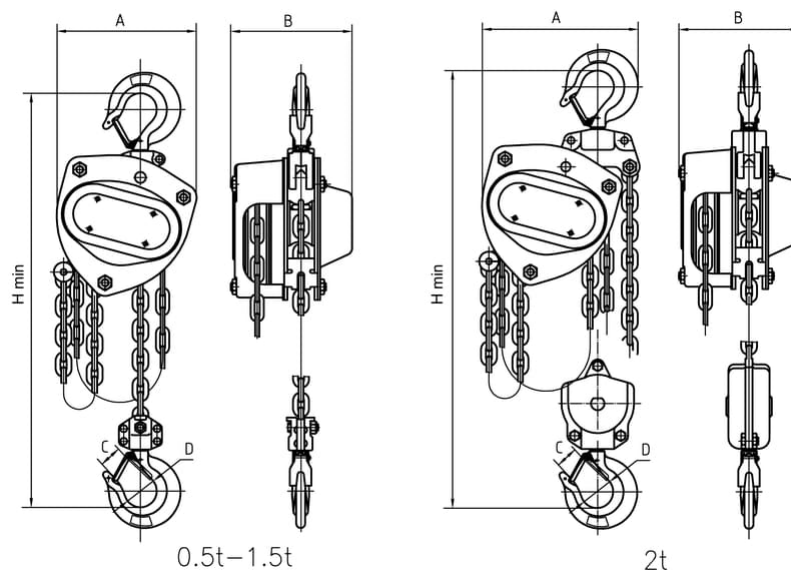
The chain hoist can be coupled with the Corso Cleantech push trolley to have a complete set in stainless steel Grade 304.



**NEW**

WLL	Lifting Height (m)	Number of Falls	Load Chain (mm)	Hand Chain (mm)	Code/Price standard lifting height 3m	Code/Price lifting height 1m	Stainless steel load chain per m	Stainless steel hand chain per m
0.5 t	3	1	6x18	5x23.3	294899	294929	288027	288167
1 t	3	1	7x21	5x23.3	294909	294939	288037	288167
2 t	3	2	7x21	5x23.3	294919	294949	288047	288167

## Tralift Cleantech dimensions and key components



WLL	Number of Falls	A	B	C	D	Hook Distance (mm)	effort on the hand chain	Load Chain (mm)	Hand Chain (mm)	Weight (kg)
0.5 t	1	172	151	26	40	376	15	6x18	5x23.3	13
1 t	1	172	151	26	40	376	31	7x21	5x23.3	14
2 t	2	192	151	34	50	425	34	7x21	5x23.3	21

# Accessories for Tralift Cleantech

## Corso Cleantech stainless steel trolley



The Corso Cleantech trolley is:

- used as a mobile anchor point on a "H" or "I" beam for lifting devices particularly Tralift Cleantech and are moved by pushing the load,
- a robust device, made with Grade 304 stainless steel,
- specially designed for applications in the food, pharmaceutical, cosmetics and clean room sectors, as well as aggressive environments with salt water or dust due to their excellent resistance to corrosion.

### TECHNICAL CHARACTERISTICS

- compact and light device,
- device mainly made up of stainless steel components,
- stainless steel wheels mounted on ball bearings greased for life,
- stainless steel side plates with end bumpers and fall arrest device,
- hanger bar with adjustment spacers, locking nuts and safety pins,
- designed and built to withstand dynamic tests at 1.1 x WLL and static at 1.5 x WLL and to guarantee a minimum mechanical resistance of 4 x WLL

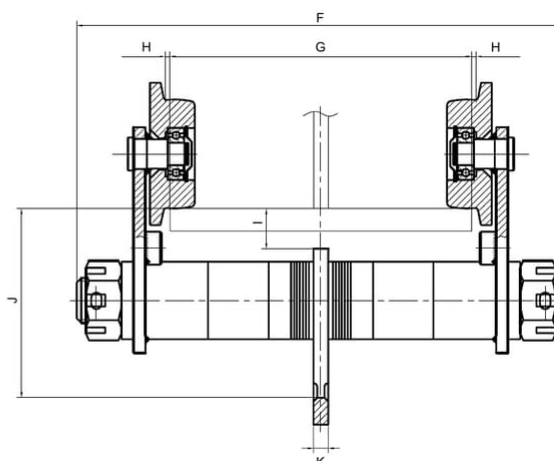
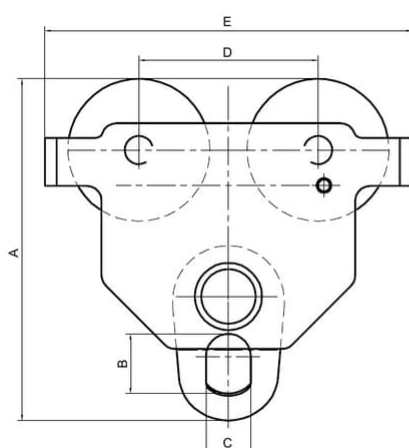
### STANDARDS

The devices Corso Cleantech conforms to:

- to the Machine Directive 2006/42 / EC and this machinery fulfils all the relevant provisions of the Supply of Machinery (Safety) Regulations 2008 (SI 2008/1597) as amended (SI 2011/1042, SI 2011/2157, SI 2019/696).
- to the European standard EN13157+A1:2009



Model	A	B	C	D	E	F	G	H	I	J	K	Min.Radius (mm)	Weight (kg)	Product Code
Corso Cleantech 0,5t	187	32	25	100	199	245	50-152	1.5-3	29.5	104	8	1000	5,8	294869
Corso Cleantech 1t	229	40	30	120	246	327	64-203	1.5-3	27	127	10	1000	12	294879
Corso Cleantech 2t	268	52	38	132	276	345	88-203	1.5-3	27	150	12	1100	19,5	294889



# Tralift - Manual chain hoists

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

Ideal for rental fleets, industrial and construction application. Tractel also offer Tralift in black format for the

entertainment industry.

Certified by TÜV Rheinland to EN13157 for capacities 500kg and above when fitted with Corolim Grade 8 EN818-7

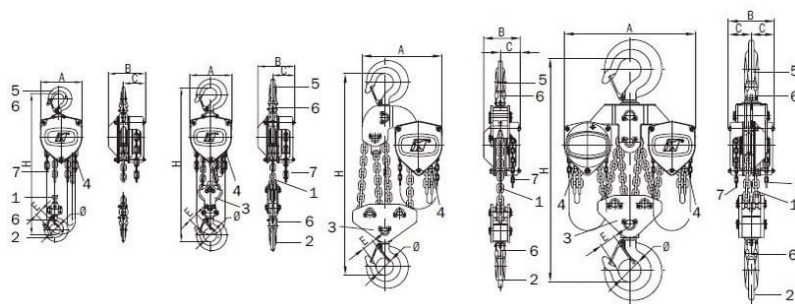
load chain which also offers excellent corrosion protection.



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

## Tralift dimensions and key components

1. Load chain
2. Lifting hook
3. Pulley block
4. Low limit stop
5. Suspension hook
6. Safety catch
7. Hand chain



0.5t/1t/1.5t/2t      WLL  
WLL2t/3t/5t      WLL 10t      WLL 20t

WLL	A	B	C	D	Ø	Hook Distance (mm)	Weight (kg)
0.25	100	110	58	20	28	230	3,7
0.5	132	117.5	70.5	22	35	330	9
1	156	139	83.5	27	40	380	12.4
1.5	178	154	87	29	45	430	16.5
2	196	156.5	89.5	33	50	470	19.6
2	156	139	83.5	33	50	520	17.2
3	178	154	87	39	55	600	24.2
5	229	180	99	44	68	700	42
10	391	180	99	58	85	920	85.1
20	641	224	112	77	110	1060	165.1

En mm.

# Tralift without load limiter



Model	3 m		4 m		5 m		6 m	
	ref.	Code	ref.	Code	ref.	Code	ref.	Code
0,25*	1 fall	75769					1 fall	75779
0,5	1 fall	222239	1 fall	222329	1 fall	222419	1 fall	222509
1	1 fall	222249	1 fall	222339	1 fall	222429	1 fall	222519
1,5	1 fall	222259	1 fall	222349	1 fall	222439	1 fall	222529
2	2 falls	222269	2 falls	222359	2 falls	222449	2 falls	222539
2	1 fall	222279	1 fall	222369	1 fall	222459	1 fall	222549
3	2 falls	222289	2 falls	222379	2 falls	222469	2 falls	222559
5	2 falls	222299	2 falls	222389	2 falls	222479	2 falls	222569
10	4 falls	222309	4 falls	222399	4 falls	222489	4 falls	222579
20	8 falls	222319	8 falls	222409	8 falls	222499	8 falls	222589

\* not EN13157

## For chain lengths different from the table above:

WLL (t)	Number of Falls	Basic kit: 1 m of chain (lifting and maneuvering)	Additional	
			lifting height	manipulation chain
0.5	1	279229	238227	238347
1	1	279239	238237	238347
1.5	1	279249	239857	238347
2	2	279259	238257	238347
2	1	279269	238247	238347
3	2	279279	238267	238347
5	2	279289	238277	238347
10	4	279299	238287	238347
20	8	279309	238297	238357

Example:

Costing for 10 m of lifting chain and 8 m of operating chain, WLL 3 t.

279229 + (9 x 238267)

# Tralift with load limiter



Model	3 m		4 m		5 m		6 m	
	ref.	Code	ref.	Code	ref.	Code	ref.	Code
0,5	1 fall	222599	1 fall	222689	1 fall	222779	1 fall	222869
1	1 fall	222609	1 fall	222699	1 fall	222789	1 fall	222879
1,5	1 fall	222619	1 fall	222709	1 fall	222799	1 fall	222889
2	2 falls	222629	2 falls	222719	2 falls	222809	2 falls	222899
2	1 fall	222639	1 fall	222729	1 fall	222819	1 fall	222909
3	2 falls	222649	2 falls	222739	2 falls	222829	2 falls	222919
5	2 falls	222659	2 falls	222749	2 falls	222839	2 falls	222929
10	4 falls	222669	4 falls	222759	4 falls	222849	4 falls	222939
20	8 falls	222679	8 falls	222769	8 falls	222859	8 falls	245009

WLL (t)	Number of Falls	Basic kit: 1 m of chain (lifting and maneuvering)	Additional lifting height	Additional manipulation chain
0.5	1	279319	238227	238347
1	1	279329	238237	238347
1.5	1	279339	239857	238347
2	2	279349	238257	238347
2	1	279359	238247	238347
3	2	279369	238267	238347
5	2	279379	238277	238347
10	4	279389	238287	238347
20	8	279399	238297	238357

Example:

Costing for 10 m of lifting chain and 8 m of operating chain, SWL 3 t.

279369 + (9 x 238267) + (7 x 238347)



# Options

Chain bags

WLL (kg)	Nb of falls	Chain length (m)									
		2	5	6	12	18	20	22	30	35	
500	1		62902			62912					
1000	1		62902			62912					
1500	1		62922	62932				62942			
2000	2		62902	62912							
2000	1		62922	62932				62942			
3000	2		62932			62942					
5000	2		62952	62962							



# Bravo lever hoist aluminium version

## Bravo AC aluminium lever hoists

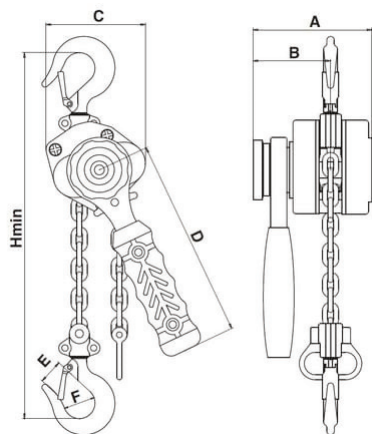


The Bravo AC series lever hoist with aluminium casings is lightweight and easily carried in its own bag, complete with belt loop.

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

Model	WLL	Lifting Height (m)	Pressure (N)	Load Chain (mm)	Weight (kg)	Product Code
Bravo AC 250 kg	0.25	1,5	170	4 x 12	2.3	251129
Bravo AC 250 kg	0.25	3	170	4 x 12	2.8	251139
Bravo AC 500 kg	0.5	1,5	190	5 x 15	3.3	251149
Bravo AC 500 kg	0.5	3	190	5 x 15	4.1	251159

## Bravo AC lever hoists dimension & key components



WLL	A	B	C	D	E	Ø	Hook Distance (mm)	Max effort of the handle (daN)
0.25	100	61	80	160	23	32	230	17
0.5	110	68	100	160	25	34	270	19

All dimensions in mm.

# Bravo without load limiter

## Machine Directive 2006/42/CE EN13157 - A1:2009 conformity



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

- Permanent load control
- Automatic load brake closure
- Optimised safety against unintentional release of the load thanks to the two independent desynchronised pawls
- Free wheel system / neutral position: fast and easy pull through of the load chain
- Wide range: capacities from 250 kg to 9 t
- Roller and block chain guides ensuring a smooth chain action through the hoist
- Galvanised fittings, epoxy paint for much greater resistance to aggressive environments
- Forged steel hooks with 360° rotation and overload opening indicators
- Compact with a light weight simplifies use and transport
- Rubber handle improves grip



WLL (t)	1,5 m		3 m		4,5 m		6 m	
	Nb of falls	Code	Nb of falls	Code	Nb of falls	Code	Nb of falls	Code
0,25	1	75749					1	75759
0,5	1	199379	1	199389	1	199399	1	199419
0,75	1	199009	1	199069	1	199129	1	199189
1	1	199029	1	199089	1	199149	1	199209
1,5	1	199039	1	199099	1	199159	1	199219
3	2	199049	2	199109	2	199169	2	199229
6	3	261189	3	261199	3	261209	3	261219

## For chain lengths different from the table above:

WLL (t)	Nb of falls	Code	Additional lifting height (m of chain)	Option Chain Locking Device CLD integrated on the chain hoist*
0.5	1	279099	238177	196898
0.75	1	279109	238187	196908
1.5	1	279129	238187	196908
3	2	279139	238197	196918
6	2	279149	238207	196928
9	2	279159	238217	196928

Example (non-standard lift height) : \*Exemple (CLD mounted on hoist) :  
 10m of chain, WLL 3 t. 3 m of chain, WLL 3 t, option CLD mounted.  
 279139 + (9 x 238207) 279139 + (2 x 238207) + 196898

# Bravo with load limiter



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

- Permanent load control
- Automatic load brake closure
- Optimised safety against unintentional release of the load thanks to the two independent desynchronised pawls
- Free wheel system / neutral position: fast and easy pull through of the load chain
- Wide range: capacities from 750 kg to 9 t
- Roller and block chain guides ensuring a smooth chain action through the hoist
- Galvanised fittings, epoxy paint for much greater resistance to aggressive environments
- Forged steel hooks with 360° rotation and overload opening indicators
- Compact with a light weight simplifies use and transport
- Rubber handle improves grip
- Compliance with Machine Directive 2006/42/CE
- EN13157 + A1:2009 conformity



WLL (t)	1,5 m		3 m		4,5 m		6 m	
	Nb of falls	Code	Nb of falls	Code	Nb of falls	Code	Nb of falls	Code
0,75	1	200939	1	210009	1	210079	1	210149
1	1	200959	1	210029	1	210099	1	210169
1,5	1	200969	1	210039	1	210109	1	210179
3	2	200979	2	210049	2	210119	2	210189
6	3	261269	3	261279	3	261289	3	261299

## For chain lengths different from the table above:

WLL (t)	Nb of falls	Code	Additional lifting height (m of chain)	Option Chain Locking Device CLD integrated on the chain hoist*
0.75	1	279169	238187	196908
1.5	2	279189	238187	196908
3	1	279199	238197	196918
6	2	279209	238207	196928
9	2	279219	238217	196928

Example (non-standard lift height): \* Example (CLD mounted on hoist):  
 10 m of chain, WLL 3 t 3 m of chain, CMU 3 t, option CLD mounted.  
 $279199 + (9 \times 238207) 279139 + (2 \times 238207) / 196898$



# Chain Locking Device - CLD

The CLD chain locking device acts as an adjustable limit on the Bravo & Tralift lever hoist when lowering the load.

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

The chain locking device is intended to be a retrofitted accessory to adapt all models and capacities of Bravo & Tralift hoists supplied by Tractel in compliance with the size of the chain. The CLD acts as a chain end stop, which can be adjusted to any position on the free side of the load chain.

Modèle	CMU du palan associé (kg)
250 kg and 500 kg	196438
750 kg and 1 ton	196448
1.5 ton	196458
3.6 ton and 9 ton	196468

Possibility of mounting the CLDs on the hoists in the factory.





# Range of Electric Chain Hoists



## volt trac™

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



## tralift™ TT

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



# Volt trac

Range of electric chain hoists - 250 to 2 000 kg



# Volt trac

Range of electric chain hoists - 250 to 2 000 kg

**Customize your Volt trac hoist starting from the starter kit.**

**Add the desired options to get the Volt trac hoist that matches your project.**



Lifting height 3 m / Pendant control box 1,80 m					Options								
WLL (kg)	Nb of falls	Nb of speeds	Lifting speed (m/min)	Code	Additional lifting height		Pendant control box : additional meter		e-trolley 1 speed 10 m/min	e-trolley 2 speeds 19-6 m/min	e-trolley 2 speeds 9-3 m/min	Additional meter pendant control box Hoist + e trolley	
					Add m	Lg Max	Add m	Lg Max				Add meter	Lg Max
250	1	1	10	280209	270917	25 m	195127	25 m	276257	276317	276517	239597	25 m
500	2	1	5	280219	270927	25 m	195127	25 m	276267	276327	276527	239597	25 m
500	1	1	8	280229	270937	25 m	195127	25 m	276277	276337	276537	239597	25 m
500	1	2	8/2	280239	270937	25 m	195127	25 m	276417	276477	276577	239597	25 m
1,000	2	1	4	280249	270947	25 m	195127	25 m	276287	276347	276547	239597	25 m
1,000	2	2	4/1	280259	270947	25 m	195127	25 m	276427	276487	276587	239597	25 m
1,000	1	1	8	280269	270957	25 m	195127	25 m	276297	276457	276557	239597	25 m
1,000	1	2	8/2	280279	270957	25 m	195127	25 m	276437	276497	276597	239597	25 m
2,000	2	1	4	280289	270967	25 m	195127	25 m	276307	276467	276567	239597	25 m
2,000	2	2	4/1	280299	270967	25 m	195127	25 m	276447	276507	276607	239597	25 m

Model	Product Code
250 kg - 1000 kg, 68 - 320 mm	108937
2000 kg 76 - 320 mm	108947

## Chain bags

WLL (kg)	Nb of falls	1	2	3	4	5	6	7	8	9	10	12	13	15	18	20	25	30	40		
250	1													276617							
500	2							276617				276627			276637						
500	1													276647							
1000	2							276647				276657			276667						
1000	1							276677									276687				
2000	2					276677				276697				276707							

# Volt trac

Options

## Eye suspension for Volt trac

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

## Trolley limit switch

Model	Product Code
trolley limit switch	75257

## Radio remote control

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



# Tralift TT

Range of electric chain hoists - 250 to 6 300 kg.

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

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





# Tralift TT

Range of electric chain hoists from 250 to 6 300 kg.

**Customize your Tralift TT starting from the starter kit.**

**Add the desired options to get the Tralift TT hoist that matches your project.**



**Hook included**

Starter pack : Lifting height 3 m / Pendant control box 1,80 m					Options			
WLL (kg)	Nb of falls	Nb of speeds	Lifting speed (m/min)	Code	Additional lifting height		Pendant control box : additional meter	
					Additional meter	Maximum Length	Additional meter	Maximum Length
250	1	2	8/2	278139	232507	240 m	195127	239 m
500	2	2	4/1	278179	232517	120 m	195127	119 m
500	1	2	8/2	278159	232527	120 m	195127	119 m
1,000	2	2	4/1	278219	232647	60 m	195127	59 m
1,000	1	2	8/2	278199	232637	55 m	195127	54 m
1,600	2	2	4/1	278239	239547	25 m	195127	24 m
1,600	1	2	8/2	293049	281137	35 m	195127	34 m
2,000	2	2	4/1	278259	239547	15 m	195127	14 m
2,000	1	2	8/2	293719	281157	15 m	195127	14 m
2,500	1	2	8/2	293089	281157	7 m	195127	6 m
3,200	2	2	4/1	293069	281147	28 m	195127	27 m
3,200	1	2	6,4/1,6	293099	281157	28 m	195127	27 m
5,000	2	2	4/1	293129	281167	14 m	195127	13 m
6,300	2	2	3,2/0,8	293139	281167	14 m	195127	13 m

# Tralift TT

Range of electric chain hoists from 250 to 6 300 kg.

## Options

Model	Product Code
Thermal protection for tralift™ TT	211587
Option radio remote control for tralift™ TT 2501B 5002B 5001B 1T2B 2V	278357
Option radio remote control for tralift™ TT 1T1B 2T2B 2V	278367
Option radio remote control for tralift™ TT 16001B 32002B 2V	281337
Option radio remote control for tralift™ TT 25001B 63002B 2V	281377
TTP 1250 - low height manual trolley for Tralift TT 250 / 500 (crosspiece included 70-140mm)	278957
Wide crossbeam option - Iron width 70 - 240 mm for electric trolley	282107
TTP 2500 - low height manual trolley for Tralift TT 1000 / 1600 (crosspiece included 88-200mm)	278967
TTP 6300 - low height manual trolley for Tralift TT 2000 / 2500 / 3200 / 5000 / 6300 (crosspiece included 91-300mm)	278987
Wide crossbeam option - Iron width 88-300 mm for electric trolley	282117

## Chain bags

WLL (kg)	Nb of falls	1	2	3	4	5	6	7	8	9	10	12	14	16	17	20	27	28	30	35	40	55	60	120	240
250	1																								
500	2																								
500	1																								
1000	2																								
1000	1																								
1600	2																								
1600	1																								
2000	2																								
2000	1																								
2500	1																								
3200	2																								
3200	1																								
5000	2																								
6300	2																								

# Tralift TT

Range of electric chain hoists from 250 to 6 300 kg - Electric trolley 2 speeds 12 - 4 m/min.

**Customize your Tralift TT starting from the starter kit.**

**Add the desired options to get the Tralift TT hoist that matches your project.**



Starter pack : Lifting height 3 m / Pendant control box 1,80 m					Options				
WLL (kg)	Nb of falls	Nb of speeds	Vitesse de levée (m/min)	Code	Additional lifting height		Pendant control box : additional meter		Traverse for electric trolley
					Additional meter	Maximum Length	Additional meter	Maximum Length	Standard (mm)
250	1	2	8/2	278279	232507	120 m	239597	119 m	70-140
500	2	2	4/1	278319	232517	60 m	239597	59 m	70-140
500	1	2	8/2	278299	232527	120 m	239597	119 m	70-140
1,000	2	2	4/1	278359	232647	60 m	239597	59 m	88-200
1,000	1	2	8/2	278339	232637	120 m	239597	119 m	88-200
1,600	2	2	4/1	278379	239547	60 m	239597	59 m	88-200
2,000	2	2	4/1	278399	239547	120 m	239597	119 m	91-300
1,600	1	2	8/2	293199	281137	35 m	239597	119m	91-300
2,000	1	2	8/2	293729	281157	32 m	239597	31 m	91-300
2,500	1	2	8/2	293239	281157	32 m	239597	31 m	91-300
3,200	1	2	6,4/1,6	293249	281157	32 m	239597	31 m	91-300
5,000	2	2	4/1	294019	281167	16 m	239597	15 m	91-300
6,300	2	2	3,2/0,8	294029	281167	16 m	239597	15 m	91-300

Model	Product Code
Wide crossbeam option - Iron width 70 - 240 mm for electric trolley	282107
Wide crossbeam option - Iron width 88-300 mm for electric trolley	282117

# Tralift TT

Range of electric chain hoists from 250 to 6 300 kg - Electric trolley 2 speeds 12 - 4 m/min.

Options	Code produit
End limit switch for e-trolley	282347
Thermal protection for tralift™ TT	211587
IP 65 for trolley	211607
Option radio remote control for tralift™ TT 16001B 32002B 2V CH2V	281357
Option radio remote control for tralift™ TT 25001B 63002B 2V CH2V	281397
Option radio remote control for tralift™ TT 2501B 5002B 5001B 1T2B 2V C2V	278397
Option radio remote control for tralift™ TT 1T1B 2T2B 2V CH2V	278407

## Chain bags

WLL (kg)	Nb of falls	1	2	3	4	5	6	7	8	9	10	12	14	16	27	28	30	35	40	55	60	120	240
250	1														231987						233027		233057
500	2														231987						233027		233057
500	1														231987						233027		233057
1000	2														231987						233027		233057
1000	1														232797						278687		
1600	1														281177								
1600	2														232797								
2000	2														232797								
2000	1														281177								
2500	1														281177								
3200	1														281177								
5000	2														281177								
6300	2														281177								

# Tralift TT one phase

Range of one phase electric chain hoists - 125 to 2 000 kg.

**Customize your Tralift TT hoist starting from the starter kit.**

**Add the desired options to get the Tralift TT hoist that matches your project.**

Starter pack : Lifting height 3 m / Pendant control box 1,80 m					Options			
WLL (kg)	Nb of falls	Nb of speeds	Lifting speed (m/min)	Code	Additional lifting height		Pendant control box : additional meter	
					Additional meter	Maximum Length	Additional meter	Maximum Length
125	1	1	8	294179	232507	15 m	195127	14 m
250	1	1	8	278969	232507	15 m	195127	14 m
500	2	1	4	278989	232517	7 m	195127	6 m
500	1	1	8	294079	232527	15 m	195127	14 m
1,000	2	1	2	279009	232647	7 m	195127	6 m
1,000	1	1	4	293159	232637	15 m	195127	14 m
2,000	2	1	2	293179	239547	7 m	195127	6 m

Model	Product Code
Option radio remote control for tralift™TT 250 1B 500 2B-1B 1T 2B 1V	278337
Option radio remote control for tralift™ TT 1T1B 2T2B 1V	278347
TTP 1250 - low height manual trolley for Tralift TT 250 / 500 (crosspiece included 70-140mm)	278957
Wide crossbeam option - Iron width 70 - 240 mm for electric trolley	282107
TTP 2500 - low height manual trolley for Tralift TT 1000 / 1600 (crosspiece included 88-200mm)	278967
Wide crossbeam option - Iron width 88-300 mm for electric trolley	282117
TTP 6300 - low height manual trolley for Tralift TT 2000 / 2500 / 3200 / 5000 / 6300 (crosspiece included 91-300mm)	278987

## Chain bags

WLL (kg)	Nb of falls	1	2	3	4	5	6	7	8	9	10	20	30	40	50
125	1											282727			
250	1											231987			
500	2											231987			
500	1											231987			
1000	2											231987			
1000	1											232797			
2000	2											232797			



# Tralift TT one phase

Range of one phase electric chain hoists - 250 to 2 000 kg - with electric trolley 1 speed (12 m/min).

Customize your Tralift TT hoist starting from the starter kit.

Add the desired options to get the Tralift TT hoist that matches your project.

Starter pack : Lifting height 3 m / Pendant control box 1,80 m -					Options				
WLL (kg)	Nb of falls	Nb of speeds	Lifting speed (m/min)	Code	Additional lifting height		Pendant control box : additional meter		Crosses for electric trolley Standard (mm)
					Additional meter	Maximum Length	Additional meter	Maximum Length	
250	1	1	8	279029	232507	15 m	239597	14 m	70 - 140
500	1	1	4	279049	232517	7 m	239597	6 m	70 - 140
500	2	1	4	294089	232527	15 m	239597	14 m	70 - 140
1,000	2	1	2	279069	232647	7 m	239597	6 m	88 - 200
1,000	1	1	4	294049	232637	15 m	239597	14 m	88 - 200
2,000	2	1	2	294069	239547	7 m	239597	6 m	88 - 200

Options	Code
Wide crossbeam option - Iron width 70 - 240 mm for electric trolley	282107
Wide crossbeam option - Iron width 88-300 mm for electric trolley	282117
Option radio remote control for tralift™ TT 2501B 5002B 5001B 1T2B 1V C1V	278417
Option radio remote control for tralift™ TT 1T1B 2T2B 1V CH1V	278427

## Chain bags

WLL (kg)	Nb of falls	1	2	3	4	5	6	7	8	9	10	20	30	40	50
250	1											231987			
500	2														
500	1														
1000	2														
1000	1														
2000	2														

# Tralift TTR

Range of electric chain hoists equipped with STAINLESS STEEL load lifting chain - 250 to 1 000 kg.

**Customize your Tralift TTR hoist starting from the starter kit.**

**Add the desired options to get the Tralift TTR hoist that matches your project.**

Starter pack : Lifting height 3 m / Pendant control box 1,80 m					Options			
WLL (kg)	Nb of falls	Nb of speeds	Lifting speed (m/min)	Code	Additional lifting height		Pendant control box : additional meter	
					Additional meter	Maximum Length	Additional meter	Maximum Length
250 kg	1	2	8 - 2 m/min	279429	238737	120 m	195127	119 m
500 kg	1	2	8 - 2 m/min	293739	276957	120 m	195127	119 m
500 kg	2	2	4 - 1 m/min	279439	270117	120 m	195127	119 m
1,000 kg	2	2	4 - 1 m/min	279449	238747	60 m	195127	59 m
250 kg	1	1	8 m/min	279459	238737	120 m	195127	119 m
500 kg	2	1	4 m/min	279469	270117	120 m	195127	119 m

Model	Product Code
Option radio remote control for tralift™ TT 2501B 5002B 5001B 1T2B 2V	278357
Option radio remote control for tralift™ TT 250 1B 500 2B-1B 1T 2B 1V	278337

## Chain bags

WLL (kg)	Nb of falls	1	2	3	4	5	6	7	8	9	10	12	14	16	20	28	30	40	60	120	240
250	1																				
500	1																				
500	2																				
1000	2																				
250	1																				
500	2																				

# Tralift TT - special models



## Tralift TT ATEX

To be used in EX proof site (ATEX).



## Tralift TTHK

Handy chain model for fast and easy handling of loads

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

*Option:* handy kit for retrofitting of standard electric chain hoist

*Option:* with frequency inverter



## Tralift TTS

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

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

*Option:* with trolleys

*Option:* with frequency inverter



## Tralift TTW

Electric chain hoist for wind turbines:

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

*Option:* with manual or motorised trolley

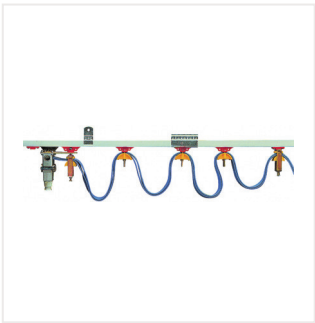
*Option:* chain container

# Power Line Systems

## Flat cable conductor systems

- Galvanized track rail length 2 m, with connectors
- Rail brackets to be clamped
- Cable trolleys, tow trolley
- Cable-fixed end stops
- Terminal box
- Flat cable with cable glands

Model	Product Code
4 m	38018
5 m	38028
6 m	38038
7 m	38048
8 m	38058
9 m	38068
10 m	38078
11 m	38088
12 m	38098
13 m	38108
14 m	38118
15 m	38128
16 m	38138
17 m	38148
18 m	38158
19 m	38168
20 m	38178



## Bus bar conductor system

- PVC section element
- Terminal box
- Covering flange
- Collector trolley with leading arm
- End cap
- Fixing brackets



# Tralift TR

## Pneumatic chain hoist

- Adjustable lifting speed
- End limit switch
- Compact
- Low headroom
- Disc brake
- Operated pressure: 6,3 bars
- Noise level less than 83 dBA to 1 m

**Standard:**

- 3 m lift - 2 m control cable
  - Control by pendant rope or pendant box with button and emergency
  - Galvanised lifting chain according to DIN 818-7
  - Overload integrated device 1 fall
  - Complete range up to W.L.L. 75 t
  - Chain box
  - To be used un EX proof site (ATEX). For other zones : confirm classification
- 
- Pneumatic traversing trolley : on request



[Consult us](#)





# TOPAL



## TOPAL RANGE

Tractel offers a complete range of lifting accessories (clamps, beams, etc.) to facilitate safe lifting and movement of materials.

## STANDARD PRODUCTS

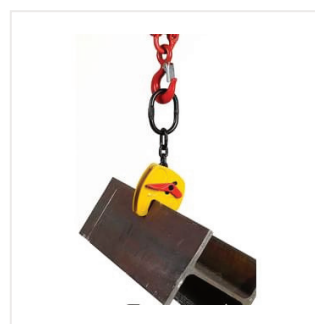
All standard products exceed the highest safety requirements and are designed from a user's point of view: versatile, robust, simple and suitable for use in building, industry, maritime, on-shore, off-shore, etc. All products are available from stock.

## SPECIAL SOLUTIONS

The specialists from the Solutions department design, produce and test a wide variety of special products with a capacity up to 500 t and beyond, in accordance with customer requirements. Special products are: Crane blocks, Rotablocks, lifting beams, wire rope blocks, C-hooks, directional blocks, sheaves, swivels, etc.

All our products are CE & UKCA conform.

They are all delivered with instruction manual + CE/UKCA certificate





## TOPAL special designs



Tractel Solutions SAS manufactures on request a wide range of lifting clamps, either derived from standard clamps or designed for a special application.

From a simple polyurethane coating on an existing clamp up to a completely new design.

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](mailto:info.tractelsolutions@tractel.com)





# Construction clamps

## BX Kerbstone Clamps

- Easy to transport
- Easy to handle
- Great adherence without marking the load.
- Minimised damage risk

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
BX12 1000	120	1 000	9	54008
BX01D 1000	100	1 000	13	50018
BX02 120-130	200	120-300	10	50028
BX200	200	1 000	13	54788



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## SCX-CX Lifting Beam For Conical Pipe Sections

- Lifting & laying of cone-shaped concrete manholes
- CX model ensures contact on 2 points on the load
- SCX model ensures contact on 3 points on the load
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	Description	WLL	Max. Opening (mm)	Weight (kg)	Product Code
CX1	Lifting beam	1,000	650	10	52628
SCX1	Lifting beam	1,000	650	20	50788
SCXE	Chain 2-jump for SCX1 - L=490 mm	1,000	-	2	52618



CX1



SCX

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## RB Lifting Clamp For Concrete Pipe Sections or Manholes

- Hooks for lifting circular or rectangular concrete manholes
- Manufactured without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	Description	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
RB1.5 40-110	Lifting clamp	500	40-110	9	50728
RBE 1500	Chain 3-hooks, l=1,500 mm for 3 RB clamps	1,500	-	4.9	50738
RBE 1	2-Leg sling RB1.5 HOOKS	1,000	-	2.7	52468
RB1.5 E-3	-	1,500	-	31	54068
RB1.5 E-2	-	1,000	-	21	54078



# Construction clamps

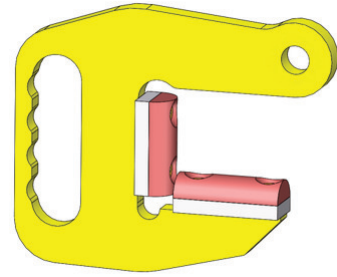
## F lifting hook for pipe sections



F Hook



F Hook PVC version



F Hook PU version

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- Lifting of horizontal pipes or tubes
- Large capacity hooks
- Quick and easy to use
- Coating possible
- Capacity from 1 to 15 t/pair

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
F2 0-60	1,000	0-60	2	189028
F5 0-75	2,500	0-75	5	189038
F7.5 0-100	3,250	0-100	7.5	185958
F10 - 0-100	5,000	0-100	15	189048
F15 0-100	7,500	0-100	20	189058

## F lifting hook PVC version

for sensitive goods to avoid marking of the surface

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
F2-0-60/IIPVC	1,000	0-60	2	185968
F5-0-75/IIPVC	2,500	0-75	5	185978
F7.5-0-100/IIPVC	3,250	0-100	7.5	185988
F10-0-100/IIPVC	5,000	0-100	15	185998
F15-0-100/IIPVC	7,500	0-100	20	189008

## F lifting hook PU version

for goods with more stable surface to avoid marking

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
F2-0-45/IIPU	1,000	0-45	2	189078
F5-0-55/IIPU	2,500	0-55	5	189088
F7.5-0-90/IIPU	3,250	0-90	7.5	189098
F10-0-90/IIPU	5,000	0-90	15	189108
F15-0-90/IIPU	7,500	0-90	20	189118

# Construction clamps

## 2-legged chain sling with shackles for F hooks

### Slings 2 x F2 / < 2 000 kg

Model	Jaw Opening (mm)	Product Code
E2W04000HR/1000	1 400	191808
E2W04000HR/2000	2 800	191818
E2W04000HR/3000	4 200	191828
E2W04000HR/4000	5 600	191838
E2W04000HR/5000	7 000	191848

### Slings 2 x F5 / < 5 000 kg

Model	Jaw Opening (mm)	Product Code
E2W06700HR/1000	1 400	192158
E2W06700HR/2000	2 800	192168
E2W06700HR/3000	4 200	192178
E2W06700HR/4000	5 600	192188
E2W06700HR/5000	7 000	192198

### Slings 2 x F7.5 / < 10 000 kg

Model	Jaw Opening (mm)	Product Code
E2W11500HR/1000	1 400	192258
E2W11500HR/2000	2 800	192268
E2W11500HR/3000	4 200	192278
E2W11500HR/4000	5 600	192288
E2W11500HR/5000	7 000	192298

### Slings 2 x F10 / < 10 000 kg

Model	Jaw Opening (mm)	Product Code
E2W11500HR/1000	1 400	192258
E2W11500HR/2000	2 800	192268
E2W11500HR/3000	4 200	192278
E2W11500HR/4000	5 600	192288
E2W11500HR/5000	7 000	192298

### Slings 2 x F15 / < 15 000 kg

Model	Jaw Opening (mm)	Product Code
E2W17000HR/1000	1 400	192308
E2W17000HR/2000	2 800	192318
E2W17000HR/3000	4 200	192328
E2W17000HR/4000	5 600	192338
E2W17000HR/5000	7 000	192348



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# Construction clamps

## TB Lifting Hook For Pipe Sections

- Quick and easy to use
- Coating possible
- Capacity from 1 to 15 t/pair

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
TB1 0-150	500	0-150	4	50798
TB2 0-200	1,000	0-200	9	50808
TB3 0-250	1,500	0-250	15	50818
TB1 0-125-PU	500	0-125	4	189128
TB2 0-175-PU	1,000	0-175	9	189138
TB3 0-225-PU	1,500	0-225	15	189148

## 2-legged chain sling with shackles for TB hooks

### Slings 2 x TB1/ < 1000 kg

Model	Jaw Opening (mm)	Product Code
E2W01600HR/1000	1 400	191708
E2W01600HR/2000	2 800	191718
E2W01600HR/3000	4 200	191728
E2W01600HR/4000	5 600	191738
E2W01600HR/5000	7 000	191748

### Slings 2 x TB2/ < 2000 kg

Model	Jaw Opening (mm)	Product Code
E2W04000HR/1000	1 400	191808
E2W04000HR/2000	2 800	191818
E2W04000HR/3000	4 200	191828
E2W04000HR/4000	5 600	191838
E2W04000HR/5000	7 000	191848

### Slings 2 x TB3/ < 3000 kg

Model	Jaw Opening (mm)	Product Code
E2W04100HR/1000	1 400	191858
E2W04100HR/2000	2 800	191868
E2W04100HR/3000	4 200	191878
E2W04100HR/4000	5 600	191888
E2W04100HR/5000	7 000	191898



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# Construction clamps

## TI - Lifting Clamp For Round Materials and Pipe Sections

- Clamps for lifting & laying horizontal pipes in trenches
- Transport and/ or laying in trenches of pipes, bars, tubes...
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)
- Chloroprene coating for sensitive goods to avoid marking of the surface

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
TIA05 230-400	500	230-400	37	50948
TIS05 230-400	500	230-400	35	50938
TIA1 450-900	1,000	450-900	64	50988
TIS1 450-900	1,000	450-900	64	50978
TIA05 380-650	500	380-650	39	50968
TIS05 380-650	500	380-650	39	50958
TIA 380-650 CR	500	380-650	39	189188
TIS 380-650 CR	500	380-650	39	189178
TIA 230-400 CR	500	230-400	37	189168
TIS 230-400 CR	500	230-400	35	189158
TIA1 450-900 CR	1,000	450-900	64	189208
TIS1 450-900 CR	1,000	450-900	64	189198

S = Automatic laying down

A = Automatic clamping and laying down

CR = Chloroprene coating



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# Vertical plate clamps



## KF clamp

- Vertical lifting
- Handling of unit steel loads
- Spring safety system
- Hardness 300 HB

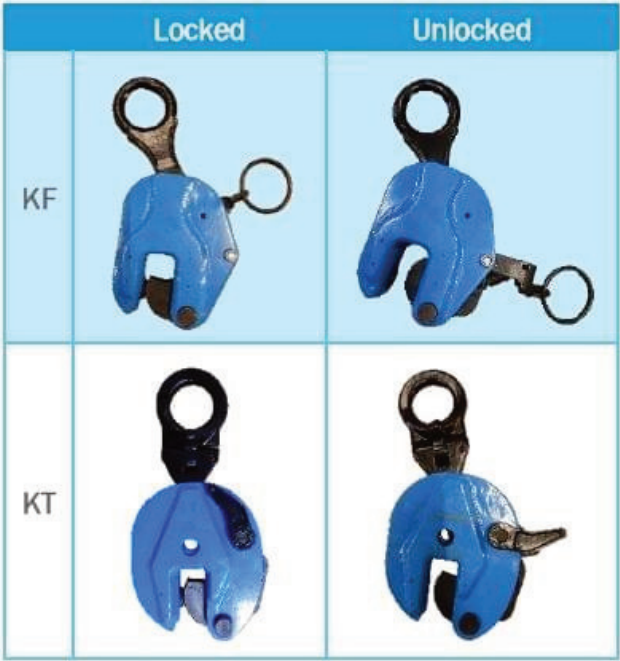
Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
KF 1 0-22	1,000	0-22	3.8	189418
KF 2 0-30	2,000	0-30	6.3	189428
KF 3 0-35	3,000	0-35	9.6	189438
KF 5 0-50	5,000	0-50	19	189448



## KT clamp

- Lifting and tilting, vertical to horizontal
- Handling of unit steel loads
- Spring safety system
- Hardness 300 HB

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
KT 0.5 0-15	500	0-15	2	189918
KT 1 0-20	1,000	0-20	4.5	189928
KT 2 0-25	2,000	0-25	7.3	189938
KT 3 0-30	3,000	0-30	15	189948
KT 5 0-50	5,000	0-50	21.6	189958
KT 8 45-80	8,000	45-80	38.3	189968



# Vertical plate clamps

## KS - Multi-Position Lifting Clamp

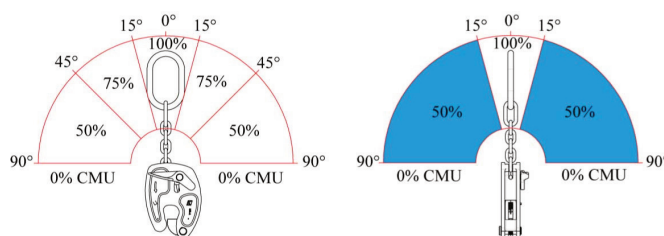
- Horizontal and vertical use
- Manual release
- One-sided mark
- Spare parts kits available.
- Safety coefficient according to EN 13155
- Pliers tested individually before delivery
- Hot epoxy coating
- Hardness up to 300 HB

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
KS075 0-15	750	0-15	1.55	50238
KS1 0-20	1,000	0-20	3.5	50248
KS2 0-25	2,000	0-25	6.26	50258
KS3 0-30	3,000	0-30	12.1	50268



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USE



		LIFTING	TURNING
VERTICAL PLATE	ONE CLAMP	<p>WLL at 100% +/- 15° around the vertical</p>	<p>WLL reduced with 50%</p>
	2 CLAMPS WITHOUT LIFTING BEAM	<p>WLL reduced with 50% if lifting angle exceeds 30°</p>	
HORIZONTAL PLATE	ONE CLAMP		<p>WLL reduced with 50%</p>
	2 CLAMPS WITH LIFTING BEAM	<p>WLL reduced with 50%</p>	
	2 CLAMPS WITHOUT LIFTING BEAM		

# Vertical plate clamps



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## NK - Automatic Lifting Clamp

- Horizontal and vertical use
- Closes automatically
- Manual release
- Hot epoxy coating
- Hardness up to 330 HB

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
NK1 0-20	1,500	0-20	4	50288
NK1 20-40	1,500	20-40	6	50298
NK1 40-60	1,500	40-60	6	50308
NK2 0-30	3,000	0-30	13	50318
NK2 30-60	3,000	30-60	15	50328
NK2 60-90	3,000	60-90	17	50338
NK3 0-40	4,500	0-40	25	50348
NK3 40-80	4,500	40-80	26	50358
NK3 80-120	4,500	80-120	27	50368
NK5 0-50	7,500	0-50	42	50378
NK5 50-100	7,500	50-100	50	50388
NK5 100-150	7,500	100-150	60	50398



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## NX - NXR Automatic Lifting Clamp

- Non-marking
- Horizontal and vertical use
- Closes automatically
- Manual release
- Hot epoxy coating

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
NX05 0-20	500	0-20	4.5	50408
NX1.5 0-30	1,500	0-30	11	50418
NXR05 0-100	500	0-100	6	50428
NXR05 20-120	500	20-120	5.8	50438
NXR05 40-140	500	40-140	6	50448





# Horizontal plate magnets

magfor™ - Permanent magnet lifters

## Magfor II Lifting Magnet

- Permanent magnet lifter
- Capacity up to 5t
- Very powerful
- Large lifting eye
- Robust
- Use: -20 to +80 °C

Model	W.L.L. (Plate/Flat)	W.L.L. (Round)	Weight (kg)	Product Code
magfor™ II 100	100	50	4	185438
magfor™ II 300	300	125	9.5	185448
magfor™ II 500	500	215	18	185458
magfor™ II 1000	1 000	450	41.5	185468
Magfor™ II 2000	2 000	800	113	185478
magfor™ II 3000	3 000	1 200	190	192138
magfor™ II 5000	5 000	2 400	400	192148



## Magfor™ II HT Lifting Magnet

- Permanent magnet lifter
- High-temperature applications
- Material:  $\leq +250$  °C
- In accordance with EN 13155:2003 standard

Model	W.L.L. (Plate/Flat)	W.L.L. (Round)	Weight (kg)	Product Code
magfor™ II 200 HT	200	100	9.5	185518
magfor™ II 400 HT	400	200	18	185548
Magfor II 800 HT	800	400	41.5	185578



# Horizontal plate clamps

magfor™ - Permanent magnet lifters



## Magfor II HO Lifting Magnet

- Permanent magnet lifter
- 4 thread holes
- Customized assembly
- In accordance with EN 13155:2003 standard

Model	W.L.L. (Plate/Flat)	W.L.L. (Round)	Weight (kg)	Product Code
magfor™ II 100 HO	100	50	4	185508
magfor™ II 300 HO	300	125	9.5	185538
Magfor II 500 HO	500	215	18	185568
magfor™ II 1000 HO	1 000	450	41.5	185588



## magfor™ II TP Lifting Magnet

- Permanent magnet lifter
- Designed to separate thin plates in a bundle
- Separating thin plates
- Unique magnetic field

Model	W.L.L. (Plate/Flat)	Weight (kg)	Product Code
magfor™ II 180 TP	180	9.5	185528
magfor™ II 300 TP	300	18	185558



# Magfor™ Auto

## Battery powered permanent magnet

Magfor Auto is a permanent magnet that is activated by a motor and powered by a battery. The activation / deactivation of the magnetism can be done either automatically or by pushing a button.

Designed to lift flat or cylindrical steel parts

Two lifting magnets can be used simultaneously on one lifting beam in automatic mode

Can be used on a crane

No battery consumption during lifting. Only a short pulse of less than one second is required for magnetising and demagnetising.

A built-in safety mechanism prevents demagnetising and release of the load when it is suspended. (ADPREM safety system) The electro-permanent technology maintains the full holding force even in the event of a power failure.

Can be used in mechanical engineering, toolmaking, plant construction, shipbuilding, steelworks, cutting operations, transporters or warehouses.

Model	WLL kg (Plate/Flat)	WLL kg (Round)	Product Code
Magfor Auto 200	200	50	192208
Magfor Auto 500	500	200	192218
Magfor Auto 950	1000	400	192228
Spare battert for Magfor Auto 500 & 950	-	-	192238



# Horizontal plate clamps

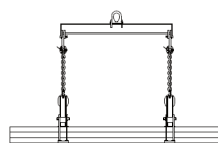
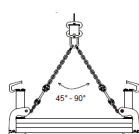
## TLC Lifting Clamp

- Universal clamps for lifting horizontal plates
- Lifting thin or thick loads
- Manufactured without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)
- Sling angle 45° to 90°



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Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
TLC1	500	0-150	12	50998
TLC2.5	1,250	0-150	15	51008
TLC4	2,000	0-150	17	51018
TLC6	3,000	0-150	22	51028



## 2-legged chain sling with shackles for TB hooks

### Slings 2x TLC 1 / ≤ 1000kg

Model	Jaw Opening (mm)	Product Code
E2W01600C0/1000	1 400	191008
E2W01600C0/2000	2 800	191018
E2W01600C0/3000	4 200	191028
E2W01600C0/4000	5 600	191038
E2W01600C0/5000	7 000	191048

### Slings 2x TLC 2.5 / ≤ 2500kg

Model	Jaw Opening (mm)	Product Code
E2W04000C0/1000	1 400	191108
E2W04000C0/2000	2 800	191118
E2W04000C0/3000	4 200	191128
E2W04000C0/4000	5 600	191138
E2W04000C0/5000	7 000	191148

### Slings 2x TLC 4 / ≤ 4000kg

Model	Jaw Opening (mm)	Product Code
E2W06300C0/1000	1 400	191208
E2W06300C0/2000	2 800	191218
E2W06300C0/3000	4 200	191228
E2W06300C0/4000	5 600	191238
E2W06300C0/5000	7 000	191248

### Slings 2x TLC 6 / ≤ 6000kg

Model	Jaw Opening (mm)	Product Code
E2W06700C0/1000	1 400	191258
E2W06700C0/2000	2 800	191268
E2W06700C0/3000	4 200	191278
E2W06700C0/4000	5 600	191288
E2W06700C0/5000	7 000	191298



# Horizontal plate clamps

## 3-legged chain sling with shackles for TB hooks

### Slings 3 x TLC 1 / $\leq 1500$ kg

Model	Jaw Opening (mm)	Product Code
E3W02400C0/1000	1 400	191358
E3W02400C0/2000	2 800	191368
E3W02400C0/3000	4 200	191378
E3W02400C0/4000	5 600	191388
E3W02400C0/5000	7 000	191398

### Slings 3 x TLC 2.5 / $< 3750$ kg

Model	Jaw Opening (mm)	Product Code
E3W06000C0/1000	1 400	191458
E3W06000C0/2000	2 800	191468
E3W06000C0/3000	4 200	191478
E3W06000C0/4000	5 600	191488
E3W06000C0/5000	7 000	191498

### Slings 3 x TLC 4 / $< 6000$ kg

Model	Jaw Opening (mm)	Product Code
E3W08500C0/1000	1 400	191558
E3W08500C0/2000	2 800	191568
E3W08500C0/3000	4 200	191578
E3W08500C0/4000	5 600	191588
E3W08500C0/5000	7 000	191598

### Slings 3 x TLC 9 / $< 9000$ kg

Model	Jaw Opening (mm)	Product Code
E3W10700C0/1000	1 400	191608
E3W10700C0/2000	2 800	191618
E3W10700C0/3000	4 200	191628
E3W10700C0/4000	5 600	191638
E3W10700C0/5000	7 000	191648



Made in France



# Horizontal plate clamps



Made in France

## TLR Lifting Clamp

- Adjustable clamps for horizontal plates
- Use in pairs for lifting plates or sheets, individual or in bundles
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
TLR2 0-300	1,000	0-300	9	51158
TLR3 0-300	1,500	0-300	14	51168
TLR5 0-300	2,500	0-300	22	51178
TLR10 0-300	5,000	0-300	29	51188



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## TLH Lifting Clamp

- Horizontal plate clamps
- Use in pairs for lifting horizontal plates or sheet metals
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
TLH1 0-60	500	0-60	3	51038
TLH1 0-120	500	0-120	5	51048
TLH2 0-60	1,000	0-60	5	51058
TLH2 0-120	1,000	0-120	8	51068
TLH3 0-60	1,500	0-60	6	51078
TLH3 0-150	1,500	0-150	13	51088
TLH4 0-60	2,000	0-60	8	51098
TLH4 0-150	2,000	0-150	17	51108
TLH5 0-60	2,500	0-60	10	51118
TLH5 0-150	2,500	0-150	21	51128
TLH10 0-60	5,000	0-60	16	51138
TLH10 0-150	5,000	0-150	31	51148
TLH1 0-40-PU	500	0-40	3	189218
TLH1 0-100-PU	500	0-100	5	189228
TLH2 0-40-PU	1,000	0-40	5	189238
TLH2 0-100-PU	1,000	0-100	8	189248
TLH3 0-40-PU	1,500	0-40	6	189258
TLH3 0-130-PU	1,500	0-130	13	189268
TLH4 0-40-PU	2,000	0-40	8	189278
TLH4 0-130-PU	2,000	0-130	17	189288
TLH5 0-40-PU	2,500	0-40	10	189298
TLH5 0-130-PU	2,500	0-130	21	189308
TLH10 0-40-PU	5,000	0-40	16	189318
TLH10 0-130-PU	5,000	0-130	31	189328

# Horizontal plate clamps

## 2-legged chain sling with shackles for TLH/TLR clamps

### Sling 2 x TLH 1 / $\leq 1.000$ kg

Model	Jaw Opening (mm)	Product Code
E2W01600C0/1000	1 000	191008
E2W01600C0/2000	2 000	191018
E2W01600C0/3000	3 000	191028
E2W01600C0/4000	4 000	191038
E2W01600C0/5000	5 000	191048

### 2 x TLH 10 / $\leq 10.000$ kg

Model	Jaw Opening (mm)	Product Code
E2W11500C0/1000	1 000	191308
E2W11500C0/2000	2 000	191318
E2W11500C0/3000	3 000	191328
E2W11500C0/4000	4 000	191338
E2W11500C0/5000	5 000	191348

### Slings 2x TLH 2-3 / $\leq 2.000$ kg - $\leq 3.000$ kg

Model	Jaw Opening (mm)	Product Code
E2W04000C0/1000	1 000	191108
E2W04000C0/2000	2 000	191118
E2W04000C0/3000	3 000	191128
E2W06300C0/4000	4 000	191138
E2W06300C0/5000	5 000	191148

### Slings 2x TLH 4-5 / $\leq 4.000$ kg - $\leq 5.000$ kg

Model	Jaw Opening (mm)	Product Code
E2W06300C0/1000	1 000	191208
E2W06300C0/2000	2 000	191218
E2W06300C0/3000	3 000	191228
E2W06300C0/4000	4 000	191238
E2W06300C0/5000	5 000	191248

## 3-legged chain sling with shackles for TLH/TLR clamps

### 3 x TLH 1 / $\leq 1.500$ kg

Model	Jaw Opening (mm)	Product Code
E3W024000C0/1000	1 000	191358
E3W024000C0/2000	2 000	191368
E3W024000C0/3000	3 000	191378
E3W024000C0/4000	4 000	191388
E3W024000C0/5000	5 000	191398

### 3 x TLH 10 / $\leq 15.000$ kg

Model	Jaw Opening (mm)	Product Code
E3W17000C0/1000	1 000	191658
E3W17000C0/2000	2 000	191668
E3W17000C0/3000	3 000	191678
E3W17000C0/4000	4 000	191688
E3W17000C0/5000	5 000	191698

### Slings 3 x TLH 2-3 / $\leq 3.000$ kg - $\leq 4.500$ kg

Model	Jaw Opening (mm)	Product Code
E3W06000C0/1000	1 000	191458
E3W06000C0/2000	2 000	191468
E3W06000C0/3000	3 000	191478
E3W06000C0/4000	4 000	191488
E3W06000C0/5000	5 000	191498

### Slings 3 x TLH 4-5 / $\leq 6.000$ kg - $\leq 7.500$ kg

Model	Jaw Opening (mm)	Product Code
E3W08500C0/1000	1 000	191558
E3W08500C0/2000	2 000	191568
E3W08500C0/3000	3 000	191578
E3W08500C0/4000	4 000	191588
E3W08500C0/5000	5 000	191598

# Horizontal plate hooks



Made in France

## QR - Double Lifting Hook

- Double hooks for lifting horizontal plates
- Use in pairs with a 4-legged sling
- Manufactured without load bearing welds
- Hot epoxy coating
- Safety factor: 3 5EN 13155.2003 norm°

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
QR3 0-300	1,500	300	18	50648
QR6 0-300	3,000	300	23	50658
QR12 0-300	6,000	300	57.5	50668



Made in France

## QS Single Lifting Hook

Single lifting hook for the horizontal transport of plates, bundles or construction parts. For use in configurations of 4 or more clamps. Lifting chain available upon request. Opening 300 mm, very suitable for thick plates.

Use in 4s with two 2-legged slings and lifting beam.

- Fixed model 300 mm
- Easy to use
- Hot epoxy coating

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
QS1,5 0-300	750	300	7	50678
QS3 0-300	1,500	300	10	50688
QS6 0-300	3,000	300	15	50698



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## QX - Double Lifting Hook

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
QX10-120	5,000	120	30	50708
QX10-210	5,000	210	38	50718

## 2-legged chain sling with shackles for QX hook

Slings 2x QX10 / ≤ 10000 kg

Model	Jaw Opening (mm)	Product Code
E2W11500HR/1000	1000	192258
E2W11500HR/2000	2000	192268
E2W11500HR/3000	3000	192278
E2W11500HR/4000	4000	192288
E2W11500HR/5000	5000	192298



# Horizontal plate clamps

## 4-legged chain sling with shackles for QR hook

### Slings 4 x QR3 / < 3000 kg

Model	Jaw Opening (mm)	Product Code
E4W04000HR/1000	1 000	192358
E4W04000HR/2000	2 000	192368
E4W04000HR/3000	3 000	192378
E4W04000HR/4000	4 000	192388
E4W04000HR/5000	5 000	192398

### Slings 4 x QR6 / < 6000 kg

Model	Jaw Opening (mm)	Product Code
E4W6700HR/1000	1 000	192408
E4W6700HR/2000	2 000	192418
E4W6700HR/3000	3 000	192428
E4W6700HR/4000	4 000	192438
E4W6700HR/5000	5 000	192448

### Slings 4 x QR12 / < 12 000 kg

Model	Jaw Opening (mm)	Product Code
E4W12900HR/1000	1 000	192458
E4W12900HR/2000	2 000	192468
E4W12900HR/3000	3 000	192478
E4W12900HR/4000	4 000	192488
E4W12900HR/5000	5 000	192498



## 2-legged chain sling with shackles for QS hook

### Sling 2 x QS1.5 / < 1500kg

Model	Jaw Opening (mm)	Product Code
E2W01600HR/1000	1 000	191708
E2W01600HR/2000	2 000	191718
E2W01600HR/3000	3 000	191728
E2W01600HR/4000	4 000	191738
E2W01600HR/5000	5 000	191748

### Sling 2 x QS3 / < 3000kg

Model	Jaw Opening (mm)	Product Code
E2W04000HR/1000	1 000	191808
E2W04000HR/2000	2 000	191818
E2W04000HR/3000	3 000	191828
E2W04000HR/4000	4 000	191838
E2W04000HR/5000	5 000	191848

### Sling 2 x QS6 / < 6000kg

Model	Jaw Opening (mm)	Product Code
E2W06700HR/1000	1 000	192158
E2W06700HR/2000	2 000	192168
E2W06700HR/3000	3 000	192178
E2W06700HR/4000	4 000	192188
E2W06700HR/5000	5 000	192198



# Drum Clamps



Made in France

## HF Drum Clamp

- Semi-automatic clamp for lifting horizontal steel drums with rim
- Manufactured without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 standard)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
HF05 440-920	500	440-920	6	50208



## VDL Drum Clamp

- Lifting of steel drums with rim
- Vertical or horizontal position
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
VDL-1	1,000	150-950	3.5	54398



Made in France

## VLF Drum Clamp

- Clamps for lifting vertical steel drums with rim
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
VLF05 600	500	600	6.7	51268
VLF08 600	800	600	9.6	51278



# Drum clamps

## VFR Drum Clamp

- Semi-automatic clamps for vertical steel drum lifting
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
VFR05 5	500	400-500	12	51248
VFR05 6	500	500-600	14	51258



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## VFA Drum Clamp

- Lifting of steel drums
- Vertical position (with diameter 600 mm)
- Manufactured without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm.)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
VFA 025	300	600	24	51208



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## VFB Drum Clamp

- VFB03-S: semi-automatic release.
- VFB03-A: fully automatic locking and release.
- VFB03-AR: with reduction gear for emptying the contents of the drum accurately and effortlessly.
- Tilting the drums
- Handles for easy use
- Durable
- Clamping jaw with nitrile finish for optimal grip
- Available in 3 versions
- Hot epoxy coating

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
VFB 03 S	300	600	53	51218
VFB 03 A	300	600	54	51228
VFB 03 AR	300	600	66	51238



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# Tubes and girder clamps



Made in France

## GP - Beam Clamp with Screw Spindle

- Beam clamp with clamping
- Provides a fixed or temporary suspension point
- Lifting of I or H profiles
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
GP1 60-180	1,000	60-180	3.6	50158
GP2 60-200	2,000	60-200	5.6	50168
GP3 60-300	3,000	60-300	8.4	50178
GP5 100-390	5,000	100-390	10.8	50188
GP10 100-390	10,000	100-390	20.5	50198



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## KP Lifting Clamp For Beam Profiles

Lifting clamp for lifting I or H beams or plates in a horizontal position.

Depending on the weight of the load, the clamp will only leave a mark on one side.

Automatic locking with a safety spring.

- Automatically grabs the load
- Hardness 330 HB
- Hot epoxy coating

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
KP1 0-20	1,500	0-20	4	50218
KP2 0-30	3,000	0-30	10	50228



Made in France

## Topal™ PL - Lifting Clamp For Beam Profiles

- Semi-automatic girder clamps
- Lifting of I or H-profiled girders
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)
- Unique safety device preventing the clamp to be fully closed

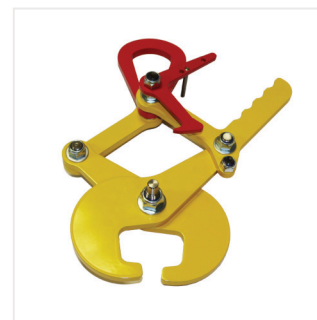
Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PL1 95-200	1,000	95-200	4	185328
PL2 120-300	2,000	120-300	8	185338
PL3 180-450	3,000	180-450	16	185348
PL4 120-300	4,000	120-300	14	185358

# Tubes and girder clamps

## PR - Lifting Clamp For Rail Profile

- Semi-automatic rail clamps
- Lifting of vignole type rails
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PR1 20-40	1,000	20-40	4	185308
PR2 40-80	2,000	40-80	9	185318
PR2A 40-80	2,000	40-80	9	185428

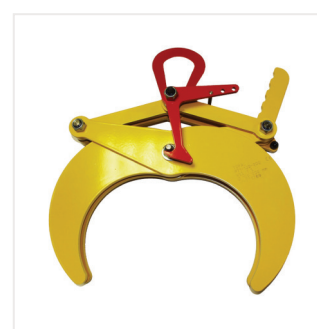


Made in France

## RT - Lifting Clamp For Round Materials and Pipe Sections

- Semi-automatic clamps for round bars & tubes
- Lifting of round or square bars, tubes...
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)
- Manufacture without load bearing welds

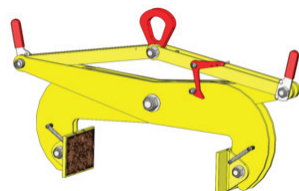
Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
RT05 50-100	500	50-100	4	185368
RT1 100-200	1,000	100-200	9	185378
RT2 200-350	2,000	200-350	28	185388
RT3 250-450	3,000	250-450	40	185398
RTA05 50-100	500	50-100	4	189798
RTA1 100-200	1,000	100-200	9	189808
RTA2 200-350	2,000	200-350	28	189818
RTA3 250-450	3,000	250-450	40	189828
RT05 50-100-TC	500	50-100	4	189338
RT1 100-200-TC	1,000	100-200	9	189348
RT2 200-350-TC	2,000	200-350	28	189358
RT3 250-450-TC	3,000	250-450	40	189368
RTA05 50-100-TC	500	50-100	4	189838
RTA1 100-200-TC	1,000	100-200	9	189848
RTA2 200-350-TC	2,000	200-350	28	189858
RTA3 250-450-TC	3,000	250-450	40	189868
RT05 50-100-CR	500	50-100	4	189378
RTA05 50-100-CR	500	50-100	4	189878
RT1 100-200-CR	1,000	100-200	9	189388
RTA1 100-200-CR	1,000	100-200	9	189888
RT2 200-350-CR	2,000	200-350	28	189398
RTA2 200-350-CR	2,000	200-350	28	189898
RT3 250-450-CR	3,000	250-450	40	189408
RTA3 250-450-CR	3,000	250-450	40	189908



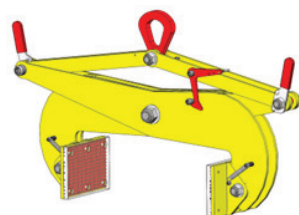
RT = Automatic release  
RTA = Automatic clamping and release

TC = Curved pads  
CR = Curved pads with 2 mm chloroprene coating

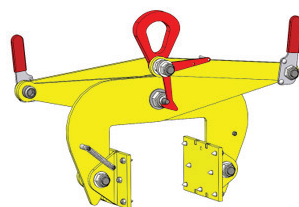
# Parallel sides load clamp



with grained pads



with PU pads



with spiked pads

A = automatic one

PO = spiked

APO = automatic spiked

MG = grained

AMG = automatic grained

PU = Polyurethane coating pads

APU = Automatic one with polyurethane coating pads

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## PB - Block Clamp

- Semi-automatic clamps for loads with parallel sides
- Lifting without marking of products
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PB05 0-100	500	0-100	10	50458
PB05 0-100 / A	500	0-100	9	189458
PB05 100-250	500	100-250	12	50468
PB05 100-250 / A	500	100-250	18	189468
PB05 200-500	500	200-500	20	50478
PB05 200-500 / A	500	200-500	18	189478
PB1 0-200	1,000	0-200	25	50488
PB1 0-200 / A	1,000	0-200	23	189488
PB1 200-500	1,000	200-500	47	50498
PB1 200-500 / A	1,000	200-500	48	189498
PB1 500-800	1,000	500-800	71	50508
PB1 500-800 / A	1,000	500-800	71	189508
PB1 700-1000	1,000	700-1000	78	50518
PB1 700-1000 / A	1,000	700-1000	95	189518

## PB - grained pads

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PB05 0-100 MG	500	0-100	10 kg	189668
PB05 0-100 AMG	500	0-100	10 kg	192068
PB05 100-250 MG	500	100-250	12	189678
PB05 100-250 AMG	500	100-250	12	192078
PB05 200-500 MG	500	200-500	19	189688
PB05 200-500 AMG	500	200-500	19	192088
PB1 0-200 MG	1,000	0-200	25	189698
PB1 0-200 AMG	1,000	0-200	25	192098
PB1 200-500 MG	1,000	200-500	48	189708
PB1 200-500 AMG	1,000	200-500	48	192108
PB1 500-800 MG	1,000	500-800	75	189718
PB1 500-800 AMG	1,000	500-800	75	192118
PB1 700-1000 MG	1,000	700-1000	99	189728
PB1 700-1000 AMG	1,000	700-1000	99	192128

## PB - spiked pads

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PB05 0-100 / PU	500	0-100	9	189528
PB05 0-100 / APU	500	0-100	9	191928
PB05 100-250 / PU	500	100-250	18	189538
PB05 100-250 / APU	500	100-250	18	191938

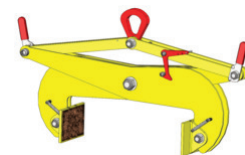
# Parallel sides load clamp

## PB - spiked pads

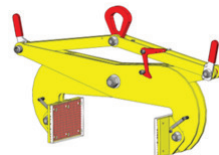
Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PB05 200-500 PO	500	200-500	18	189618
PB05 200-500 APO	500	200-500	18	192018
PB1 0-200 PO	1,000	0-200	23	189628
PB1 0-200 APO	1,000	0-200	23	192028
PB1 200-500 PO	1,000	200-500	46	189638
PB1 200-500 APO	1,000	200-500	46	192038
PB1 500-800 PO	1,000	500-800	71	189648
PB1 500-800 APO	1,000	500-800	71	192048
PB1 700-1000 PO	1,000	700-1000	95	189658
PB1 700-1000 APO	1,000	700-1000	95	192058

## PB - Polyurethane coating pads

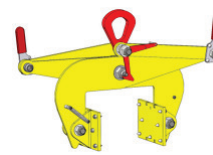
Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PB05 0-100 / PU	500	0-100	9	189528
PB05 0-100 / APU	500	0-100	9	191928
PB05 100-250 / PU	500	100-250	18	189538
PB05 100-250 / APU	500	100-250	18	191938
PB05 200-500 / PU	500	200-500	18	189548
PB05 200-500 / APU	500	200-500	18	191948
PB1 0-200 / PU	1,000	0-200	23	189558
PB1 0-200 / APU	1,000	0-200	23	191958
PB1 200-500 / PU	1,000	200-500	46	189568
PB1 200-500 / APU	1,000	200-500	46	191968
PB1 500-800 / PU	1,000	500-800	71	189578
PB1 500-800 / APU	1,000	500-800	71	191978
PB1 700-1000 / PU	1,000	700-1000	95	189588
PB1 700-1000 / APU	1,000	700-1000	95	191988
PB3 200-500 / PU	3,000	200-500	131	88368
PB3 200-500 / APU	3,000	200-500	130	192528
PB3 500-800 / PU	3,000	500-800	181	88378
PB3 500-800 / APU	3,000	500-800	177	192538



with  
grained pads



with PU  
pads



with  
spiked pads

A = automatic one

PO = spiked

AP0 = automatic spiked

MG = grained

AMG = automatic grained

PU = polyurethane coating pads

APU = Automatic one with  
polyurethane coating pads

## PP - Block Clamp

Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
PP1 200-1000	1,000	200-1 000	41	50608
PP1-200-1000 PU	1,000	200-1 000	42	189738
PP1-200-1000 PO	1,000	200-1 000	41	189748
PP1-200-1000 MG	1,000	200-1 000	43	189758





# Load Positioning



Made in France

## TC Load Positioning Lifting Eye

- Load positioning
- For single wire rope
- Automatic locking
- Large lifting eye
- Easy to use

Model	WLL @ 45°	WLL @ 90°	WLL @ 120°	Wire Rope Diameter (mm)	Weight (kg)	Product Code
TC2 11	2 000	1 400	7 000	11	3	50828
TC3 13	3 000	2 100	1 500	13	5	50838
TC5 18	5 000	3 500	2 500	18	10	50848



Made in France

## TE Load Positioning Lifting Eye

- Load positioning
- For lifting chain
- Automatic locking
- Large lifting eye
- Easy to use

Model	WLL	Wire Rope Diameter (mm)	Weight (kg)	Product Code
TE1.6-7	1,600	7	4	50858
TE3-10	3,000	10	11	50868
TE4.5-13	4,500	13	19	50878



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## TF Load Positioning Lifting Eye

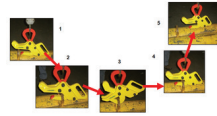
- Load positioning
- For double wire rope
- Automatic locking
- Large lifting eye
- Easy to use

Model	WLL @ 45°	Wire Rope Diameter (mm)	Weight (kg)	Product Code
TF1.5-9	1 500	9	4	50888
TF3-13.2	3 000	13	8.5	50898
TF5-16.8	5 000	17	21.5	50908
TF10-24	10 000	24	37.5	50918
TF20-32	20 000	32	76.5	50928

# Lifting Equipment

## AH - Autohook Lifting Hook

- Automatic safety hook
- Manufacture without load bearing welds
- Hot epoxy coating
- Static test coefficient : 2



Model	WLL	Jaw Opening (mm)	Weight (kg)	Product Code
AH2-32	2,000	0-38	6	185278
AH5-40	5,000	0-47.5	16	185288
AH10-40	10,000	0-55	30	185298



open position



closed position

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## CC - Container Lug

- Container lugs
- Lifting of containers by their standard ISO corners
- CCB: lifting with a single lifting beam and two 2-legged slings.
- CCV: lifting with a spreader frame and 4 slings.
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Weight (kg)	Product Code
CC7.5 V	7,500	4	50038
CC12.5 V	12,500	5	50048
CC7.5 B	7,500	4	50058
CC12.5 B	12,500	5	50068



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## CR - C-Shaped Lifting Hook For Coils

- C-hooks for lifting and turning coils
- turning or lifting over from the horizontal to the vertical position & vice versa.
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Coil Width	Weight (kg)	Product Code
CR05 50-120	500	50-120	5.5	50078
CR1 70-140	1,000	70-140	9	50088
CR2 100-200	2,000	100-200	16	50098
CR2 160-330	2,000	160-330	31	50108



open position

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# Various loads



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## PC Fork-Lift Truck Lifting Beam

- Lifting eye for fork-lift truck
- Quick and easy to install
- Unique design
- Safe to use
- Hot applied epoxy coating

Model	WLL	Fork Width	Weight (kg)	Product Code
PC1.5 120	1,500	120	15	50528
PC3 170	3,000	170	23	50538



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## PRB - Tilt Block

- Turning over pulley
- turning and lifting of all kind of coils.
- Manufacture without load bearing welds
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Weight (kg)	Product Code
PRB2-90	2,000	8.2	189768
PRB3-90	3,000	11	189778
PRB5-120	5,000	24	189788



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## T0 - Lifting Hook For Cable Reels

- Universal cable drum hooks
- Cable drum lifting.
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Lifting Eye Radius	Weight (kg)	Product Code
To13	6,500	27	3	51198



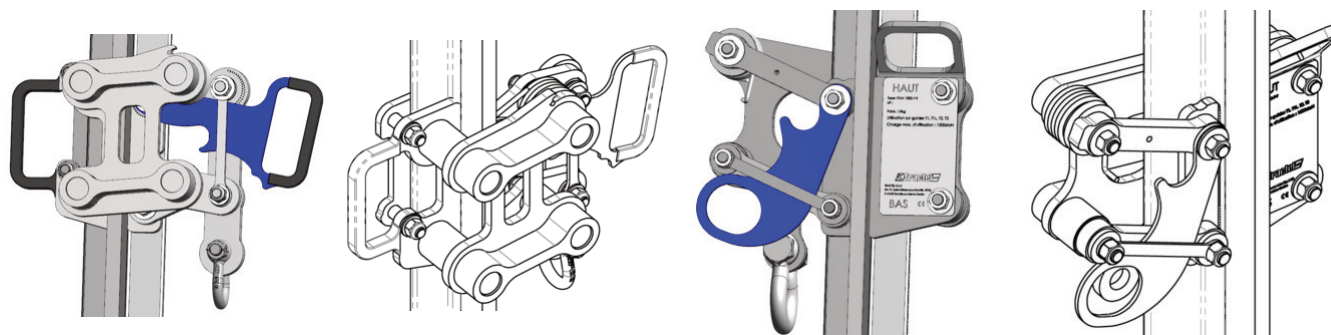
Made in France

## LT - Bar For Separating Plates

- Lever for separating plates
- Manufacture without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	Length (cm)	Weight (kg)	Product Code
LT1-830	830-1.290	7	50278

# Safety parking clamp



The Safety parking clamps (SPC) are dedicated to securing lifting platforms used in the elevator industry by attaching the platform to the guiding rail. They are used as a secondary safety device, a primary safety device is mandatory.

In case of breaking of the lifting cable, the platform will fall and will immediately be blocked by the clamp.

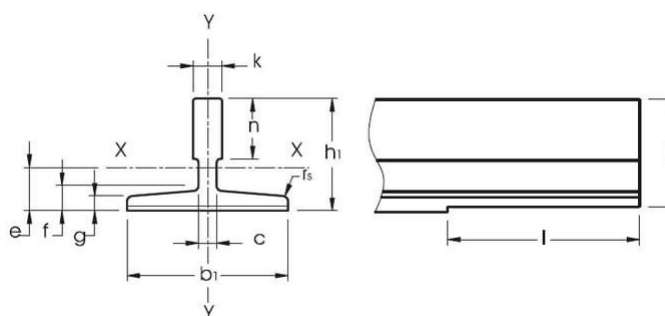
- The **back** Safety parking clamp (BSPC), is attached to the back of the guiding rail of the elevator platform.
- The back safety parking clamp has a wider range but, it requires enough free space at the back of the rail (110 mm without the shackle, ~120 mm with the shackle ) to be installed, and is limited to 1.5t capacity.
- The **front** Safety parking clamp (FSPC) is attached to the front of the guiding rail of the elevator platform.
- The front safety parking clamp has a smaller range, is a bit lighter but has a higher capacity (2 t) and can be installed on every installation, since the required space behind the rail is very limited (20 mm minimum). It offers PVC covered handles to ease manipulation.

The safety parking clamps are designed to work on standard ISO 7465 rails, used for elevators. Other uses are forbidden.

Model	WLL	Weight (kg)	Product Code
Front Safety Parking Clamp	2 t	9	212898
Back Safety Parking Clamp	1.5 t	10.4	212928

Product Code	T75-3	T82	T89	T90	T125	T127-1	T127-2	T140-1	T140-2	T140-3
212898	V	V	V	-	-	-	-	-	-	-
212928	V	V	V	V	V	V	V	V	-	-

Rail	Dimensionen				
	b1	h1	k	n	f
T75-3/B	75	62	10	30	9
T82/B	82.5	68.25	9	25.4	8.25
T89/B	89	62	15.88	33.4	11.1
T90/B	90	75	16	42	10
T125/B	125	82		42	12
T127-1/B	127	88.9	15.88	44.5	11.1
T127-2/B				44.5	15.9
T140-1/B	140	108	19	50.8	17.5
T140-2/B		102	28.6		17.5
T140-3/B		31.75	31.75	57.2	25.4



# Lifting beams

## PEF Lifting Beam with Fixed Lifting Eyes



Model	WLL	Length (mm)	Product Code
PEF1-1000	1,000	1000	82008
PEF1-A	1,000	1001 - 1500	211008
PEF1-B	1,000	1501 - 1999	211018
PEF1-2000	1,000	2000	82018
PEF1-C	1,000	2001 - 2500	211028
PEF1-D	1,000	2501 - 2999	211038
PEF1-3000	1,000	3000	82028
PEF1-E	1,000	3001 - 3500	211048
PEF1-F	1,000	3501 - 3999	211058
PEF1-4000	1,000	4000	82038
PEF1-G	1,000	4001 - 4500	211068
PEF1-H	1,000	4501 - 4999	211078
PEF1-5000	1,000	5000	82048
PEF2-1000	2,000	1000	82058
PEF2-A	2,000	1001 - 1500	211088
PEF2-B	2,000	1501 - 1999	211098
PEF2-2000	2,000	2000	82068
PEF2-C	2,000	2001 - 2500	211108
PEF2-D	2,000	2501 - 2999	211118
PEF2-3000	2,000	3000	82078
PEF2-E	2,000	3001 - 3500	211128
PEF2-F	2,000	3501 - 3999	211138
PEF2-4000	2,000	4000	82088
PEF2-G	2,000	4001 - 4500	211148
PEF2-H	2,000	4501 - 4999	211158
PEF2-5000	2,000	5000	82098
PEF3-1000	3,000	1000	82108
PEF3-A	3,000	1001 - 1500	211168
PEF3-B	3,000	1501 - 1999	211178
PEF3-2000	3,000	2000	82118
PEF3-C	3,000	2001 - 2500	211188
PEF3-D	3,000	2501 - 2999	211198
PEF3-3000	3,000	3000	82128
PEF3-E	3,000	3001 - 3500	211208
PEF3-F	3,000	3501 - 3999	211218
PEF3-4000	3,000	4000	82138

## PEM Lifting Beam with Adjustable Lifting Eyes



Model	WLL	Length (mm)	Product Code
PEM1-1000	1,000	1000	82308
PEM1-A	1,000	1001 - 1500	211488
PEM1-B	1,000	1501 - 1999	211498
PEM1-2000	1,000	2000	82318
PEM1-C	1,000	2001 - 2500	211508
PEM1-D	1,000	2501 - 2999	211518
PEM1-3000	1,000	3000	82328
PEM1-E	1,000	3001 - 3500	211528
PEM1-F	1,000	3501 - 3999	211538
PEM1-4000	1,000	4000	82338
PEM1-G	1,000	4001 - 4500	211548
PEM1-H	1,000	4501 - 4999	211558
PEM1-5000	1,000	5000	82348
PEM2-1000	2,000	1000	82358
PEM2-A	2,000	1001 - 1500	211568
PEM2-B	2,000	1501 - 1999	211578
PEM2-2000	2,000	2000	82368
PEM2-C	2,000	2001 - 2500	211588
PEM2-D	2,000	2501 - 2999	211598
PEM2-3000	2,000	3000	82378
PEM2-E	2,000	3001 - 3500	211608
PEM2-F	2,000	3501 - 3999	211618
PEM2-4000	2,000	4000	82388
PEM2-G	2,000	4001 - 4500	211628
PEM2-H	2,000	4501 - 4999	211638
PEM2-5000	2,000	5000	82398
PEM3-1000	3,000	1000	82408
PEM3-A	3,000	1001 - 1500	211648
PEM3-B	3,000	1501 - 1999	211658
PEM3-2000	3,000	2000	82418
PEM3-C	3,000	2001 - 2500	211668
PEM3-D	3,000	2501 - 2999	211678
PEM3-3000	3,000	3000	82428
PEM3-E	3,000	3001 - 3500	211688
PEM3-F	3,000	3501 - 3999	211698
PEM3-4000	3,000	4000	82438



## PEF Lifting Beam

Model	WLL	Length (mm)	Product Code
PEF3-G	3,000	4001 - 4500	211228
PEF3-H	3,000	4501 - 4999	211238
PEF3-5000	3,000	5000	82148
PEF4-1000	4,000	1000	82158
PEF4-A	4,000	1001 - 1500	211248
PEF4-B	4,000	1501 - 1999	211258
PEF4-2000	4,000	2000	82168
PEF4-C	4,000	2001 - 2500	211268
PEF4-D	4,000	2501 - 2999	211278
PEF4-3000	4,000	3000	82178
PEF4-E	4,000	3001 - 3500	211288
PEF4-F	4,000	3501 - 3999	211298
PEF4-4000	4,000	4000	82188
PEF4-G	4,000	4001 - 4500	211308
PEF4-H	4,000	4501 - 4999	211318
PEF4-5000	4,000	5000	82198
PEF5-1000	5,000	1000	82208
PEF5-A	5,000	1001 - 1500	211328
PEF5-B	5,000	1501 - 1999	211338
PEF5-2000	5,000	2000	82218
PEF5-C	5,000	2001 - 2500	211348
PEF5-D	5,000	2501 - 2999	211358
PEF5-3000	5,000	3000	82228
PEF5-E	5,000	3001 - 3500	211368
PEF5-F	5,000	3501 - 3999	211378
PEF5-4000	5,000	4000	82238
PEF5-G	5,000	4001 - 4500	211388
PEF5-H	5,000	4501 - 4999	211398
PEF5-5000	5,000	5000	82248
PEF6-1000	6,000	1000	82258
PEF6-A	6,000	1001 - 1500	211408
PEF6-B	6,000	1501 - 1999	211418
PEF6-2000	6,000	2000	82268
PEF6-C	6,000	2001 - 2500	211428
PEF6-D	6,000	2501 - 2999	211438
PEF6-3000	6,000	3000	82278
PEF6-E	6,000	3001 - 3500	211448
PEF6-F	6,000	3501 - 3999	211458
PEF6-4000	6,000	4000	82288
PEF6-G	6,000	4001 - 4500	211468
PEF6-H	6,000	4501 - 4999	211478
PEF6-5000	6,000	5000	82298

## PEM Lifting Beam

Model	WLL	Length (mm)	Product Code
PEM3-G	3,000	4001 - 4500	211708
PEM3-H	3,000	4501 - 4999	211718
PEM3-5000	3,000	5000	82448
PEM4-1000	4,000	1000	82458
PEM4-A	4,000	1001 - 1500	211728
PEM4-B	4,000	1501 - 1999	211738
PEM4-2000	4,000	2000	82468
PEM4-C	4,000	2001 - 2500	211748
PEM4-D	4,000	2501 - 2999	211758
PEM4-3000	4,000	3000	82478
PEM4-E	4,000	3001 - 3500	211768
PEM4-F	4,000	3501 - 3999	211778
PEM4-4000	4,000	4000	82488
PEM4-G	4,000	4001 - 4500	211788
PEM4-H	4,000	4501 - 4999	211798
PEM4-5000	4,000	5000	82498
PEM5-1000	5,000	1000	82508
PEM5-A	5,000	1001 - 1500	211808
PEM5-B	5,000	1501 - 1999	211818
PEM5-2000	5,000	2000	82518
PEM5-C	5,000	2001 - 2500	211828
PEM5-D	5,000	2501 - 2999	211838
PEM5-3000	5,000	3000	82528
PEM5-E	5,000	3001 - 3500	211848
PEM5-F	5,000	3501 - 3999	211858
PEM5-4000	5,000	4000	82538
PEM5-G	5,000	4001 - 4500	211868
PEM5-H	5,000	4501 - 4999	211878
PEM5-5000	5,000	5000	82548
PEM6-1000	6,000	1000	82558
PEM6-A	6,000	1001 - 1500	211888
PEM6-B	6,000	1501 - 1999	211898
PEM6-2000	6,000	2000	82568
PEM6-C	6,000	2001 - 2500	211908
PEM6-D	6,000	2501 - 2999	211918
PEM6-3000	6,000	3000	82578
PEM6-E	6,000	3001 - 3500	211928
PEM6-F	6,000	3501 - 3999	211938
PEM6-4000	6,000	4000	82588
PEM6-G	6,000	4001 - 4500	211948
PEM6-H	6,000	4501 - 4999	211958
PEM6-5000	6,000	5000	82598

# PAL-Beam Lifting Beam

Range of lifting beams with fixed or adjustable load-centre fitted with 2 exclusive lower pivots allowing additional lifting applications with profile and/ or lower pivots' inclined:

A- Lifting with symmetrical or asymmetrical lower pivots, pulling sideways outside or inside (max angle 15°).

B- Lifting with profile inclined at 6° out of the horizontal line:

- vertical traction with symmetrical lower pivots
- sideways traction with asymmetrical lower pivots

## PBF PAL-Beam Lifting Beam with Fixed Lifting Eyes



Model	WLL	Length (cm)	Weight (kg)	Product Code
PBFA1-A	1,000	1000	33	51338
PBFA1-B	1,000	1001 - 1500	variable	51348
PBFA1-C	1,000	1501 - 1999	variable	51358
PBFA1-D	1,000	2000	52	51368
PBFA1-E	1,000	2501 - 2999	variable	51378
PBFA1-F	1,000	2001 - 2500	variable	51388
PBFA1-G	1,000	3000	72	51398
PBFB1-H	1,000	3001 - 3500	variable	51408
PBFB1-I	1,000	3501 - 3999	variable	51418
PBFB1-J	1,000	4000	141	51428
PBFA2-A	2,000	1000	33	51438
PBFA2-B	2,000	1001 - 1500	variable	51448
PBFB2-C	2,000	1501 - 1999	variable	51458
PBFB2-D	2,000	2000	80	51468
PBFB2-E	2,000	2001 - 2500	variable	51478
PBFB2-F	2,000	2501 - 2999	variable	51488
PBFB2-G	2,000	3000	110	51498
PBFC2-H	2,000	3001 - 3500	variable	51508
PBFC2-I	2,000	3501 - 3999	variable	51518
PBFC2-J	2,000	4000	167	51528
PBFB3-A	3,000	1000	50	51538
PBFB3-B	3,000	1001 - 1500	variable	51548
PBFB3-C	3,000	1501 - 1999	variable	51558
PBFB3-D	3,000	2000	80	51568
PBFC3-E	3,000	2001 - 2500	variable	51578
PBFC3-F	3,000	2501 - 2999	variable	51588

## PBM PAL-Beam Lifting Beam with Adjustable Lifting Eyes



Model	WLL	Length (cm)	Weight (kg)	Product Code
PBMA1-A	1,000	1000	33	51838
PBMA1-B	1,000	1001 - 1500	variable	51848
PBMA1-C	1,000	1501 - 1999	variable	51858
PBMA1-D	1,000	2000	52	51868
PBMB1-E	1,000	2501 - 2999	variable	51878
PBMB1-F	1,000	2001 - 2500	variable	51888
PBMA1-G	1,000	3000	72	51898
PBMB1-H	1,000	3001 - 3500	variable	51908
PBMB1-I	1,000	3501 - 3999	variable	51918
PBMB1-J	1,000	4000	141	51928
PBMA2-A	2,000	1000	33	51938
PBMB2-B	2,000	1001 - 1500	variable	51948
PBMB2-C	2,000	1501 - 1999	variable	51958
PBMB2-D	2,000	2000	80	51968
PBMB2-E	2,000	2001 - 2500	variable	51978
PBMB2-F	2,000	2501 - 2999	variable	51988
PBMB2-G	2,000	3000	110	51998
PBMC2-H	2,000	3001 - 3500	variable	52008
PBMC2-I	2,000	3501 - 3999	variable	52018
PBMC2-J	2,000	4000	167	52028
PBMB3-A	3,000	1000	50	52038
PBMB3-B	3,000	1001 - 1500	variable	52048
PBMB3-C	3,000	1501 - 1999	variable	52058
PBMB3-D	3,000	2000	80	52068
PBMC3-E	3,000	2001 - 2500	variable	52078
PBMC3-F	3,000	2501 - 2999	variable	52088

# PAL-Beam Lifting Beam

## PBF PAL-Beam Lifting Beam with Fixed Lifting Eyes

Model	WLL	Length (mm)	Weight (kg)	Product Code
PBFE5-G	5,000	3000	223	51798
PBFD3-H	3,000	3001 - 3500	variable	51608
PBFD3-I	3,000	3501 - 3999	variable	51618
PBFD3-J	3,000	4000	202	51628
PBFC3-G	3,000	3000	131	51598
PBFC4-A	4,000	1000	60	51638
PBFC4-B	4,000	1001 - 1500	variable	51648
PBFC4-C	4,000	1501 - 1999	variable	51658
PBFC4-D	4,000	2000	80	51668
PBFD4-E	4,000	2001 - 2500	variable	51678
PBFD4-F	4,000	2501 - 2999	variable	51688
PBFD4-G	4,000	3000	160	51698
PBFE4-H	4,000	3001 - 3500	variable	51708
PBFE4-I	4,000	3501 - 3999	variable	51718
PBFE4-J	4,000	4000	283	51728
PBFD5-A	5,000	1000	75	51738
PBFD5-B	5,000	1001 - 1500	variable	51748
PBFD5-C	5,000	1501 - 1999	variable	51758
PBFD5-D	5,000	2000	117	51768
PBFE5-E	5,000	2001 - 2500	variable	51778
PBFE5-F	5,000	2501 - 2999	variable	51788
PBFE5-H	5,000	3001 - 3500	variable	51808
PBFE5-I	5,000	3501 - 3999	variable	51818
PBFE5-J	5,000	4000	283	51828

## PBM PAL-Beam Lifting Beam with Adjustable Lifting Eyes

Model	WLL	Length (mm)	Weight (kg)	Product Code
PBMC3-G	3,000	3000	131	52098
PBMD3-H	3,000	3001 - 3500	variable	52108
PBMD3-I	3,000	3501 - 3999	variable	52118
PBMD3-J	3,000	4000	202	52128
PBMC4-A	4,000	1000	60	52138
PBMC4-B	4,000	1001 - 1500	variable	52148
PBMC4-C	4,000	1501 - 1999	variable	52158
PBMC4-D	4,000	2000	80	52168
PBMD4-E	4,000	2001 - 2500	variable	52178
PBMD4-F	4,000	2501 - 2999	variable	52188
PBMD4-G	4,000	3000	160	52198
PBME4-H	4,000	3001 - 3500	variable	52208
PBME4-I	4,000	3501 - 3999	variable	52218
PBME4-J	4,000	4000	283	52228
PBMD5-A	5,000	1000	75	52238
PBMD5-B	5,000	1001 - 1500	variable	52248
PBMD5-C	5,000	1501 - 1999	variable	52258
PBMD5-D	5,000	2000	117	52268
PBME5-E	5,000	2001 - 2500	variable	52278
PBME5-F	5,000	2501 - 2999	variable	52288
PBME5-G	5,000	3000	223	52298
PBME5-H	5,000	3001 - 3500	variable	52308
PBME5-I	5,000	3501 ≤ L ≤ 3999	variable	52318
PBME5-J	5,000	4000	283	52328

## PBFA Lifting Beam Assembly Kit

You can order component kits only and have the beam manufactured locally (conditions of realization: consult us).

Model	Product Code
PBFA - FIXED PAL-BEAM MONTAGE KIT A	52378
PBFB - FIXED PAL-BEAM MONTAGE KIT B	52388
PBFC - FIXED PAL-BEAM MONTAGE KIT C	52418
PBFD - FIXED PAL-BEAM MONTAGE KIT D	52448
PBFE - FIXED PAL-BEAM MONTAGE KIT E	52478
PBMA - PAL-BEAM ADJUSTABLE MONTAGE KIT A	52508
PBMB - PAL-BEAM ADJUSTABLE MONTAGE KIT B	52518
PBMC - PAL-BEAM ADJUSTABLE MONTAGE KIT C	52548
PBMD - PAL-BEAM ADJUSTABLE MONTAGE KIT D	52578
PBME - PAL-BEAM ADJUSTABLE MONTAGE KIT E	52608

# Lifting beams



Made in France

## XBag Cross Lifting Beam For Big-Bags

- Lifting beam for big-bag
- Manufactured without load bearing welds
- Hot epoxy coating
- Safety factor: 3 (EN 13155.2003 norm)

Model	WLL	Load Width	Weight (kg)	Product Code
XBag 1.5	1,500	880 - 990	27	54628
XBag 2.5	2,500	880 - 990	34	54638
XBag 3.5	3,500	880 - 990	40	54648





# Pal-Turn

The Pal-Turn has been specially developed to create a solution for the controlled turning and lifting of heavy and bulky loads. The tilt straps are rotated by 2 circulation tilt discs which are electrically driven. Suitable for applications in steel and machinery factories, civil engineering, shipyards, manufacturing industry and foundries. The use of Pal-Turn™ does not require an anchorage point on the returned load - the load is usually held in the straps. Each device allows the turning of several types of loads as long as its capacity allows it and the straps available are of an appropriate length.

- Tilting loads
- Shockproof
- Tilt disc circulation fixed or adjustable
- Available in single tilt strap version (mono)
- Electric operation
- Capacity from 0.5 ton to 100 tons

**Important:**

The load must keep its shape at all times during the roll-over movement.

**Customized advice**

Each load has unique dimensions (lxwxh), a specific weight and position of the centre of gravity. The Pal-Turn™ is produced on the basis of these characteristics and customer requirements.

**Options:**

- Chain pulleys for high temperature loads (> 80°C)
- Stand-alone model (battery operated)
- Radio control with or without infra-red validation
- Two-speed motorisation
- Frequency inverter
- Additional lifting points, retractable lower hook
- Chains or straps - open or open-ended - adjusted to the load, polyurethane protection coated on 1 or 2 sides, impregnated
- Protection class IP55 or higher
- Design according to other FEM class

**Standard configuration:**

- Cable remote control, single-speed motorisation
- Protection class IP54
- Design according to FEM A5, lifting speed 30 m/min.
- 500kg in 400V or 230V



Model	Product Code
PAL-TURN 500 kg - 230 V	211978
PAL-TURN 500 kg - 400 V	211968





# Adjustable H beam

PHM Adjustable H-Beams can be used whenever you have to move heavy & massive loads like machines, boats, vehicules, structures etc.

They are equipped with 4 lower attachments and are adjustable in all directions.

You can therefore adapt to the load dimensions and positions of the center of gravity, and use it for various loads.

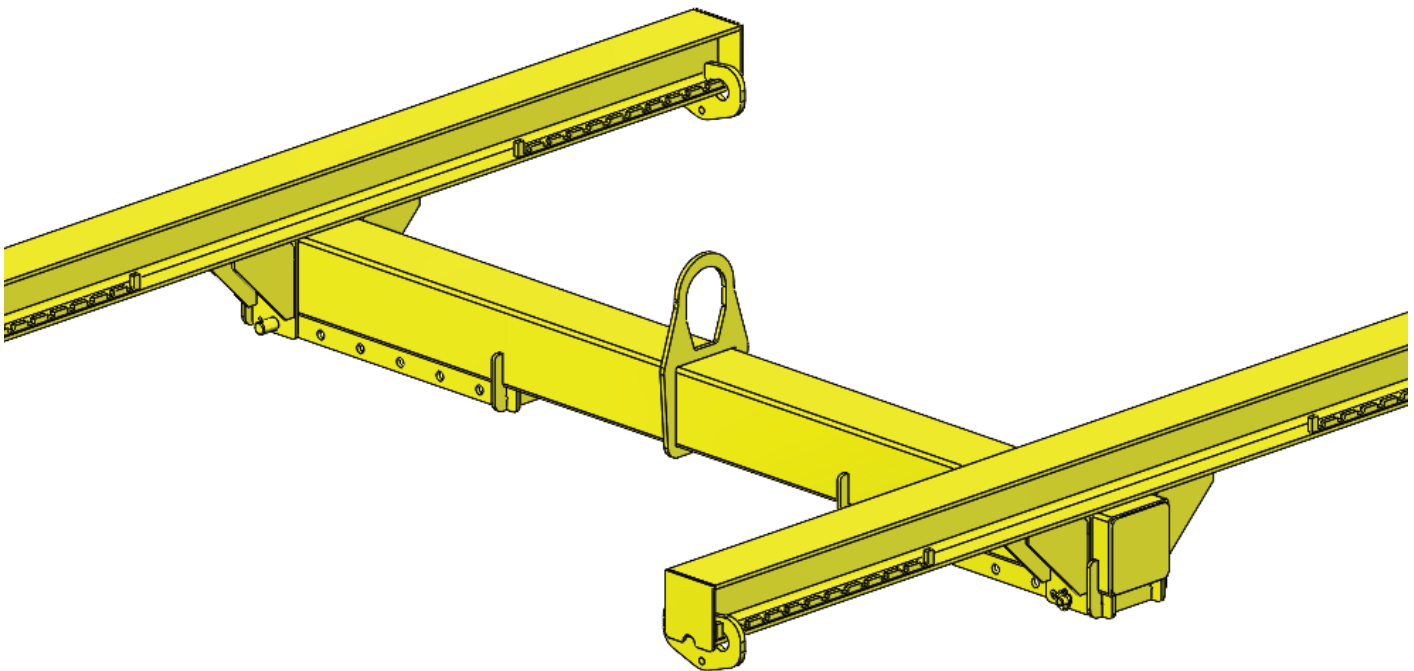
**NEW**

## 1 ton

Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 1t - L1 - W1	1 - 0.4	1 - 0.4	75	219728
PHM 1t - L2 - W1	2 - 1	1 - 0.4	92	219738
PHM 1t - L2 - W2	2 - 1	2 - 1	128	219748
PHM 1t - L3 - W1	3 - 1	1 - 0.4	121	219758
PHM 1t - L3 - W2	3 - 1	2 - 1	178	219768
PHM 1t - L4 - W1	4 - 2	1 - 0.4	165	219778
PHM 1t - L4 - W2	4 - 2	2 - 1	204	219788
PHM 1t - L5 - W1	5 - 2	1 - 0.4	216	219798
PHM 1t - L5 - W2	5 - 2	2 - 1	254	219808

## 2 tons

Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 2t - L1 - W1	1 - 0.4	1 - 0.4	79	219818
PHM 2t - L2 - W1	2 - 1	1 - 0.4	118	219828
PHM 2t - L2 - W1	2 - 1	2 - 1	170	219838
PHM 2t - L3 - W1	3 - 1	1 - 0.4	158	219848
PHM 2t - L3 - W2	3 - 1	2 - 1	219	219858
PHM 2t - L4 - W1	4 - 2	1 - 0.4	211	219868
PHM 2t - L4 - W2	4 - 2	2 - 1	270	219878
PHM 2t - L5 - W1	5 - 2	1 - 0.4	270	219888
PHM 2t - L5 - W2	5 - 2	2 - 1	355	219898



# Adjustable H beam

## 3 tons

Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 3t - L1 - W1	1 - 0.4	1 - 0.4	89	219908
PHM 3t - L2 - W1	2 - 1	1 - 0.4	134	219918
PHM 3t - L2 - W2	2 - 1	2 - 1	248	219928
PHM 3t - L3 - W1	3 - 1	1 - 0.4	194	219938
PHM 3t - L3 - W2	3 - 1	2 - 1	313	219948
PHM 3t - L4 - W1	4 - 2	1 - 0.4	280	219958
PHM 3t - L4 - W2	4 - 2	2 - 1	409	219968
PHM 3t - L5 - W1	5 - 2	1 - 0.4	332	219978
PHM 3t - L5 - W2	5 - 2	2 - 1	461	219988

## 4 tons

Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 4t - L1 - W1	1 - 0.4	1 - 0.4	109	219998
PHM 4t - L2 - W1	2 - 1	1 - 0.4	148	220008
PHM 4t - L2 - W2	2 - 1	2 - 1	262	220018
PHM 4t - L3 - W1	3 - 1	1 - 0.4	244	220028
PHM 4t - L3 - W2	3 - 1	2 - 1	364	220038
PHM 4t - L4 - W1	4 - 2	1 - 0.4	284	220048
PHM 4t - L4 - W2	4 - 2	2 - 1	413	220058
PHM 4t - L5 - W1	5 - 2	1 - 0.4	400	220068
PHM 4t - L5 - W2	5 - 2	2 - 1	526	220078

## 5 tons

Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 5t - L1 - W1	1 - 0.4	1 - 0.4	117	220088
PHM 5t - L2 - W1	2 - 1	1 - 0.4	175	220098
PHM 5t - L2 - W2	2 - 1	2 - 1	285	220108
PHM 5t - L3 - W1	3 - 1	1 - 0.4	252	220118
PHM 5t - L3 - W2	3 - 1	2 - 1	372	220128
PHM 5t - L4 - W1	4 - 2	1 - 0.4	348	220138
PHM 5t - L4 - W2	4 - 2	2 - 1	473	220148
PHM 5t - L5 - W1	5 - 2	1 - 0.4	408	220158
PHM 5t - L5 - W2	5 - 2	2 - 1	534	220168

## 6 tons

Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 6t - L1 - W1	1 - 0.4	1 - 0.4	161	220178
PHM 6t - L2 - W1	2 - 1	1 - 0.4	185	220188
PHM 6t - L2 - W2	2 - 1	2 - 1	355	220198
PHM 6t - L3 - W1	3 - 1	1 - 0.4	288	220208
PHM 6t - L3 - W2	3 - 1	2 - 1	409	220218
PHM 6t - L4 - W1	4 - 2	1 - 0.4	352	220228
PHM 6t - L4 - W2	4 - 2	2 - 1	506	220238
PHM 6t - L5 - W1	5 - 2	1 - 0.4	539	220248
PHM 6t - L5 - W2	5 - 2	2 - 1	660	220258

# Adjustable H beam

## 8 tons

Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 8t - L1 - W1	1 - 0.4	1 - 0.4	185	220268
PHM 8t - L2 - W1	2 - 1	1 - 0.4	262	220278
PHM 8t - L2 - W2	2 - 1	2 - 1	380	220288
PHM 8t - L3 - W1	3 - 1	1 - 0.4	349	220298
PHM 8t - L3 - W2	3 - 1	2 - 1	499	220308
PHM 8t - L4 - W1	4 - 2	1 - 0.4	483	220318
PHM 8t - L4 - W2	4 - 2	2 - 1	607	220328
PHM 8t - L5 - W1	5 - 2	1 - 0.4	654	220338
PHM 8t - L5 - W2	5 - 2	2 - 1	805	220348

## 10 tons

Model	Adjustable Length (m)	Adjustable Width (m)	Weight (kg)	Product Code
PHM 10t - L1 - W1	1 - 0.4	1 - 0.4	207	220358
PHM 10t - L2 - W1	2 - 1	1 - 0.4	303	220368
PHM 10t - L2 - W2	2 - 1	2 - 1	467	220378
PHM 10t - L3 - W1	3 - 1	1 - 0.4	419	220388
PHM 10t - L3 - W2	3 - 1	2 - 1	629	220398
PHM 10t - L4 - W1	4 - 2	1 - 0.4	569	220408
PHM 10t - L4 - W2	4 - 2	2 - 1	734	220418
PHM 10t - L5 - W1	5 - 2	1 - 0.4	758	220428
PHM 10t - L5 - W2	5 - 2	2 - 1	924	220438

# Specific Lifting Beam

## Rotablock

### Special hook

Motorization of the hook rotation : for lifting, turning and positioning of loads from a distance.  
Designed to handle all capacities.

Numerous applications:

- automotive industries,
- nuclear...

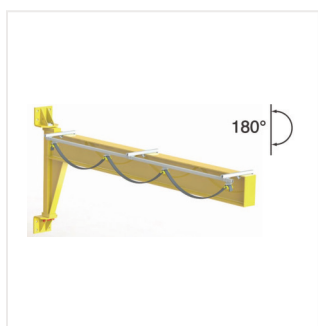


# Wall Mounted Cranes



## Overbraced wall mounted jib cranes

- Mechanically welded steel construction
- Polyurethane paint RAL 128
- Supplied ready to assembly(including 2 mounting brackets)



## Underbraced wall mounted cranes

### Maximum working height

- Mechanically welded steel construction
- Polyurethane paint RAL 1028
- Supplied ready to assembly (including 2 mounting brackets)



## Wall mounted jib crane - hollow profile construction

- Polyurethane paint : RAL 1028
- Supplied ready to assembly
- Lifting gear speed :  $a < 8\text{m/min}$
- Indoor use only
- Flat cable powerline included
- This jib cannot be motorized / push trolley only





# Column Mounted Jib Cranes

## Column mounted jib cranes - overbraced

- Standard height under beam of 2,5 m
- Polyurethane paint: RAL 1028
- Supplied ready to assembly



## Column mounted jib cranes - underbraced

- Standard height under beam of 3 m
- Polyurethane paint RAL 1028
- Supplied ready to assembly



## Column mounted jib cranes - hollow profile construction

- Polyurethane paint: RAL 1028
- Supplied ready to assembly
- Lifting gear speed:  $a < 8$  m/min
- Indoor use only
- Flat cable powerline included
- This jib cannot be motorized / push trolley only



## Column mounted jib cranes - 360° slewing

- Standard height under beam is 3 m
- Polyurethane paint: RAL 1028
- Supplied ready to assembly
- Lifting gear speed:  $a < 8$  m/min
- Flat cable power line included
- 360° slewing



# Portal Cranes



## Portal cranes - movable when loaded

- Movable when loaded on flat, smooth and clean surface,
- Disassembly with 3 components
- Polyurethane paint: RAL 1028 (yellow)
- Lifting gear horizontal speed > 10 m/min
- Equipped with 4 polyamide swivel wheels
- Indoor use
- W.L.L. from 500 to 3200 kg



## Portal cranes - hollow profile construction

- Movable only when not loaded on flat, smooth and clean surface
- Equipped with a hoist trolley, cable trolley and power cable
- Equipped with 4 white polyamide swivel wheels
- Disassembly with 3 components
- Polyurethane paint: RAL 1028
- Indoor use
- W.L.L. from 500 to 1600 kg



# Tracpode



The Tracpode is a mobile lifting facility to lift loads up to 500 kg.  
Foldable, its compact structure enables transportation in small construction vans.

## Dimensions:

- Disassembled : 1,76 m basic, 1,88m equipped with a sheave
- Assembled : L. 1,95m x l 0,31m x h 0,36m

The Tracpode's top is equipped with an anchoring point identified for lifting purposes.  
The top anchor facility is engineered for the installation of hoists with a W.L.L. up to 500 kg.

The Tracpode's legs can be foreseen with a bracket for the caRol winch. In this configuration, the Tracpode must be equipped with a lifting sheave kit for the Tracpode's top anchor.

## Features:

- Adjustable from 1,78 to 2,73 m (maximum height on the top)
- Depending on the height, its ground position varies from 1,03 to 1,58 m
- The legs are adjustable every 20 cm.
- Lower parts of the legs are equipped with anti-slip covers made of vulcanized rubber
- Lower parts of the legs are perforated to enable fixing by means of anchoring pins
- **Safety webbing sling to strap the feet at the bottom and to avoid any sliding** (mandatory if the tracpode is equipped with a hoist or winch with a W.L.L. over 250 kg).

Model	Product Code
Tracpode load handling	273739
Tracpode load handling with material load handling sheave kit	273759
material load handling sheave kit	196958

# Davitrac



Model	Product Code
Davitrac	286819
Trolley for Davitrac / Davimast	210618
Transport bag	84582



Made in France

## CaRol R with bracket for Davitrac

### EN1496 - Directive 2006/42/CE

Rescue winch compliant with **EN 1496**, with a maximum load of 150 kg.

Carol R winch 150kg also meets the requirements of hoisting winches with a maximum load of 250 kg (**Directive 2006/42/CE**).

Can be easily integrated on the davitrac, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools. Can also be used for lifting materials with a capacity of 250kg.

- Available cable lengths of 20m and 30m
- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davitrac.

Model	Weight (kg)	Product Code
CaRol R 250kg with 20m of galvanized cable and bracket for Davitrac	28.9	286949
CaRol R 250kg with 30m of galvanized cable and bracket for Davitrac	36.1	286959

# Davitrac

Accessories for load lifting

## CaRol TS 500 - lifting materials - with 18m of galvanized cable and bracket for Davitrac

Manual designed for simple lifting and pulling applications (**2006/42/CE**).

Can be easily integrated on the davitrac, without tools.

- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davitrac.

Model	Product Code
CaRol TS 500 - with 18m of galvanized cable and bracket for Davitrac	286989



Made in France

## CaRol MO with console for Davitrac - lifting materials

Electric winch designed for simple lifting and pulling applications (**2006/42/CE**), ideal to replace a manual winch.

Can be easily integrated on the davitrac, without tools.

- Drum in mechanically welded steel
- Limit switch
- Capacity : 500kg max (depending of the model)
- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davitrac.

Model	Product Code
CaRol MO 500 - lifting materials - with 13m of galvanized cable and bracket for Davitrac	293009



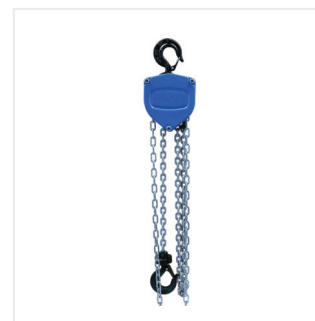
Made in France

## Tralift

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

- Compact and lightweight
- Robust design with cast steel safety catches
- Easily portable for use anywhere
- Swivel hook with overload indication and robust cast steel safety catches

Model	Product Code
Tralift 500kg - 10m	286849





# Blocmat

Load arrester

## Blocmat load arrester

### Blocmat S (Ceiling Assembly) and Blocmat SI (Floor Assembly)

Automatic wire rope load arrester with an integrated drum reeler.

The Blocmat is an automatic wire rope load arrester with an integrated drum reeler. A falling load will be arrested within 10 cm by the Blocmat. It is easy to carry out a functional test and to manually release and reset the load arrester. After activation, release, and reset the system can immediately be used again.

Available models in the Blocmat series:

- S - Ceiling assembly
- SI - Floor assembly (to be used with additional sheave)

Features Blocmat S Ceiling assembly and SI Floor assembly:

- Very limited fall (<100 mm)
- Triggering speed 30m/min
- Automatic winding of wire rope
- Very robust and durable
- Easy to use
- Manual test function
- Capacity up to 1,000 kg
- Complies with the 2006/42/EC standard



Model	WLL	Wire Rope Length (m)	Wire Rope Diameter (mm)	Weight (kg)	Product Code
S 500/15	500	15	6.5	29	47329
S 500/20	500	20	6,5	38	47339
S 500/25	500	25	6.5	40	47349
S 800/10	800	10	8.4	35	47359
S 800/20	800	20	8.4	43	47369
S 1000/8	1,000	8	9.5	33	47379
S 1000/12	1,000	12	9.5	39	47389
S 1000/25	1,000	25	9.5	46	75399
SI 500/15	500	15	6.5	28	47269
SI 500/25	500	25	6.5	39	47279
SI 800/15	800	15	8.4	36	47289
SI 800/25	800	25	8.4	42	47299
SI 1000/10	1,000	10	9.5	29	47309
SI 1000/25	1,000	25	9.5	44	47319

Made in France

# Blocmat

Load arrester

## Blocmat TSD

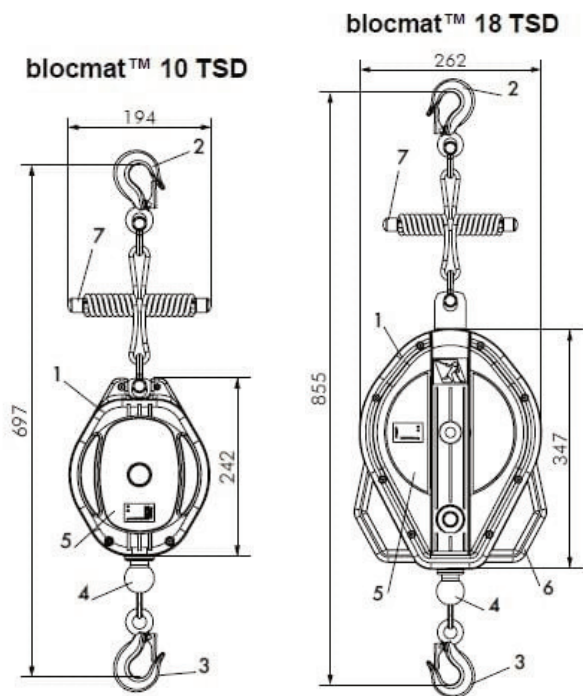
The Blocmat TSD: An advanced self-retracting load fall arrest solution. Equipped with the innovative TSD system (Top System Dissipator), the Blocmat TSD guarantees a falling load of less than 650daN, even if the load drops when the cable is fully unwound.

The Blocmat TSD is available in two lengths: 10m and 18m, both with a Working Load Limit (WLL) of 250kg. It offers a number of advantages over traditional fall arrest systems. Its integration of the TSD system at the top of the device eliminates the risk of a violent shock, while its optimised design allows for simplified maintenance. In addition, the Blocmat TSD has a very good grip for transport and installation, making it easy to use in any work environment.

Trust the Blocmat TSD to keep your equipment and personnel safe and secure. Contact us to learn more today.

Modèle	CMU (kg)	Dimensions (mm)	Longeur câble (mm)	Ø câble (mm)	Vitesse (m/min)	Poids (kg)	Code produit
Blocmat 10 TSD	250	697 x 194 x 95	10	4,9	35	5,9	279479
Blocmat 18 TSD	250	855 x 262 x 110	18	5	35	9,6	279489

Made in France



1. Housing
2. Anchorage on structure
3. Anchorage to load
4. End stop
5. Identification label
6. Handle
7. Shock absorber

# Material-only load arrester



Modèle	CMU (kg)	Code produit
BSO 500 P	600	291569
BSO 1020 P	800	291609
BSO 1030 P	1,000	291639
BSO 1040 P	1,200	291669
BSO 2050 P	2,000	291699
BSO 3060	3,000	291989

The Blocstop BSO can be used in numerous areas like a load arrester for material transportation (i.e. opening and closing of a garage door, lifting of valuable material load, protection for a sensible ground surface underneath the load....)

BSO – Blocstop operating by overspeed detection :

If the movement of the safety rope exceeds a specified speed then the BSO triggers automatically and securely catches the load. The safety rope is held between the clamping jaws, preventing the rope from slipping any further. However, the surface of the clamping jaws is large enough to prevent damage to the rope. The Blocstop BSO is designed in such a way that the clamping jaws grip tighter, the higher the load on the rope.

Furthermore, the Blocstop BSO has been tested using many times the nominal load in order to ensure an extremely large safety margin.

We are constantly working to improve our products.

Features Blocstop BSO :

- Very robust and durable
- Small, light and compact
- Manual test function
- Capacity up to 3,000 kg
- Complies with the 2006/42/EC standard

# Floor Handling Equipment

## Pakrol skates and trolley skates

Pakrol™ skates and trolley skates are designed for easy and smooth transport of heavy loads across a flat and smooth floor.

The floor should be checked to ensure it has sufficient load-carrying capacity and if necessary flat steel plates should be used to carry the Pakrol™ and load.

The Pakrol™ skates and trolley skates can be used in combination to move loads from 2000kg to 20000kg.

- WLL 2000kg to 20000kg
- Robust construction
- A modular system to steer and move loads
- Trolley skates have turntables
- Skates can be joined together to increase capacity
- Nylon or PU rollers with ball bearings
- The load can be pulled and steered by the drawbar
- The floor must be completely smooth and flat in order to move the loads.

Model	WLL	No. of Wheels	Description	Product Code
Skate 2t NY	2	2 / NY	2 wheel nylon skate	50149
Skate 4t NY	4	4 / NY	4 wheel nylon skate	50159
Skate 6t NY	6	6 / NY	6 wheel nylon skate	50169
Trolley skate 4t NY	4	4 / NY	4 wheel nylon trolley skate	50179
Trolley skate 6t NY	8	8 / NY	8 wheel nylon trolley skate	50189
Connection bar	-	-	-	74517



# Floor Handling Equipment

## Top mechanical toe jacks

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

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

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



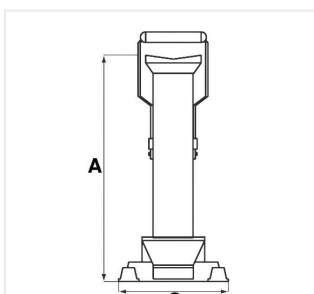
Model	WLL	Lifting Height (m)	Max effort of the handle	A	B	C	D	E	F	G	H	K	R	T	Weight (kg)	Product Code
BT 1,5	1.5	300	30	81	100	600	70	55	46	110	225	147	119	113	18	196478
BT 3	3	355	35	83	130	735	70	60	45	138	249	168	129	130	20	196488
BT 5	5	345	40	108	140	735	80	71	68	170	249	190	146	130	28	196498
BT 10	10	390	58	124	140	800	100	86	76	170	300	250	168	239	46	196508

## Hydrofor hydraulic toe jack

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



Model	WLL	A	B	C	D	E	F	G	Max effort of the handle	Weight (kg)	Product Code
H5	5	368 - 573	745	140	213	Ø93	25	205	450	20	243269
H10	10	420 - 650		170	205	Ø103	30	230	500	28	243279
H25	25	505 - 720	1305	210	420	155 x 155	58	215	450	109	79909





2.

# Measurement and Control





# Dynafor loadcells

a wide range of dynamometers

## Handifor



## Dynafor Industrial



## Dynafor Pro



## Dynafor Expert



### Accuracy

±0,5%

±0,3 %

±0,2 %

±0,1 %

### Capacity

20 kg to 200 kg

1 t to 20 t

1 t to 250 t

0,5 t to 10 t

### Functions

Tare, Peak hold, Units change (kg, daN, lbs)

Tare, Peak hold, Units change (kg, daN, lbs)

Tare, Peak hold, Units change (kg, t, US ton, daN, lbs), Settable alarms, Data saving, Multiple readings

### Display

Display integrated on the loadcell with 14 mm digits

Display integrated on the load cell with 18 mm digits

Multiple display options:

- Multiple reading of load cells on the HDD, wireless range up to 400 m
- Free app compatible with Android and iOS devices



- AL63 giant remote display with 1 to 4 load cells, wireless range up to 200 m.

### Battery life

Up to 100 h

Up to 300 h

Up to 1 000 h

### IP rating

IP40

IP65

IP65 as standard, IP67 available as option

IP64 as standard, IP67 available as option

### Lifting accessories

None

Compatible with bow shackles

Compatible with bow shackles

Compatible with bow and clevis shackles

### Applications

- Hand weighing

- Overhead weighing
- Force measurement testing
- Towing applications
- Safety and lifting applications

- Overhead weighing
- Force measurement testing
- Towing applications
- Safety and lifting applications
- Water bag load testing
- Heavylift projects
- R&D projects
- Load balancing
- Load monitoring on lifting equipment

- Overhead weighing
- Force measurement testing
- Towing applications
- Safety and lifting applications
- R&D projects
- Load balancing
- Load monitoring on lifting equipment



# Handifor

A convenient electronic load indicator including hooks for measuring small weights, quickly and easily.

- 5-digit LCD display, 14 mm height
- Safety factor minimum of 4
- 0.5% accuracy of measuring range
- Units: kg, daN, lbs
- IP40 protection rating

Model	W.L.L (kg)	Accuracy (kg)	Resolution (kg)	Weight (kg)	Code
Handifor 20	20	±0.1	0.1	0.5	199919
Handifor 50	50	±0.25	0.2	0.5	199929
Handifor 100	100	±0.5	0.2	0.6	199939
Handifor 200	200	±1	0.5	0.9	199949

Delivery includes the Handifor, S-hook and carabiner hook, user manual and declaration of conformity.  
Supplied in sturdy cardboard packaging.



## A Dynafor, a customised solution for each of your applications

**Mobile application - Dynafor App**  
(Only 1 sensor for a maximum of 1 phone)



**Threshold management with relay and complete solution**



1 to 4 sensors



**High visibility display**



**Remote display**



--- Wireless link RF 2.4GHz  
--- Bluetooth® wireless link (permanently active)  
--- USB connection  
--- Wired connection  
--- BUS RS 485 link

Data acquisition on PC  
(1 to 16 sensors)

Data download to PC  
- dynasoft Basic  
- dynasoft Premium



# Dynafor Industrial



Featuring an integrated display, the Dynafor Industrial series of load indicators provides great value, with an accuracy of 0.3%.

- Capacity range from 1t up to 20t
- 5-digit LCD display, 18mm height
- 0.3% accuracy of measuring range
- Automatic time off set at 20 min (removal in option)
- Multiple integrated functions : On, Tare, Peak Hold, Units change (kg, lbs, daN)
- IP65 protection rating
- QR code on front face leading to technical documentation and traceability at all time

Model	W.L.L (t)	Accuracy (kg)	Resolution (kg)	Weight (kg)	Product Code
Dynafor Industrial 1T	1	±3	1	0.75	260889
Dynafor Industrial 3.2T	3.2	±9.6	2	0.93	260899
Dynafor Industrial 6.3T	6.3	±18.9	5	1.44	260909
Dynafor Industrial 12.5T	12.5	±37.5	10	3.22	260919
Dynafor Industrial 20T	20	±60	20	4.95	260929
Option - Time off removal	-	-	-	-	281097

The delivery includes the Dynafor Industrial, its user manual, its calibration report and its declaration of conformity. Supplied in a plastic case with protective foam padding.



## Bow shackles

Model	Product Code
Bow shackle 0.5-3.2T	47916
Bow shackle 5T-6.5T	47926
Bow shackle 10T-12.5T	47936
Bow shackle 20T-25T	47946



## Swivel hooks

Model	Product Code
Swivel hook 1T-3.2T	40977
Swivel hook 6.3T-6.5T	105567
Swivel hook 12.5T-15T	113227
Swivel hook 20T	105587

# Dynafor Pro

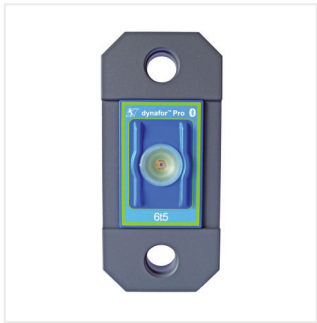


The Dynafor Pro is the latest version of a versatile and robust wireless digital dynamometer, used in various weighing and force measurement applications.

- Capacity range from 1t up to 250t
- Wireless connection using Radio-Frequency 2.4Ghz with Tractel® Dynafor HHD, large displays AL63, DMU and software accessories, up to 400m
- Wireless connection using Bluetooth® with any smartphone equipped with our free app', up to 30m
- Both Bluetooth® and Radio-Frequency 2.4 GHz available simultaneously
- Various possibilities using several Pro and accessories
- 0.2% accuracy of measuring range
- IP 65 protection rating (IP 67 in option)
- QR Code apposed on product leading to technical and traceability documentation

Model	W.L.L (t)	Accuracy (kg)	Resolution (kg)	Weight (kg)	Product Code
Dynafor Pro 1T	1	±2	0,2	0.7	293369
Dynafor Pro 3,2T	3.2	±6,4	0,5	0.86	293379
Dynafor Pro 6,5T	6.5	±13	1	1.6	293389
Dynafor Pro 15T	15	±30	5	3.66	293399
Dynafor Pro 25T	25	±50	10	5.33	293409
Dynafor Pro 50T	50	±100	20	11.45	293419
Dynafor Pro 100T	100	±200	50	27.48	293429
Dynafor Pro 250T	250	±500	100	97.98	293439
Option - IP 67	-	-	-	-	281077
Option - ISO 376 calibration : 0.5T to 10T	-	-	-	-	109407
Option - ISO 376 calibration : 10T to 50T	-	-	-	-	109417

The delivery includes the Dynafor Pro, its user manual, its calibration report and its declaration of conformity. Supplied in a plastic case with protective foam padding



## Dynafor HHD

**Special offer when purchased with loadlink Dynafor**



Intuitive, equipped with a colored-LED display, the Dynafor HHD is a complete and versatile handheld display, which offers endless functionalities.

Universal, the Dynafor HHD can be connected to our Dynafor Pro, Dynafor Expert and Dynafor Transmitter WL. Up to 4 equipments can be simultaneously connected.

Model	Product Code
Exclusivity - Dynafor HHD	293609

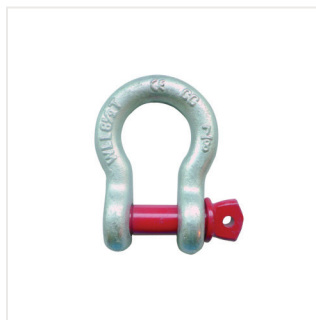
The delivery includes the Dynafor HHD, its user manual, its rugged plastic cover and its declaration of conformity. Supplied in sturdy cardboard packaging





# Dynafor Pro

Lifting accessories



## Bow shackles

Model	Product Code
Bow shackle 0.5-3.2T	47916
Bow shackle 5T-6.5T	47926
Bow shackle 10T-12.5T	47936
Bow shackle 15T	112427
Bow shackle 20T-25T	47946
Bow shackle 50T	47956
Bow shackle 100T	38166
Bow shackle 250T	93106



## Swivel hooks

Model	Product Code
Swivel hook 1T-3.2T	40977
Swivel hook 6.3T-6.5T	105567
Swivel hook 12.5T-15T	113227
Swivel hook 25T	51207
Swivel hook 50T	51447



# Dynafor Pro

Display accessories

## Dynafor HHD

### Wireless display



The Dynafor HHD is a complete and versatile handheld display.

Universal, it can be connected to our Dynafor Pro, Dynafor Expert and Dynafor Transmitter WL.

- Wireless range up to 400m
- Single and multi-sensors (max. 4) reading with sum function
- Multiple display units ( daN, kg, t, US Ton, lbs,kN)
- Tare & Peak hold functions
- Ergonomic interface
- Settable alarms with incorporated buzzer
- Manual data recording with up to 100 measures
- Autonomy up to 24h. Equipped with rechargeable battery. Charger included.
- Can be used in combination with large displays AL63 and DMU for modular solutions
- Can be used with Tractel App at the same time
- QR Code apposed on product for technical and traceability documentation



Model	Product Code
Dynafor HHD	293449

The delivery includes the Dynafor HHD, its user manual, its rugged plastic cover and its declaration of conformity..  
Supplied in sturdy cardboard packaging

## Dynafor AL63

### High visibility displays



The Dynafor AL63 is designed to visualize the efforts or loads measured by one up to 4 sensors in a large display.

It can be wirelessly connected to our Dynafor Pro, Dynafor Expert, up to 200m range.

- Connection from 1 up to 4 sensors, with automatic sum function.
- Visibility up to 45 m
- Tare, peak hold, unit's selection with the TLC remote control.
- Communication between Dynafor AL63 and sensors through RadioFrequency 2.4 GHz
- Can be used with monitor Dynafor DMU

Multiple configurations of monitors, sensors and displays are possible.



Model	Product Code
AL63 kit (incl. TLC remote control, connection unit)	294579
Power supply 110/230VAC -> 24 VDC	199046

The delivery includes the Dynafor AL63, its user manual, a remote control TLC, and its declaration of conformity.  
Supplied in sturdy cardboard packaging



## Dynafor DMU

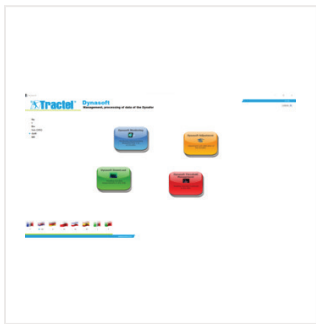
### Display Monitoring Unit

The Dynafor DMU is a configurable safety device for managing 5 relays which are triggered in response to signals received from 1 or more electronic loadcells.

- Measure the rope tension or loads from 1 or more Dynafor Pro, Expert and Transmitter
- Manage 5 relays with adjustable thresholds and hysteresis
- Used for shutting down off equipments, powering on visual and audible alarms..
- Monitor the network
- Connect the unit to a AL63 LED display with a cable
- Connect the unit to a remote display HHD

Model	Product Code
Dynafor DMU - Display Monitoring Unit	293479
Power supply 110/230VAC -> 24 VDC	199046

The delivery includes the Dynafor DMU, its user manual, its declaration of conformity.  
Supplied in sturdy cardboard packaging



## Dynasoft - software for Dynafor

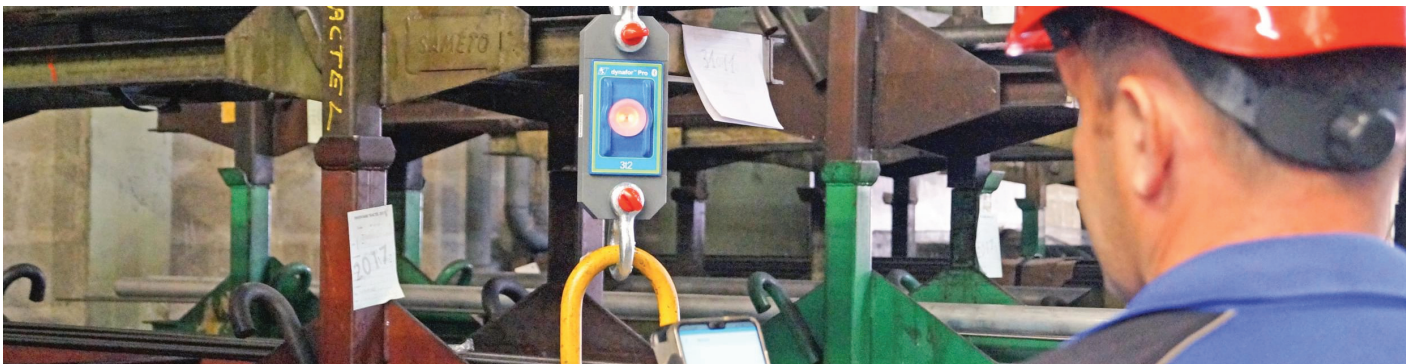
### Connect your Dynafor load cells to your PC for additional functionality

The Dynasoft suite is composed of several modules:

- **Dynasoft Download** allows the transfer of measurements stored in our Dynafor HHD to the PC
- **Dynasoft Threshold Management** allows to transfer the alarm data saved in our Dynafor HHD to the PC
- **Dynasoft Monitoring** to perform real-time monitoring, recording and processing. The software needs to be used conjointly with our Dynafor HHD, and one to 16 Dynafor loadcells. Two packages are available. The basic and premium licenses are valid for an initial period of 1 year, which can be extended on expiration.

Model	Product Code
Dynasoft Basic (incl. Download & Threshold management) - First year	293509
Dynasoft Basic - renewal 1 year	287717
Dynasoft Premium (incl. Monitoring, Download & Threshold Management) - First year	294479
Dynasoft Premium - Renewal 1 year	287707

Softwares are delivered informatically, with an activation code.  
Software activation requires Internet connection.



# Dynafor Expert



The Dynafor Expert specific mechanical design allows it to be extremely precise.

- Capacity range from 0.5t up to 10t
- Wireless connection using Radio-Frequency 2.4Ghz with Tractel® Dynafor HHD, large displays AL63, DMU and software accessories, up to 400m
- Wireless connection using Bluetooth® with any smartphone equipped with our free app', up to 30m
- Both Bluetooth® and Radio-Frequency 2.4 GHz available simultaneously
- Various possibilities using several Expert and accessories
- 0.1% accuracy of measuring range
- IP 64 protection rating (IP 67 in option)
- Unique loadcell compatible with clevis hooks and shackles
- QR Code apposed on product leading to technical and traceability documentation

Model	WLL (t)	Accuracy (kg)	Resolution (kg)	Weight (kg)	Product Code
Dynafor Expert 0.5T	0.5	±0.5	0.1	2.3	293299
Dynafor Expert 1T	1	±1	0.2	2.3	293309
Dynafor Expert 2T	2	±2	0.5	2.3	293319
Dynafor Expert 3.2T	3.2	±3.2	0.5	2.3	293329
Dynafor Expert 5T	5	±5	1	3.35	293339
Dynafor Expert 6.3T	6.3	±6.3	1	3.35	293349
Dynafor Expert 10T	10	±10	2	6.45	293359
Option - IP 67	-	-	-	-	281067
Option - ISO 376 calibration : 0.5T to 10T	-	-	-	-	109407

The delivery includes the Dynafor Expert, its user manual, its calibration report and its declaration of conformity. Supplied in a plastic case with protective foam padding



## Dynafor HHD

### Special offer when purchased with loadlink Dynafor

Intuitive, equipped with a colored-LED display, the Dynafor HHD is a complete and versatile handheld display, which offers endless functionalities.

Universal, the Dynafor HHD can be connected to our Dynafor Pro, Dynafor Expert and Dynafor Transmitter WL. Up to 4 equipments can be simultaneously connected.

Model	Product Code
Exclusivity - Dynafor HHD	293609



# Dynafor Expert

Lifting Accessories



## Bow shackles

Model	Product Code
Bow shackle 0.5-3.2T	47916
Bow shackle 5T-6.5T	47926
Bow shackle 10T-12.5T	47936



## Clevis shackles

Model	Product Code
Clevis shackle 0.5T-3.2T	111407
Clevis shackle 5T-6.3T	111417
Clevis shackle 10T	112207



## Clevis Hooks

Model	Product Code
Clevis hook 0.5T-3.2T	111437
Clevis hook 5T-6.3T	111447
Clevis hook 10T	112217



# Dynafor Expert

## Dynafor HHD

### Wireless display



The Dynafor HHD is a complete and versatile handheld display.

Universal, it can be connected to our Dynafor Pro, Dynafor Expert and Dynafor Transmitter WL.

- Wireless range up to 400m
- Single and multi-sensors (max. 4) reading with sum function
- Multiple display units ( daN, kg, t, US Ton, lbs,kN)
- Tare & Peak hold functions
- Ergonomic interface
- Settable alarms with incorporated buzzer
- Manual data recording with up to 100 measures
- Autonomy up to 24h. Equipped with rechargeable battery. Charger included.
- Can be used in combination with large displays AL63 and DMU for modular solutions
- Can be used with Tractel App at the same time
- QR Code apposed on product for technical and traceability documentation



Model	Product Code
Dynafor HHD	293449

The delivery includes the Dynafor HHD, its user manual, its rugged plastic cover and its declaration of conformity..  
Supplied in sturdy cardboard packaging

## Dynafor AL63

### High visibility displays



The Dynafor AL63 is designed to visualize the efforts or loads measured by one up to 4 sensors in a large display.

It can be wirelessly connected to our Dynafor Pro, Dynafor Expert, up to 200m range.

- Connection from 1 up to 4 sensors, with automatic sum function.
- Visibility up to 45 m
- Tare, peak hold, unit's selection with the TLC remote control.
- Communication between Dynafor AL63 and sensors through RadioFrequency 2.4 GHz
- Can be used with monitor Dynafor DMU

Multiple configurations of monitors, sensors and displays are possible.



Model	Product Code
AL63 kit (incl. TLC remote control, connection unit)	294579
Power supply 110/230VAC -> 24 VDC	199046

The delivery includes the Dynafor AL63, its user manual, a remote control TLC, and its declaration of conformity.  
Supplied in sturdy cardboard packaging

# Dynafor Expert



## Dynafor DMU

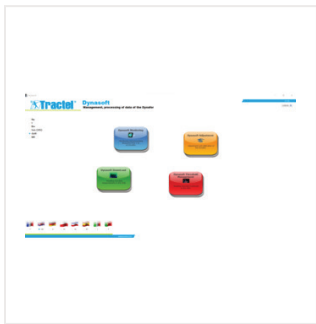
### Display Monitoring Unit

The Dynafor DMU is a configurable safety device for managing 5 relays which are triggered in response to signals received from 1 or more electronic loadcells.

- Measure the rope tension or loads from 1 or more Dynafor Pro, Expert and Transmitter
- Manage 5 relays with adjustable thresholds and hysteresis
- Used for shutting down off equipments, powering on visual and audible alarms..
- Monitor the network
- Connect the unit to a AL63 LED display with a cable
- Connect the unit to a remote display HHD

Model	Product Code
Dynafor DMU - Display Monitoring Unit	293479
Power supply 110/230VAC -> 24 VDC	199046

The delivery includes the Dynafor DMU, its user manual, its declaration of conformity.  
Supplied in sturdy cardboard packaging



## Dynasoft - software for Dynafor

### Connect your Dynafor load cells to your PC for additional functionality

The Dynasoft suite is composed of several modules:

- **Dynasoft Download** allows the transfer of measurements stored in our Dynafor HHD to the PC
- **Dynasoft Threshold Management** allows to transfer the alarm data saved in our Dynafor HHD to the PC
- **Dynasoft Monitoring** to perform real-time monitoring, recording and processing. The software needs to be used conjointly with our Dynafor HHD, and one to 16 Dynafor loadcells. Two packages are available. The basic and premium licenses are valid for an initial period of 1 year, which can be extended on expiration.

Model	Product Code
Dynasoft Basic (incl. Download & Threshold management) - First year	293509
Dynasoft Basic - renewal 1 year	287717
Dynasoft Premium (incl. Monitoring, Download & Threshold Management) - First year	294479
Dynasoft Premium - Renewal 1 year	287707

Softwares are delivered informatically, with an activation code.  
Software activation requires Internet connection.



# Mechanical Dynasafe

Quick and reliable load limiters

## Dynasafe Mecha

### Wire rope load limiter

The Dynasafe Mecha is a mechanical load limiter to be installed on a steel wire rope.

- 2 independant thresholds (max. 4A / 230 VAC)
- Can be used for overload protection, wire rope slack detection and others
- Easy to mount
- Repeatability of 1%
- Cable gland output - Lenght 2m
- QR Code apposed on product for technical and traceability documentation
- Factory setting available in option

Model	W.L.L (kg)	Rope Diameter (mm)	Product Code
Dynasafe Mecha 3.2	3200	5-16	293599
Dynasafe Mecha 7	7000	17-26	198959
Dynasafe Mecha 12	12000	27-36	38668
Option Mecha 3.2 - Extra cable lenght (max 10m)			282847

The delivery includes the Dynasafe Mecha, its user manual, its declaration of conformity. Supplied in sturdy cardboard packaging



## Dynasafe HF 05

### Dead-end load limiter

The Dynasafe HF05 is a mechanical load limiter to be installed on a fixed point (dead-end or specific mechanical design)

- Capacity up to 8 t
- 2 independant thresholds (max. 4A / 230 VAC)
- Can be used for overload protection and others
- Cable gland output - Lenght 2m
- Factory setting available in option

Model	W.L.L (kg)	Product Code
HF05/1/A2/AL	500	207298
HF05/2/A2/AL	1 250	207308
HF05/3/A2/AL	2 000	207318
HF05/4/A2/AL	3 200	207328
HF05/5/A2/AL	5 000	207338
HF05/6/A2/AL	8 000	207348

The delivery includes the Dynasafe HF05, its user manual, its declaration of conformity. Supplied in sturdy cardboard packaging



## Dynasafe Mecha and HF05 setting

Model	Product Code
Option - Factory preset for Mecha 3.2	281407
Option - Factory preset for Mecha 7	274647
Option - Factory preset for HF05, Mecha 12	73887

Price is for one threshold setting. For Mecha, setting is done on wire ropes of structure 6X36 or 7X19, at the nearest diameter available at factory.

# Electronic Dynasafe

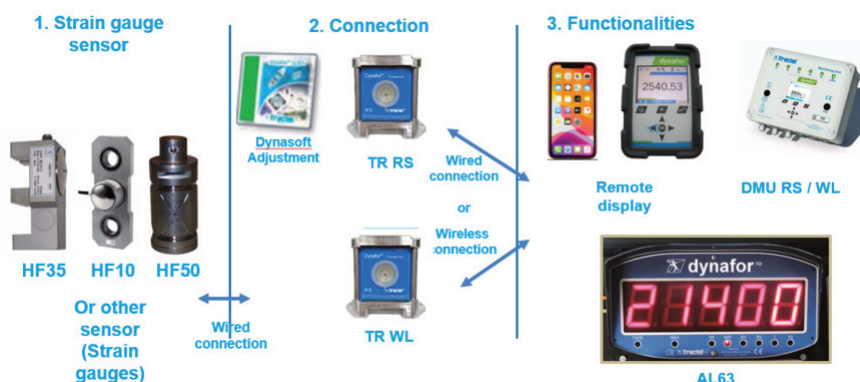
## Applications

When a mechanical solution is not enough, and you want to :

- Display a load
- Integrate a sensor signal to your PLC (Programmable Logic Controller)
- Do real-time monitoring and relay management
- Manage several sensors individually and together

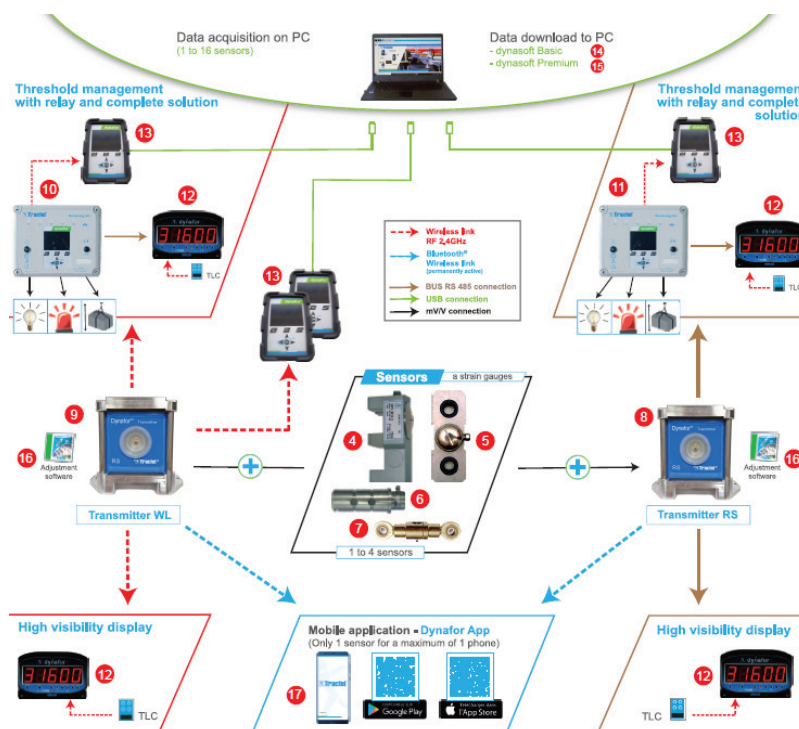
From the sensor definition, to the accessories option, Tractel supports you in defining an electronic solution that meets your requirements.

## How to define a Dynasafe solution



1. Select or design a strain gauge sensor that fits perfectly in your application. Tractel offers standards sensors as well as specific sensors.
2. Define what type of connection do you need :
  - Wired connection through our Dynafor™ Transmitter RS
  - Wireless connection through our Dynafor™ Transmitter WL
  - Standard wired conditioner for analog output (4-20 mA, 0-10V)
3. Select the correct Tractel accessories to fulfill your needs

## A fully modular system

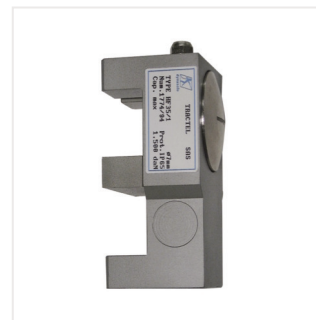


### Dynasafe HF35

#### Wire rope electronic sensor

- Electronic loadcell for installation on a wire rope
- 1% accuracy of measuring range
- Capacity range from 2t to 20t
- Compatible with wire rope diameters 5 to 45 mm
- Cable gland output
- Customized signal output : mV/V, 0-10V, 4-20mA, Hz

Specify wire rope diameter, capacity on fall and signal output with your request.



### Dynasafe HF10

#### Wired loadlink

- Electronic loadcell for installation on dead-end or integrated in a machine
- 0.2% accuracy of measuring range
- Capacity range from 1.6t to 16t
- Cable gland output
- Customized signal output : mV/V, 0-10V, 4-20mA, Hz

Specify effort and signal output with your request.



### Dynasafe HF50

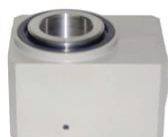
#### Load pin

- Shear stress electronic loadcell for installation as a shaft
- Most integrated product with no headroom loss
- 0.5% accuracy of measuring range
- Mechanical design according to customer's specification
- Custom capacity
- Cable gland output
- Customized signal output : mV/V, 0-10V, 4-20mA, Hz

Fulfill the loadpin specification sheet with your request.



Others designs available. For any request please contact us at : [adv@tractel.com](mailto:adv@tractel.com)





# Signal conditionner

## 2. Connection



### Dynafor Transmitter WL & RS Conditionner



The Dynafor Transmitter WL & RS are conditionners used to format the signal generated by a strain gauge sensor into a signal readable by our wired and wireless accessories.

It can be used with any sensor that has a mV/V output.

- Capacity defined by the associated sensor
- WL version :
  - Radio-Frequency 2.4GHz chipset for wireless range up to 400m with our accessories (HHD, AL63, DMU and softwares)
  - Bluetooth chipset for a connection to any smartdevice equipped with our free app', up to 30m
  - Both Bluetooth and Radio-Frequency 2.4 GHz available
- RS version :
  - RS485 output (proprietary) for a wired connection with accessories.
  - Bluetooth chipset aswell as WL version
  - Both RS485 and Bluetooth available
- Powered by 3 AA batteries for WL version, RS485 for RS version
- Combined with our required software "Dynasoft Adjustment", the system {Dynafor Transmitter RS or WL + sensor} is adjustable by the end-user for high accuracy.

Model	Product Code
Dynafor Transmitter RS	293469
Dynafor Transmitter WL	293459

The delivery includes the Dynafor Transmitter WL & RS, its user manual, its rugged plastic cover and its declaration of conformity. Supplied in sturdy cardboard packaging

### Dynasoft Adjustment

#### Option required to calibrate the system

The Dynasoft Adjustment is mandatory to calibrate the loadcell and its Transmitter. It allows the user to set the system capacity, and makes possible to reach high accuracy.

Model Name	Product Code
Dynasoft Adjustment	199529

Software is delivered with a USB dongle, used for the connection between the Transmitter and the PC.

Once the Transmitter is selected, the system can communicate with our wired and wireless Tractel accessories (DMU, HHD, AL), presented on next pages

### Dynafor HHD

#### Wireless display



The Dynafor HHD is a complete and versatile handheld display.

Universal, it can be connected to our Dynafor Pro, Dynafor Expert and Dynafor Transmitter WL.

- Wireless range up to 400m
- Single and multi-sensors (max. 4) reading with sum function
- Multiple display units ( daN, kg, t, US Ton, lbs,kN)
- Tare & Peak hold functions
- Ergonomic interface
- Settable alarms with incorporated buzzer
- Manual data recording with up to 100 measures
- Autonomy up to 24h. Equipped with rechargeable battery. Charger included.
- Can be used in combination with large displays AL63 and DMU for modular solutions
- Can be used with Tractel App at the same time
- QR Code apposed on product for technical and traceability documentation



Model	Product Code
Dynafor HHD	293449

The delivery includes the Dynafor HHD, its user manual, its rugged plastic cover and its declaration of conformity..  
Supplied in sturdy cardboard packaging

### Dynafor AL63

#### High visibility displays



The Dynafor AL63 is designed to visualize the efforts or loads measured by one up to 4 sensors in a large display.

It can be wirelessly connected to our Dynafor Pro, Dynafor Expert and Dynafor Transmitter WL, up to 200m range.

It also can be wired-connected to our Dynafor Transmitter RS.

- Connection from 1 up to 4 sensors, with automatic sum function.
- Visibility up to 45 m
- Tare, peak hold, unit's selection with the TLC remote control.
- Communication between Dynafor AL63 and sensors either through BUS RS 485, either through RadioFrequency 2.4 GHz
- Can be used with monitor Dynafor DMU

Multiple configurations of monitors, sensors and displays are possible.



Model	Product Code
AL63 kit (incl. TLC remote control, connection unit)	294579
Power supply 110/230VAC -> 24 VDC	199046
Bus cable RS485 (per meter)	31411
Connection Unit	244019
Dynafor TLC remote control	293499

The delivery includes the Dynafor AL63, its user manual, a remote control TLC, and its declaration of conformity.  
Supplied in sturdy cardboard packaging



### Dynafor DMU

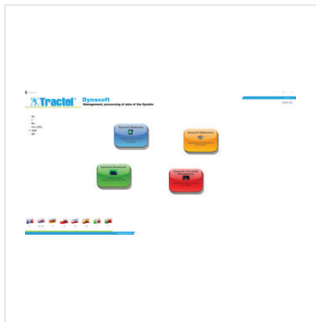
#### Display Monitoring Unit

The Dynafor DMU is a configurable safety device for managing 5 relays which are triggered in response to signals received from 1 or more electronic loadcells.

- Measure the rope tension or loads from 1 or more Dynafor Pro, Expert and Transmitter
- Manage 5 relays with adjustable thresholds and hysteresis
- Used for shutting down off equipments, powering on visual and audible alarms..
- Monitor the network
- Connect the unit to a AL63 LED display with a cable
- Connect the unit to a remote display HHD

Model	Product Code
Dynafor DMU - Display Monitoring Unit	293479
Power supply 110/230VAC -> 24 VDC	199046
Bus cable RS485 (per meter)	31411
Connection Unit	244019

The delivery includes the Dynafor DMU, its user manual, its declaration of conformity.  
Supplied in sturdy cardboard packaging



### Dynasoft - software for Dynafor

#### Connect your Dynafor load cells to your PC for additional functionality

The Dynasoft suite is composed of several modules:

- **Dynasoft Download** allows the transfer of measurements stored in our Dynafor HHD to the PC
- **Dynasoft Threshold Management** allows to transfer the alarm data saved in our Dynafor HHD to the PC
- **Dynasoft Monitoring** to perform real-time monitoring, recording and processing. The software needs to be used conjointly with our Dynafor HHD, and one to 16 Dynafor loadcells. Two packages are available. The basic and premium licenses are valid for an initial period of 1 year, which can be extended on expiration.

Model	Product Code
Dynasoft Basic (incl. Download & Threshold management) - First year	293509
Dynasoft Basic - renewal 1 year	287717
Dynasoft Premium (incl. Monitoring, Download & Threshold Management) - First year	294479
Dynasoft Premium - Renewal 1 year	287707

Softwares are delivered informatically, with an activation code.  
Software activation required Internet connection.



# Dynarope

Tension meters HF37 and HF45

## Dynarope HF37

### Compact, lightweight and handy device for low capacities

The Dynarope tension meter HF37 is a precision device for measuring forces in a tensioned cable or rope, without dismantling the installation.

Can be used for guy wire maintenance, architectural wire rope installations, sailing ships, etc.

- Quick direct mounting on the wire or rope
- Capacity range from 50 to 3000 kg
- Extensive wire rope database
- 3% accuracy of measuring range, if wire rope and diameter included in the database
- Compatible with diameters from 5 to 16 mm
- LCD display directly on the sensor
- Possibility to add a wire or rope in the database

Model	W.L.L (kg)	Rope Diameter (mm)	Product Code
Kit Dynarope HF37/1/LPT	50 - 1 500	5 - 13	190008
Kit Dynarope HF37/2/LPT	100 - 3 000	5 - 16	190018

The delivery includes the Dynarope HF37, its display, the software Loader Light, its CE certificate and its manual. Supplied in a robust plastic case.



## Dynaline HF 45

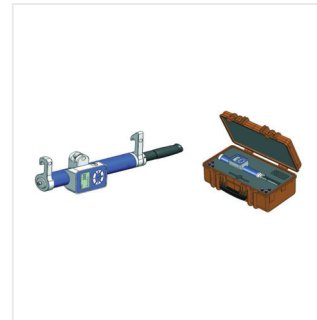
### Adapted for lifeline

Specific model, based on HF37 technology, adapted to measure precisely tension in lifelines.

- Quick direct mounting on the wire or rope thanks to modified fixing hooks
- Capacity range from 50 to 600 kg
- Specific lifeline wire rope database
- 3% accuracy of measuring range, if wire rope and diameter included in the database
- Compatible with diameters from 8 to 12 mm
- LCD display directly on the sensor
- Possibility to add a wire or rope in the database

Model	W.L.L (kg)	Rope Diameter (mm)	Product Code
Kit Dynaline HF45/1/LPT	50 - 600	8 - 12	187998

The delivery includes the Dynaline HF45, its display, the software Loader Light, its CE certificate and its manual. Supplied in a robust plastic case.

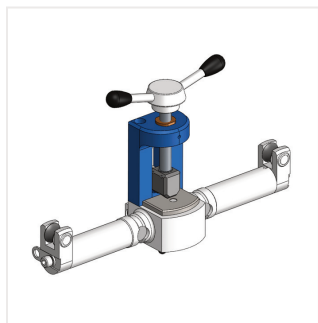


## Database extension and softwares

Model Name	Product Code
Option - Specific calibration for database	111347
Software Loader Tech - Update of database remotely	193018
Software Loader Full (incl. Loader Tech + Loader Light)	187978
Software Monitor - Real time monitoring on PC	193028

In order to perform calibration, a specific sample is required.

Loader Light (unload data saved in the tensiometer) always included with the kit



## Dynarope HF 36

### Tension meter for high capacities

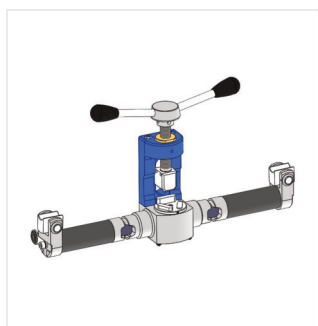
The Dynarope tension meter HF36 is a precision device for measuring forces in a tensioned cable or rope, without dismantling the installation. Can be used for equalising wire rope installations, guy wire tower applications, guy wire antennas and masts applications...

- Direct mounting on wire or rope, tightening by turning the wheel
- Extensive capacity range from 100 kg to 40t
- Various wire rope database
- 1% accuracy of measuring range, if wire rope and diameter included in the database
- Compatible with diameters from 5 to 44 mm
- Separate LCD display connected with LEMO cable
- Possibility to add a wire or rope in the database

Model Name	W.L.L (kg)	Rope Diameter (mm)	Product Code
Kit Dynarope HF36/1/LPT	100 - 5 000	5 - 13	187938
Kit Dynarope HF36/2/LPT	100 - 20 000	9 - 28	187948
Kit Dynarope HF36/3/LPT*	200 - 40,000	20 - 44	187958

\*For efforts above 20t, the complementary hydraulic kit is required. Contact Tractel.

The delivery includes the Dynarope HF36, its displays, the LEMO cable connection, the software Loader Light, its CE certificate and its manual. Supplied in a robust plastic case.



## Dynarope HF 36/RWT

### Tension meter designed for railway applications

The Dynarope tension meter HF36 model RWT is a very specific tensiometer designed to measure tension on catenaries, without dismantling the installation.

- Direct mounting on wire or rope, tightening by turning the wheel
- Modified support points to match catenaries shape
- Capacity range from 100 to 5000 kg with specific database
- 1% accuracy of measuring range, if wire rope and diameter included in the database
- Compatible with diameters from 9 to 28 mm
- Separate LCD display connected with LEMO cable

Model Name	W.L.L (kg)	Rope Diameter (mm)	Product Code
Kit Dynarope HF36/1/RWT	100 - 5 000	9 - 28	190688

The delivery includes the Dynarope HF36, its displays, the LEMO cable connection, the software Loader Light, its CE certificate and its manual. Supplied in a robust plastic case.

## Database extension and softwares

Model Name	Product Code
Option - Specific calibration for database	122350
Software Loader Tech - Update of database remotely	193018
Software Loader Full (incl. Loader Tech + Loader Light)	187978
Software Monitor - Real time monitoring on PC	193028

In order to perform calibration, a specific sample is required. Loader Light (unload data saved in the tensiometer) always included with the kit



# Anchor test equipment

Anchor point testers and Dynaplug

## Anchor Tester TA

Anchor testers TA are test specimens endowed with a breaking section calibrated to break under a determined traction force. The anchor tester must be installed between the anchor point to be tested and the loading device by means of shackles or any other adequate mechanical connection.

- Quick and reliable test
- Unique usage
- Capacity range from 600 to 4000 daN
- Breaking tolerance  $\pm 10\%$

Model	Breaking load (daN)	Product Code
TA 600 - 20 plates	600	193269
TA 1000 - 20 plates	1 000	261769
TA 1200 - 20 plates	1 200	261779
TA 1500 - 20 plates	1 500	193279
TA 2000 - 20 plates	2 000	193289
TA 4000 - 10 plates	4 000	193299

The delivery includes the shear stress plates in batch of N plates, and its manual. Supplied in PE bag.



## Dynaplug HF 44

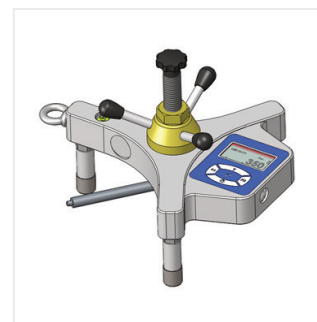
### Electronic anchor tester

The Dynaplug anchor tester is an electronic load cell designed to measure anchor strength in construction material. Its shape as a tripod has been especially designed to minimize its influence on the concrete around the fixing.

- Stand-alone anchor tester
- Capacity range from 1 500 to 5000 daN
- 0.5% accuracy of measuring range
- Height of legs adjustable between 70 and 190 mm
- Multiple accessories provided with the tester
- LCD display integrated on the device
- Data saving and possibility to monitor the tension on a PC in option

Model	W.L.L (daN)	Product Code
Kit Dynaplug HF44/1/LPT	1500	190028
Kit Dynaplug HF44/2/LPT	2500	190038
Kit Dynaplug HF44/3/LPT	5000	190048

The delivery includes the Dynaplug HF44, 4 studs M10/M12/M14/M16 and one traction fork, 3 threaded rods to adjust the height of the legs, the software Loader Light, its CE certificate and its manual. Supplied in a robust plastic case.





# 3. Height Safety Products & systems



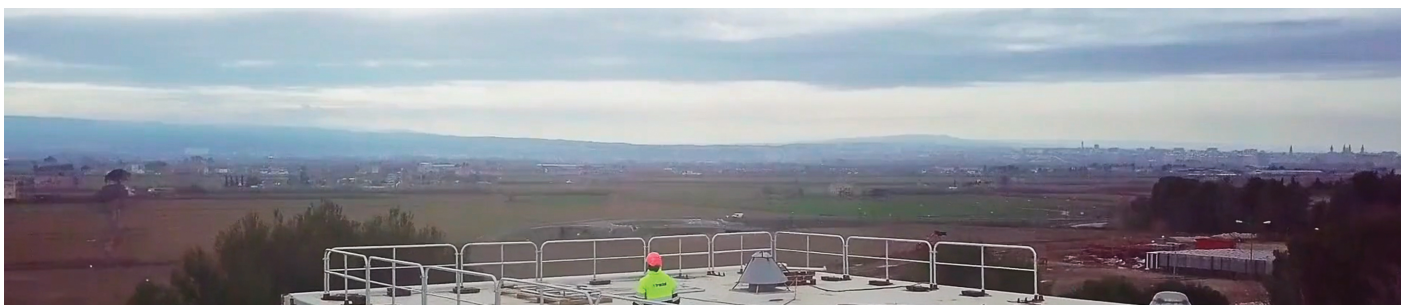


# Safety at height

Worker safety and ergonomic working conditions are the two key topics to consider when planning work at height.

## Collective protection

If working at height cannot be avoided, the installation of collective protection measures such as guard rails should be considered in the first instance. How to safely enter, exit and move around the area with collective protection are points that should be taken into consideration. All measures must be taken to prevent the performance of a particular job from leading to the temporary removal of collective protection equipment. In some instances the installation of temporary collective protection is also a good solution.



## Using fall protection PPE

If it is impossible to use collective protection to protect against falls from height, PPE can be used to ensure worker safety. Before any height safety PPE is used, a fall protection plan should be created.

A fall protection plan is a safety plan for workers who will be at elevated work areas. Having a detailed fall protection plan is essential to ensure the highest degree of worker safety. The plan aims to provide a safe working environment and to manage the use of fall protection measures, techniques and equipment.



The following 7 topics should always be addressed in your fall protection plan:

- Assess all fall hazards in the work area
- The fall protection applications employees will be conducting in and the equipment they will need to work safely
- Correct procedures for assembly, use, inspection, maintenance and disassembly of fall protection systems used
- Correct procedures for handling, storage and securing of tools and materials
- Training required for the workers working on the jobsite
- The fall protection plan must be job and site specific
- The fall protection plan must be available to all workers

# EN Standards

## HARNESSES

**EN361:** Personal protective equipment against falls from height. Harness belts for work restraint and fall arrest.

**EN358:** Personal protective equipment for work positioning and prevention of falls from a height. Belts for work positioning and restraint and work positioning lanyards. Normally encompassing side 'D' rings on the waist belt, this allows the user to incorporate a work positioning belt.

**EN813:** Personal protective equipment against falls from height. Work seats. The seat belt **EN813** can be incorporated on the harness **EN361**. These harnesses have a padded seat and are suitable for working in full suspension. This includes rope access and activities such as window cleaning. It allows greater comfort for the user and has an attachment point for attaching a descender.

**EN1497:** Rescue harness, dedicated to the design and test of the rescue features in a harness. **EN1497** can be incorporated on the harness **EN361**.

## LANYARDS

**EN354:** Personal protective equipment against falls from height. Lanyards. These can be made from webbing or rope and are suitable for work restraint.

**EN355:** Personal protective equipment against falls from height. Shock absorbers. These lanyards have a shock absorber and are suitable for fall arrest and work restraint. The maximum length of the lanyard is 2m.

## CONNECTORS

**EN362:** Personal protective equipment against falls from height. Connectors. These include connectors like karabiners, scaffold hooks and dual action hooks. They are used for connecting to anchor points and structures.

## ANCHOR POINTS

**EN795:** fall arrest anchorage point permitting connection to the structure. Two types:

**1. PPE anchorage:** is transportable anchorage not permanently fixed to the structure.

**type (B):** Temporary anchor points, **type (E):** Dead-weight anchors

**2. NOT PPE anchorage:** permanently fixed to the structure

**type (A):** Permanent anchoring, **type (C):** Permanent lanyard systems, **type (D):** Horizontal rail systems

## FALL ARREST/CONTROLLED RATE DESCENDERS/ROPE GRABS

**EN360:** Personal protective equipment against falls from height. Automatic Fall arresters with retractable lanyards. These devices can be made from webbing or steel wire rope and, depending on the model, can be used in horizontal or vertical applications.

**EN341:** Evacuator from height. Descender devices for rescue. These controlled rate descenders can be used to lower a casualty or for self rescue from height. These can be equipped with a rescue winch **EN1496**

**EN1496:** Rescue winch / Rescue lifting devices. These devices can be used to raise a casualty back to the anchor point in the event of an emergency. They are often used as a secondary device

**EN353-1:** Personal protective equipment against falls from height. Guided type fall arresters including a rigid anchor line. These are permanently installed systems that can be either wire rope or rail. They include a traveller that will allow the user to ascend and descend. This mechanism will lock off in the event of a fall.

**EN567:** This standard covers mountaineering equipment such as those used in rope access. It includes rope clamp and ascenders.

## RIGID & VERTICAL FALL ARREST

**EN353-2:** Personal protective equipment against falls from height. Guided type fall arresters including a flexible anchor line. These are temporary installed systems. Depending on the model, they can be used vertically or horizontally and for work restraint or fall arrest.

## HELMETS

**EN397:** Industrial safety helmets. Head protection suitable for construction site use.

## ADDITIONAL TECHNICAL SPECIFICATIONS

CNB/P/11.060 (horizontal use for the blocfor™ range)

CNB/P/11.062 (use with more than 100 kg user weight )

CNB/P/11.074 horizontal use for the lanyards range)

CNB/P/11.075 (horizontal use for the stopfor™ range)

CNP/P/11.085 (Retractable fall arrest device, Fall Factor 2)

## COLLECTIVE PROTECTION

**EN13374-A:** Temporary edge protection systems. temporary guardrail. It specifies the requirements and test methods for temporary edge protection systems for use during construction or maintenance of buildings and other structures.

**EN14122-4:** Safety of machinery — Permanent means of access to machinery. It gives requirements for non-powered guardrails which are a part of a stationary machine, and to the non-powered adjustable parts (e.g. foldable, slidable) and movable parts of those fixed means of access.

Before choosing fall protection, it is important to look at the environment and the situation in which you work. Each situation requires a specific approach, as well as appropriate equipment.

**European standards** recognize 5 types of fall protection.

## Fall arrest

A fall arrest system prevents the user from falling to the ground in the case of a free fall. Its role is to arrest a fall safely by limiting the force of shock suffered by the user. It must be used with enough space that is free from obstacles, allowing the free fall (fall clearance).

### EQUIPMENT REQUIRED

- Anchoring (EN 795)
- Harness (EN 361)
- Fall arrester (EN 355, EN 353-2, EN 360)
- Safety helmet (EN 397)

## Working while suspended (rope access work)

A suspension work system allows a user to move on a rope when they are no longer in contact with a structure. The user moves in suspension, using a safety harness equipped with an umbilical attachment point, to which a vertical displacement system is connected.

**This device is not intended to stop a fall and must be used in conjunction to a fall arrest system.**

### EQUIPMENT REQUIRED

- Anchoring (EN 795-A, B, D)
- Harness (EN 361, EN 358, EN 813)
- Fall arrester (EN 360, EN 353-2)
- Ascender (EN 567)
- Descender (EN 341)
- Safety helmet (EN 397)

## Work restraint

A restraint system allows delimitation of a workspace, preventing the worker from entering an area which has a risk of falling.

**This type of device is not intended to stop a fall from height.**

### EQUIPMENT REQUIRED

- Anchoring (EN 795)
- Harness or safety belt (EN 361, EN 358)
- Lanyard (EN 354)
- Adjustable lanyard (EN 358)
- Safety helmet (EN 397)

## Rescue

A rescue system can evacuate a user on a vertical axis from top to bottom or from bottom to top. The use must be assessed before each intervention and the rescue system should be adapted to the site. Staff must be trained in its use.

### EQUIPMENT REQUIRED

- Anchoring (EN 795)
- Harness (EN 361, EN 1497)
- Rescue or evacuation equipment (EN 341, EN 1496)
- Safety helmet (EN 397)

## Work positioning

A work positioning system secures the operator at the place of work.

It consists of a work positioning belt and an adjustable lanyard. This system lets the operator make precise positional adjustments at the place of work while keeping both of his or her hands free to perform the task.

**The purpose of this device is not to arrest a fall, it must be used in conjunction with a fall arrest system.**

### EQUIPMENT REQUIRED

- Anchoring (EN 795)
- Work positioning harness and belt (EN 361, EN 358)
- Work positioning lanyard (EN 358)
- Safety helmet (EN 397)





# Tractel's fall arrest equipment specifications

High capacity range 150 kg and use of fall arrest equipment on sharp edges



**Tractel** is one of the first manufacturers to develop a complete range of fall arrest systems with a capacity greater than 100 kg, compliant with the EC requirements.

This range, including anchoring systems, connectors, fall arresters, automatic fall arresters, sliding fall arresters, harnesses, belts, and thigh straps, is tested according to European specifications:

- PPE-R/11.062 (for use above 100 kg)
- PPE-R/11.060 – 074 – 075 (for horizontal use / EDGE compliant)

This range is tested to stop the fall of an operator weighing 150 kg (this figure includes the weight of a person and their equipment) and allows employees to work safely at height, both vertically and horizontally, and in roof / edge applications.

In order to provide protection for the user up to the maximum allowed weight, the entire security line (anchorage – fall arrester – harness) must be HIGH CAPACITY RANGE 150 KG.

**Attention:** the weakest element in the chain always determines the maximum resistance for the entire system.

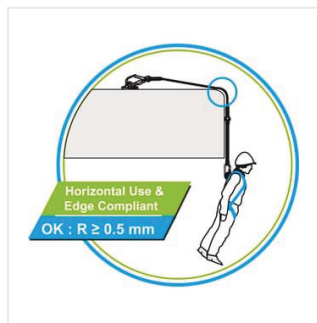
## Use of the Tractel® fall arrest equipment on sharp edges:

Tractel fall protection PPE is intended for working at height, where there is a risk of falling vertically, as well as for working at height on a horizontal surface, where there is a risk of falling over a sharp edge (roof terrace use.)

Therefore, our ranges blocfor™\*, stopfor™\* and lanyards\* are certified according to the sheets:

- **PPE-R/11.060** (for the blocfor range)
- **PPE-R/11.074** ((for the lanyards range)
- **PPE-R/11.075** (for the stopfor range)

Tractel products are tested to stop the fall of a person, including safety equipment and tools, weighing up to 150 kg.







# Selecting your fall protection PPE

Tractel® offers a full range of Personal Protective Equipment (PPE) in order to offer the support and safety necessary to protect yourself from the risk of falling when working at height. With over 70 years of industry experience, Tractel® has built a culture of safety through its ingenuity in manufacturing innovative and high quality products.

## BASIC REQUIREMENTS OF PPE

- PPE must be suitable for the user.
- PPE must be properly maintained and stored.
- The user must be trained and / or informed in the use, care and maintenance of the equipment.
- Employers must evaluate the PPE requirements.
- Employees must report any loss or damage to the PPE.
- PPE must be compatible with the systems used.

## CREATE YOUR FALL ARREST SYSTEM

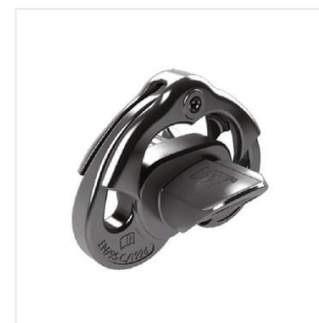
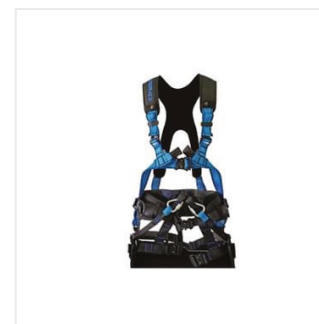
To protect yourself in the event of a fall, you must have a fall arrest system that will stop and support you.

This fall arrest system must contain:

- An anchor
- Fall arrester (rope grab, self-retracting lanyard, energy absorber)
- A safety harness

Your fall arrest system can be supplemented with a lanyard that limits your movements within a secured area

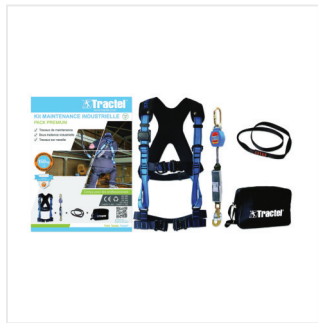
**While working at height using fall arrest equipment, a helmet must be worn that is certified to EN 397, with chin strap and 4 fixing points and classified as PPE category III.**





# Industrial maintenance

Kits for industrial maintenance, with adjustable length fall arrester lanyard with ring to create an anchor point.



## Industrial maintenance Premium Pack

Model	Description	Product Code
Industrial maintenance Premium Pack	Box	72572
	Harness HT55, Size M	
	Fall arrester 1.80 m - Blocfor 1,8 A ESD	
	Anchor AS19S	
	Bag	

Made in France



## Industrial maintenance 4

Model	Description	Product Code
Industrial maintenance 4	Harness HT22, Size M	67472
	Fall arrester 1.80m - blocfor™ 1,8 A ESD	
	Anchor AS19S	
	Bag : combipro 20l	

Made in France



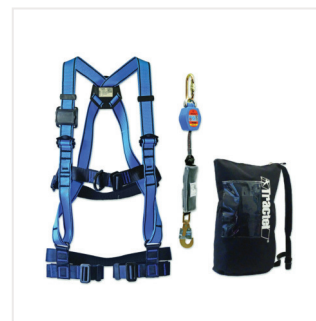
# Powered access

Kits enabling the securing and maintaining of increased freedom of movement when using powered access platform.

## Powered access - Premium kit

Model	Description	Product Code
Powered access - Premium kit	Harness HT45, Size M Fall arrester 1.80m - blocfor™ 1,8 A ESD Bag : combipro 20l	67522

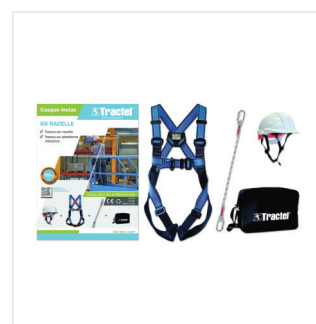
Made in France



## Powered access - Helmet included

Model	Description	Product Code
Powered access - Helmet included	Box Harness HT22, Size M Lanyard LD, 1,5 m. Helmet Medium bag	82992

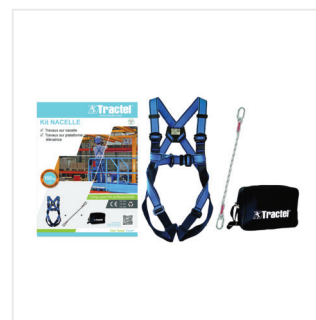
Made in France



## Powered access

Model	Description	Product Code
Powered access	Box Harness HT22, Size M Lanyard LD, 1,5 m. Medium bag	72552

Made in France



# Scaffolding installers

Kit designed for scaffolding installers.



## Scaffolding installers

Model	Description	Product Code
Scaffolding installers	Box Harness HT22, size M Twin lanyard LDF 1.5 m Bag	70152

Made in France



## Scaffolding installers - Premium

Model	Description	Product Code
Scaffolding installers - Premium	Harness HT22, Size M Fall arrester 1.8m - blocfor™ 1.8B ESD Lanyard LD11 1,5 10-53 Small bag	83102

Made in France





# Roofer

Kits for use by Roofers, Carpenters and Metal Workers, enabling greater freedom of movement and control over working positions.

## Roofer kit

Model	Description	Product Code
Roofer kit	Box	70162
	Harness HT22, Size M	
	Fall arrester Stopfor KSP 100 kg	
	Rope RLXD 10m	
	Connector M10	
	Bag	

Made in France



## Roofer

- Harness HT22, size M
- Fall arrester stopfor™ MSP, strap 0.3m
- Connector M10
- Bag : combipro 30l

Model	Description	Product Code
Roofer	Rope RLX 10m	40862
Roofer	Rope RLX 15m	40872
Roofer	Rope RLX 20m	40882

Made in France



# Working at height / Easytrac

Kits designed for all trades with high vertical displacement. / Kits for occasional jobs.

## Working at height - Helmet included



Model	Description	Product Code
Working at height - Helmet included	Box	82982
	Harness HT22, Size M	
	Fall arrester stopfor™ K	
	Rope RLXD 10m	
	Connector M10	
	Helmet	
	Bag	

Made in France

## Working at height



Model	Description	Product Code
	Box	72562
	Harness HT22, Size M	
	Fall arrester Stopfor K	
	Rope RLXD 10m	
	Connector M10	
	Bag	

Made in France

## Easytrac



Model	Description	Product Code
Easytrac	Harness HT21, Size M	35322
	Fall arrester stopfor™ BF, with strap 0.3m	
	Rope RLX 10m	
	Connector M10	
	Anchor AS19S	
	Bag : combipro 20l	

Made in France

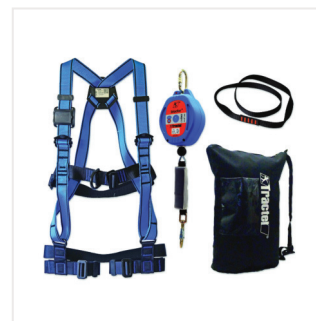
# Waterproofers / Window cleaner

Kits for waterproofers working on slight gradient terrace roofs. / Kits designed for professionals working on windows or other exterior openings on premises not equipped with anchor points.

## Waterproofers - Premium Pack

Model	Description	Product Code
Waterproofers - Premium Pack	Harness HT45, Size M	64242
	Fall arrester 10m - blocfor™ 10 ESD	
	Anchor AS19S	
	Bag : combipro 30l	

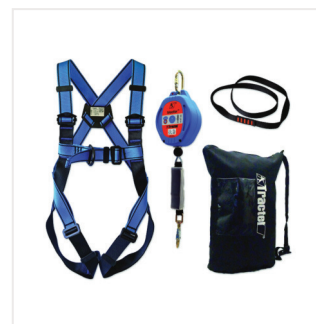
Made in France



## Waterproofers

Model	Description	Product Code
Waterproofers	Harness HT22, Size M	38412
	Fall arrester 10m - blocfor™ 10 ESD	
	Anchor AS19S	
	Bag : combipro 30l	

Made in France



## Window cleaner

Model	Description	Product Code
Window cleaner	Harness HT22, size M	67542
	Fall arrester stopfor™ MSP	
	Rope RLX 20m	
	Sleeve	
	Door bar	
	Door bar bag	

Made in France





# Tree surgeons

Kits for professional tree surgeons designed for long duration interventions.



## Tree surgeons - Pro

Model	Description	Product Code
Tree surgeons - Pro	Harness HT greentool, Size M	51982
	Prussik knot	
	Kernmantle rope for tree puning 30m	
	Lanyard LCM03	
	Bag : combipro 60l	

Made in France



## Tree surgeons

Model	Description	Product Code
Tree surgeons	Harness HT secours, Size M	38452
	Fall arrester stopfor™ MSP, strap 0.3m	
	Rope 20m	
	Lanyard LCM03	
	Bag : combipro 60l	

Made in France



# Harness details

## Attachment points

### DORSAL

Fall arrest attachment point, marked with the letter "A", present on all EN 361-compliant harnesses.



### STERNAL

EN 361-compliant fall arrest attachment point, marked with the letter "A", and "A/2".



### THORACIC

EN 361-compliant fall arrest attachment point, marked with the letter "A", and EN 358-compliant work positioning point.



### UMBILICAL

Attachment point for work while suspended (rope access work) EN 813.

Cannot be used as an anchor point for fall arrest purposes.



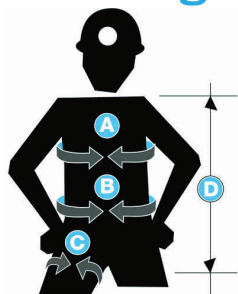
### LATERAL

Attachment point for EN 358-compliant work positioning systems.

Cannot be used as an anchor point for fall arrest purposes.



## Selecting the correct harness size



	S	M	XL	XXL*
A	60 - 100	80 - 120	100 - 160	130 - 170
B	75 - 100	90 - 110	100 - 150	130 - 170
C	45 - 60	45 - 70	45 - 80	80 - 90
D	55 - 65	65 - 80	80 - 90	90 - 100

in cm

\*XXL sizes are only available for specific models, indicated directly on the pages concerned.



# Harness series

## Specialist series

Designed to meet specific job requirements and extended use - EN358 / EN361 / EN813



HT Promast



HT Secours



HT Transport



HT Greentool



HT Electra



HT Easyclimb



HT 55 A CS



HT ladytrac

## Expert series

Generalist harnesses designed for daily use – EN361



HT56



HT55



HT120



HT46



HT45



HT45 with jacket



HT44

## Pro series

Designed for regular use – EN361



HT34



HT43



HT42



HT22



HT22 with jacket



## Essential series

Designed for occasional use - EN361



HT21



HT11

# Harness series

## Specialist series

**EN 358 / EN 361 / EN 813**

Harnesses dedicated to specialized activities, where comfort must be optimal: range dedicated to long-term use and which require a complementary fall arrest system such as work positioning, or work in suspension.

**NEW**



HT Access HT Secours HT Promast HT Transport HT Greentool HT Electra HT Easyclimb HT55 CS HT ladytrac

## Expert series

**EN 361**

Versatile, high-comfort harnesses for long-term work at height: quick fitting range, dedicated to long-term use and/or for seeking optimum comfort.



HT56 HT55 HT120 HT46 HT45 HT45 with jacket HT44

## Pro series

**EN 361**

Multi-purpose harnesses for regular, short-term work at height: range of easy-to-use harnesses that meet a minimum of comfort.



HT34 HT43 HT42 HT22 HT22 with jacket HT22 with jacket

## Essential series

**EN 361**

Harnesses designed for occasional, rare and short-term work at height.



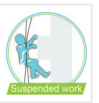
HT21 HT11

# Specialist series

NEW

## HT Access

EN 361 - EN 358 - EN 813



The HT Access is a versatile and comfortable safety harness. It is perfect for rope access, rescue or fall arrest applications. We designed the HT Access to be the day-to-day working tool for everyone working at height.

Working in comfort reduces fatigue and the HT Access has been designed to do just that. This has a positive impact on the efficiency of the work carried out.

### Comfort and Fit

The HT Access was designed to maximise the user comfort. The belt and Y-pad are made with high-density foam to reduce fatigue during long working operations. The fabric on the inner lining reduces perspiration. We have also added padding on the belt, back pad and the leg straps.

The innovative design of the shoulder straps allows free movement of the shoulders. The left shoulder strap includes an adjustable automatic buckle to allow for easy adjustment and removal of the harness. The shoulder straps connect to the belt with a double safety connector.

A well-fitting harness is both comfortable and safe. We have made sure all that all straps that need to be adjusted are fitted with easy-to-use buckles. Please find more information about making sure your harness fits well here. Putting the HT Access on is easy and quick. Traditional safety harnesses are put on like a jacket, but with this harness you put it on like a pair of trousers.

The HT Access is available in sizes S / M / XL / XXL

### Connection points

While working at height, users want clarity. The sternal and back fall arrest connection points are in grey and equipped with a fall indicator. The work positioning and the umbilical rope access connection points are in blue. All connection points are made from aluminium and have a 65 mm diameter to increase the safety and comfort.

The wide umbilical connection point can easily be used with multiple rope access accessories.

When the work positioning connection points are not required, they can be folded away.

The 4 semi-rigid loops on the belt can be used to connect tools.

### Online access to all important documents

Like all Tractel fall-protection equipment, the HT Access is connected to our Tracinfo platform. By scanning a QR Code on the harness, you can access all important documentation specific to your harness. Tracinfo can also be used to store details of periodic inspections and to set automatic reminders for future inspections.

A wide range of accessories can be combined with the HT Access harness. Please refer to the rope access equipment section.

Comfort	<div><div></div><div></div><div></div><div></div><div></div></div>
Frequency of use	<div><div></div><div></div><div></div><div></div><div></div></div>
Integrated options	<div><div></div><div></div><div></div><div></div><div></div></div>

	S	M	XL	XXL
HT Access	86512	86522	86532	87012



Semi-rigid loops on the belt



Shoulder adjustment and automatic buckle



Sternal connection point



Umbilical connection point

# Accessories for HT Access

## Work seat

For working in a seated position for a long period of time.  
The rigid sides avoid thigh compression.  
It is equipped with three tool holders.  
It can be installed by the user.  
This work seat is compatible with the HT Secours, HT Access, HT Promast and HT Transport.



Model	Product Code
Work seat	65762

## Sternal ascent rope clamp

This rope clamp completes the HT Access for rope access operation. Combined with the correct accessories, the user can do rope access activities using the Jumar technic.  
It can be easily installed on the harness by the user.  
Certified for user up to 100kg.  
This rope clamp is dedicated to the harness HT Access.



Model	Product Code
Sternal ascent rope clamp for HT Access	86552

## Ascender Grip

For ascent during rope access operation.  
Self-locking handle for ropes with a diameter between 8 to 12mm.



Model	Product Code
Ascent handled rope clamp	65742

## Ascent foot clamp

For ascent during rope access operation.  
Foot loop with adjustable strap.



Model	Product Code
Ascender foot-loop	40122

## LSF - jumar

Double webbing lanyard, 30 mm-wide strap made of polyester, without shock absorber.



The LSF Jumar lanyard is used for connecting rope access accessories such as an ascent handle and a foot loop to the ombilical attachment point on the harness.

Model	Product Code
LSF - Jumar	65772





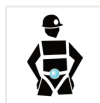
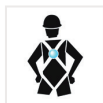




# Specialist series

## Harness HT Secours

EN361 - EN358 - EN813



This harness offers considerable freedom of movement for rope access work. Designed for working in suspension.

- 1 dorsal with a big forged D anchorage to eliminate the risk of carabiner disconnection.
- 1 sternal anchorage.
- 1 umbilical suspension point textile loop.
- 2 lateral belt-attachment points.
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Standard or Quick release buckles.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Fall indicator on each attachment point.
- High-comfort, mountaineering design leg straps (adjustable slider).



Suspended work



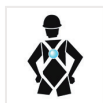
Comfort   
Frequency of use   
Integrated options

Made in France

	S	M	XL	XXL
HT Secours - Standard buckles	66132	66142	66152	-
HT Secours - Automatics buckles	65882	65892	65902	80812

## Harness HT Promast

EN361 - EN358 - EN813



Harness for rope access work. Designed for working in a suspended position for long periods of time.

- 1 dorsal anchorage with a big forged D to eliminate the risk of carabiner disconnection.
- 1 sternal anchorage textile loop.
- 1 umbilical suspension point textile loop.
- 2 lateral belt-attachment points.
- X-pad comfort backrest: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Quick-release buckles.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Fall indicator on each attachment point.
- High-comfort, mountaineering design leg straps



Suspended work



Comfort   
Frequency of use   
Integrated options

Made in France

	S	M	XL
HT Promast - Automatics buckles	65242	65252	65262
HT Promast - Automatics buckles with Elastrac™	65712	65722	65732

# Specialist series

## Harness HT Transport

EN361 - EN358 - EN813



Harness for working on pylons, ensuring easy climbing, staying in position on the job and designed for working in suspension.

- 1 dorsal with a big forged D anchorage to eliminate the risk of carabiner disconnection.
- 1 sternal anchorage textile loop.
- 1 umbilical suspension point textile loop.
- 2 lateral belt-attachment points.
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Quick-release buckles.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Fall indicator on each attachment point.
- High-comfort, mountaineering design leg straps (adjustable slider).



Comfort	<div><div></div></div>
Frequency of use	<div><div></div></div>
Integrated options	<div><div></div></div>

	S	M	XL	XXL
HT Transport - Boucles automatiques	65942	65952	65962	-
HT Transport - Boucles automatiques - Elastrac™	65972	65982	65992	80832

Made in France

## Work Seat

For working in a seated position for a long period of time.

The rigid sides avoid thigh compression.

It is equipped with three tool holders.

It can be installed by the user.

This work seat is compatible with the HT Secours, HT Access, HT Promast and HT Transport.

Model	Product Code
Work seat	65762

# Specialist series

## Harness HT Greentool

EN358, EN361, EN813



Arborist harness for tree surgeons, equipped with an ergonomic work seat.

- 1 dorsal with a big forged D anchorage to eliminate the risk of carabiner disconnection.
- 1 sternal anchorage textile loop.
- 1 umbilical suspension point textile loop.
- 2 lateral belt-attachment points.
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Quick-release buckles.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Fall indicator on each attachment point.
- High-comfort, mountaineering design leg straps (adjustable slider).



Made in France

## Harness HT Electra

EN361 - EN358



Harness designed for working in the utilities industry. The HT Electra belt rotates inside the harness to allow for freedom of rotation when working on pylons.

- 1 dorsal with a big forged D anchorage to eliminate the risk of carabiner disconnection.
- 1 sternal anchorage textile loop.
- 2 lateral belt-attachment points.
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Quick-release buckles.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Fall indicator on each attachment point.
- High-comfort, mountaineering design leg straps (adjustable slider).



Made in France

	S	M	XL	XXL
HT Greentool - Automatic buckles	66002	66012	66022	-
HT Greentool - Automatic buckles with Elastrac™	66032	66042	66052	80772

	S	M	XL	XXL
HT Electra - Automatic buckles	65272	65282	65292	76012
HT Electra - Automatic buckles with Elastrac™	65912	65922	65932	80722

# Specialist series



Comfort	<div><div></div><div></div><div></div><div></div><div></div></div>
Frequency of use	<div><div></div><div></div><div></div><div></div><div></div></div>
Integrated options	<div><div></div><div></div><div></div><div></div><div></div></div>

## Harness HT Easyclimb

EN361 - EN358



Harness designed for climbing up and down ladders equipped with EN 353-1 fall arrester, rails or wire rope. Its unique sternal attachment point (Tractel patent), situated on the belt, makes ladder movement easy.

- 1 dorsal with a big forged D anchorage to eliminate the risk of carabiner disconnection.
- 2 thoracic forged D anchorages.
- 1 attachment point umbilical forged D (anti roll-back).
- 2 lateral belt-attachment points.
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Quick-release buckles.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Fall indicator on each attachment point.
- High-comfort, mountaineering design leg straps (adjustable slider).

	S	M	XL	XXL
HT Easyclimb - Automatic buckles	66482	66492	66502	-
HT Easyclimb - Automatic buckles with Elastrac™	66452	66462	66472	80712

Made in France

Harness HT55 Confined Space

EN 361



The HT55 harness can be used for confined space. It is particularly suited for use with a respiratory system which slides easily onto the belt. Enhanced comfort is ensured by the back XPad, the mountaineering-type thigh straps, and the linkage between the shoulder straps and thigh straps by connecting buckles. The harness is very easy to slip on as it opens fully at the front with the X-Pad preserving the harness form.

- Universal and very comfortable harness, automatic with extra comfort for long periods of work
- 1 dorsal with a big forged D anchorage to eliminate the risk of carabiner disconnection
- 1 sternal anchorage
- 1 special belt for respiratory system
- 1 comfort sub-pelvic strap
- Sliders for strap adjustment. Cannot be removed for security reasons
- 3 adjustment points
- Independent mountain leg strap High-comfort
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Fall indicator in each anchorage
- Label holder

	S	M	XL
HT55 AE - Espace Confiné	83902	83912	83922

Made in France





# Ladytrac harness

A harness designed for women, a Tractel patented design.



## EN361



At last, a harness designed for women:

- IPAF Innovation Award (International Powered Access Federation), Bauma 2010
- 1st Prize for Innovation, Exoprotection

A design adapted to the female form:

- The position of the straps are adapted to a woman's shape
- No friction on the upper body caused by the positioning of the straps
- The jacket fits the user's shape
- Comfort dedicated to women: light belt with elastic canvas

Increased safety in case of a fall:

- Much lower risks of lesions to the breast caused by contact with the straps in the advent of a fall
- The ladytrac patented concept ensures an ideal position of the straps on a woman's body
- Universal and very comfortable harness
- 1 dorsal forged D anchorage
- 3 Adjustment points
- Comfortable elastic jacket

In addition, the Ladytrac B version has:

- 2 belt attachment points (lateral)
- 4 Adjustment points

	M	XL
HT ladytrac™ - Automatic Buckles	55882	55892
HT ladytrac™ B version - Automatic Buckles	55282	55292

Made in France

## Harnesses HT56 and HT55

These harnesses are designed for a wide range of applications.

Enhanced comfort is ensured by the back X-Pad, the mountaineering-type thigh straps and the linkage between the shoulder straps and thigh straps by connecting buckles.

The harnesses are very easy to put on as it opens fully at the front with the X-Pad preserving the harness form.

- Universal and very comfortable harness automatic with big comfort for a long work.
- 1 dorsal with a big Forged D anchorage to eliminate the risk of carabiner disconnection & 1 sternal anchorage.
- 2 thoracic anchorage forged D for the HT56.
- 1 comfort subpelviene strap / 3 adjustment points.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Independent mountain leg strap High-comfort.
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Fall indicator on each anchorage.
- Label holder: ideal to customise the harness with a name, logo, information, etc..

## Harness HT56

EN361

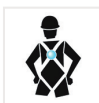


	S	M	XL	XXL
HT56 - Standards Buckles	65302	65312	65322	-
HT56 A - Automatics	65332	65342	65352	80682
HT56 A - Automatics - Elastrac™	65682	65692	65702	80692



## Harness HT55

EN361



	S	M	XL	XXL
HT55 - Standards Buckles	65592	65602	65612	-
HT55 A - Automatics	65622	65632	65642	80632
HT55 A - Automatics - Elastrac™	65652	65662	65672	-

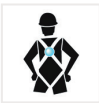




Comfort	<div><div></div><div></div><div></div></div>
Frequency of use	<div><div></div><div></div><div></div></div>
Integrated options	<div><div></div><div></div><div></div></div>

## Harness HT120

EN361



Harness designed for movement (up or down) on structures equipped with an EN 353.1 rail or cable fall arrester device equipped with an approved fall arrest umbilical anti-fallback system attachment point.

The HT120 harness is equipped with an approved fall arrest umbilical attachment point. This attachment point, while being fall arrest approved, provides comfortable support going up or down. HT 120 is the only harness on the market that offers this type of attachment point.

The HT120 harness is particularly adapted for climbing on ladders equipped with a rail-mounted FABA type fall arrester, whether or not including a tractelift climbing aid system.

It's patented design prevents the user from falling backwards in the event of a fall, eliminating the risk of serious back injuries

- 1 dorsal attachment point.
- 2 thoracic attachment points.
- 1 umbilical attachment point.

	S	M	XL
HT120 - Standard buckles	61702	61712	61722

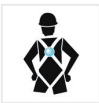
Made in France



Comfort	<div><div></div><div></div><div></div></div>
Frequency of use	<div><div></div><div></div><div></div></div>
Integrated options	<div><div></div><div></div><div></div></div>

## Harness HT46

EN361



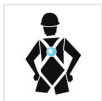
- Comfortable for long periods of work
- 1 dorsal "Forged D clip", 1 sternal and 2 thoracic ones
- 5 adjustment points.
- 1 sub-pelvic strap
- Sliders for strap adjustment. Cannot be removed for security reasons.
- High comfort independent mountain leg strap
- Label holder.

	S	M	XL	XXL
HT46 - Standard buckles	55042	55052	55062	-
HT46 A - Automatics	52972	52982	52992	80552
HT46A - Automatics - Elastrac™	54952	54962	54972	-

# Expert series

## Harness HT45

EN361



- Comfortable for long periods of work
- 1 dorsal "Forged D clip", 1 sternal anchorage
- 5 adjustment points.
- 1 sub-pelvic strap.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Label holder.

	S	M	XL	XXL
HT45 - Standard buckles	55012	55022	55032	75532
HT45 A - Automatics	53072	53082	53092	-
HT45 AE - Automatics - Elastrac	54922	54932	54942	-



Comfort

Frequency of use

Integrated options

## Harness HT45 with jacket

EN361



	M	XL
HT45 with orange jacket - Standard buckles	83822	83832

	M	XL
HT45 with yellow jacket - Standard buckles	83802	83812



Comfort

Frequency of use

Integrated options

## Harness HT44

EN361



- Comfortable for long periods of work
- 1 dorsal "Forged D clip" and 2 thoracic ones.
- 5 adjustment points.
- 1 sub-pelvic strap.
- High comfort independent mountain leg strap
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Label holder.

	S	M	XL
HT44 - Standard Buckles	44102	44112	44122



Comfort

Frequency of use

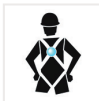
Integrated options

# Pro series



## Harness HT34

EN361 - EN358



- Universal harness with belt.
- 1 dorsal forged D anchorage.
- 1 sternal anchorage.
- 2 thoracic anchorage.
- 2 lateral hitch D rings.
- 6 adjustment points.
- 1 sub-pelvic strap.

	S	M	XL
HT34 - Standard buckles	35352	35362	35372



## Harness HT43

EN361



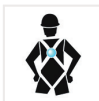
- 1 dorsal forged D anchorage.
- 1 sternal textile loop anchorage.
- 2 thoracic anchorage.
- 5 adjustment points.
- 1 sub-pelvic strap.

	S	M	XL
HT43 - Standard buckles	33302	33292	33312
HT43 A - Automatic buckles	33332	33322	33342



## Harness HT42

EN361



- 1 dorsal forged D anchorage.
- 2 thoracic anchorage.
- 5 adjustment points.
- 1 sub-pelvic strap.

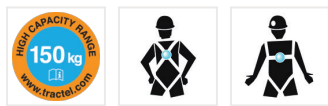
	S	M	XL
HT42 - Standard buckles	31622	10042	31082



# Pro series

## Harness HT22 with X-pad comfort back pad

EN361



- 1 dorsal forged D anchorage.
- 1 sternal textile loop anchorage.
- 5 adjustment points.
- 1 sub-pelvic strap.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.

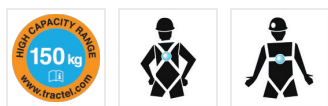
	M	XL	XXL
HT22 - Standard buckles - X-Pad	69272	69292	80322



Comfort	<div><div></div><div></div><div></div></div>
Frequency of use	<div><div></div><div></div><div></div></div>
Integrated options	<div><div></div><div></div><div></div></div>

## Harness HT22

EN361



- 1 dorsal forged D anchorage.
- 1 sternal textile loop anchorage.
- 5 adjustment points.
- 1 sub-pelvic strap.
- Sliders for strap adjustment. Cannot be removed for security reasons.

	S	M	XL	XXL
HT22 - Standard buckles	31592	14002	28502	79412
HT22 A - Automatic buckles	31832	31822	31842	-

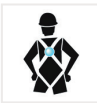


Comfort	<div><div></div><div></div><div></div></div>
Frequency of use	<div><div></div><div></div><div></div></div>
Integrated options	<div><div></div><div></div><div></div></div>



Harness HT22 with jacket

EN361



- 1 dorsal forged D anchorage.
- 1 sternal textile loop anchorage.
- 5 adjustment points.
- 1 subpelviene strap.
- Sliders for strap adjustment. Cannot be removed for security reasons.
- Orange/ yellow jacket : comfortable lightweight high-visibility vest - **Already installed on the harness.**

	M	XL
HT22 with orange jacket - Standard Buckles	83782	83792

	M	XL
HT22 with yellow jacket - Standard Buckles	83762	83772

Comfort

Frequency of use

Integrated options



# Pro series

## Harness HT22R

EN361 - EN1497

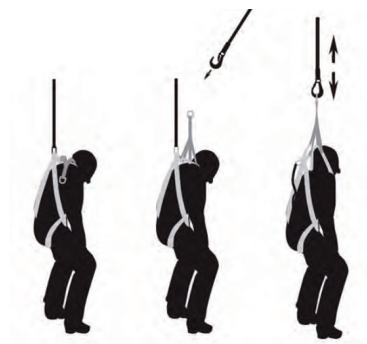


Universal harness with standard buckles and rescue straps.

The HT22R is a harness specifically designed to rescue an operator working in a confined space. It is equipped with an emergency strap attached to the shoulder straps. This strap allows the operator to be raised in a perfect vertical position which facilitates the exit of the body through the manhole.

- 1 dorsal anchor point.
- 1 sternal anchorage point in textile loop.
- 1 sub-pelvic strap.
- 5 adjustment loops.

	S	M	XL
HT22R - Standard buckles	44952	44962	44972



Comfort	<div><div></div><div></div><div></div><div></div><div></div></div>
Frequency of use	<div><div></div><div></div><div></div><div></div><div></div></div>
Integrated options	<div><div></div><div></div><div></div><div></div><div></div></div>

## HT9 Evacuation triangle

EN1497

Special harness for evacuation operations, easy to install, even with a person lying on the ground.

Due to its 3 adjustment settings, the HT9 can be used with both children and adults.

- EN 1497.

Model	Product Code
HT9 Evacuation Harness	17622



# Essential series



Comfort

Frequency of use

Integrated options

## Harness HT21

EN361



- 1 dorsal forged D anchorage.
- 1 sternal textile loop anchorage.
- 3 adjustment points.
- 1 sub-pelvic strap.

	S	M	XL
HT21 - Standard Buckles	31582	10012	29722



Comfort

Frequency of use

Integrated options

## Harness HT11

EN361



- 1 dorsal forged D anchorage.
- 3 adjustment points.
- 1 sub-pelvic strap.

	S	M	XL
HT11 - Standard Buckles	31192	10002	31182



# How to correctly put on a harness

1

Hold the harness up by the rear "D" ring and check for any twists or tangles.



2

Put both of your arms through the shoulder straps.



3

Connect the front buckle and tighten.



4

Connect the leg straps and tighten.



5

Adjust the straps. The harness should be snug but not overly tight.



6

The harness is now fitted correctly. The rear "D" ring should be between the shoulder blades and the sub pelvic strap should be positioned under the buttocks. If in doubt ask a colleague to check your harness.



Scan this QR code to visit our website ([tractel.com](http://tractel.com)) and view the video that shows you how to properly put on and adjust your harness.



Taking two minutes to view this video can mean the difference between safety and injury in the event of a fall.



# Safety belts

CE restraint belts feature side attachment points for a support lanyard and are equipped with three tool bag buckles. The size is easily and quickly adjusted by a single set of loops. The belt is held in place with plastic loops. They can be combined with any harness from our range, using belt loops, making a fully integrated belt-harness solution.



Made in France

## Safety Belt CE06

### EN358

- Two wide easy access forged steel fastening buckles of 60mm.
- Large comfortable foam backpad.

Model	Size (Apparel)	Product Code
Safety Belt CE06 - Standard Buckles	S	80242
Safety Belt CE06 - Standard Buckles	M	80252
Safety Belt CE06 - Standard Buckles	XL	80262
Safety Belt CE06 - Quick-release buckles - Size S	S	80272
Safety Belt CE06 - Quick-release buckles - Size M	M	80282
Safety Belt CE06 - Quick-release buckles - Size XL	XL	80292



Made in France

## Safety Belt CE01

### EN358

- Belt fits all harnesses with 2 pressed D ring of 45mm.

Model	Size (Apparel)	Product Code
Safety Belt CE01 - Standard Buckles	S	32882
Safety Belt CE01 - Standard Buckles	M	10052
Safety Belt CE01 - Standard Buckles	XL	10062
Safety Belt CE01 - Quick-release buckles	S	33202
Safety Belt CE01 - Quick-release buckles	M	33212
Safety Belt CE01 - Quick-release buckles	XL	33222

# Options

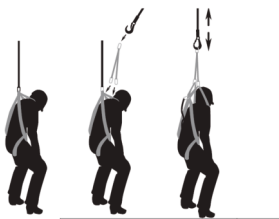
## Rescue lanyard option R

Rescue lanyard with 3 connectors M10 to evacuate a casualty.  
This 60 cm long webbing extension fits all Tractel® harnesses.  
It is fixed directly onto the shoulder straps of the harness via two M10 connectors.  
The rescue system is fixed onto the other end using a connector.

Model	Product Code
Option R	83892



Made in France



## Option RL

### EN354

45mm webbing anchorage extender that attaches to the back D-ring of a fall arrest harness.  
The extender is equipped with a plastic loop that allows the soft strand of the webbing to be positioned on one of the harness back straps when the extender is not in use.

#### Dimensions (mm)

- Webbing width 45 mm
- Total length: 260 mm
- 2 sewn loops
- Max. working load: 150 kg

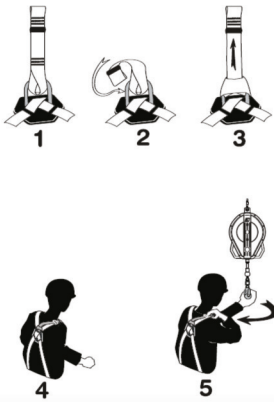
#### Material

- Webbing: polyester

Model	Product Code
Option RL	32872



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## Padded Shoulder Straps

- Extra comfort accessories.
- Kit of 2 padded shoulder straps.
- Can be fitted to any harness without an X-pad.

Model	Product Code
Padded Shoulder Pads	10112



# Accessories



## Comfort strap

The comfort strap is a portable, lightweight accessory that fits onto any harness and can be deployed in the event of a fall. The comfort strap has a foot loop for the user to stand in while suspended. It allows the user to stand up straight, relieving any pressure on the legs.

Suspension syncope can occur when the user is left suspended in a hanging position following a fall. During this time the harness can cut into the thighs, restricting blood flow, which can cause a series of complications including fainting and even death.

### Specification

- Hardwearing zipped pouch, 80 mm diameter, 40 mm thick.
- Strap made from polyamide strap and zinc plated steel.
- Adjustment buckle.
- Easily adjustable up to 1.2 m to suit the height of the user.
- Weight: 100 g.
- User manual included within the pouch.
- Quick and easy to attach to the harness.
- Suitable for use with any Tractel® harness.

### Easy to Use

Step 1 - Unzip the pouch and deploy the leg loop.

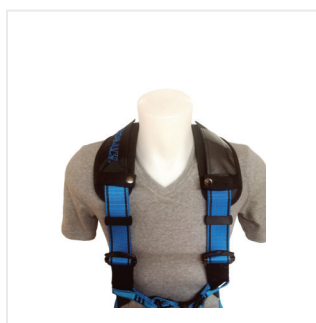
Step 2 - Place both feet in the foot loop.

Step 3 - Adjust the strap as required.

Step 4 - Stand up straight to relieve pressure on the legs.

Model	Product Code
Comfort Strap	66182

**NEW**



## X-Pad

### Removable X-Pad for Tractel harnesses

The X-Pad can be installed on all Tractel existing harnesses (except the HT Ladytrac and HT Access), including those with the Elastrac option, by the users themselves.

On the left shoulder strap, the X-Pad is equipped with a label holder designed to receive a traceability card dedicated to the user.

Following customers' feedback regarding the comfort around the neck, the 2 straps around the neck have now a wide opening.

Gives rigidity to hold the harness into a good shape for an easy put on.

The X-Pad is individually available.

The X-Pad is equipping our Specialties harness series and harness HT55 and HT56.

Model		Product Code
X-Pad	N	86612

# Accessories

## High-visibility vest

### EN471 - EC/ISO standard 20471, class 2

Comfortable lightweight high-visibility vest specifically developed for use with TRACTEL® harnesses without belt.

Reflective vests provide double security in those situations where there may not be enough light to be seen by others and by night. It makes the wearer visible at all times and in all weathers thanks to the retroreflective warning strips.

- Fluorescent outer fabric of polycotton (80% polyester / 20% cotton): resistant to all kinds of grease and dirt.
- Black honeycomb-structure lining, 100% polyester: reduces transpiration for the wearer's comfort.
- Two double pockets on the front of the vest , each with a flap that can be closed with press studs.
- Grey 50 mm-wide retro-reflective strip.
- Light weight: 660g.
- Easy to position the harness within the vest. Fast, simple and safe donning : once the harness has been set up in the vest, the user can easily slip on the garment with the harness fitted in.
- One size only : the sides can be let in or out thanks to clever inlays connected by an elastic cord, adjustable using a clip.
- Can be washed in a standard washing machine at 60°C.

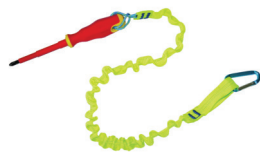
Model	Product Code
High-visibility vest - Orange	75672
High-visibility vest - Yellow	75662





# Tool holding accessories

Tractel tool holders are compatible with a vast majority of standard tools, weighing up to 5 kg. When a tool holder is utilised, it eliminates the risk of a serious accident caused by falling tools. This line of accessories does not inhibit a person's ability to fully utilise the required tools and ensures complete safety by eliminating the risk of objects falling from height.



ETL



ETLS



TL

Model	Product Code
ETL	74782
ETLS	74812
TL	74842
TLS	74872
TWB	74902
OAS	75572



TWB



OAS

## Tool holding bag

Designed to be attached to Tractel harness belts. It's thoughtfully designed to enable the user to safely carry the tools and small components required when working at height.

- A main, open compartment measuring 220mm wide x 70mm deep x 350mm high. The base of the pouch is leather-reinforced to prevent it from being cut or pierced by sharp tools.
- A Velcro-closable pocket measuring 220mm wide x 20mm deep x 180mm high.
- Two front pockets measuring 110mm wide x 20mm deep x 180mm high



Model	Product Code
Tool holding bag	75582



# Helmets

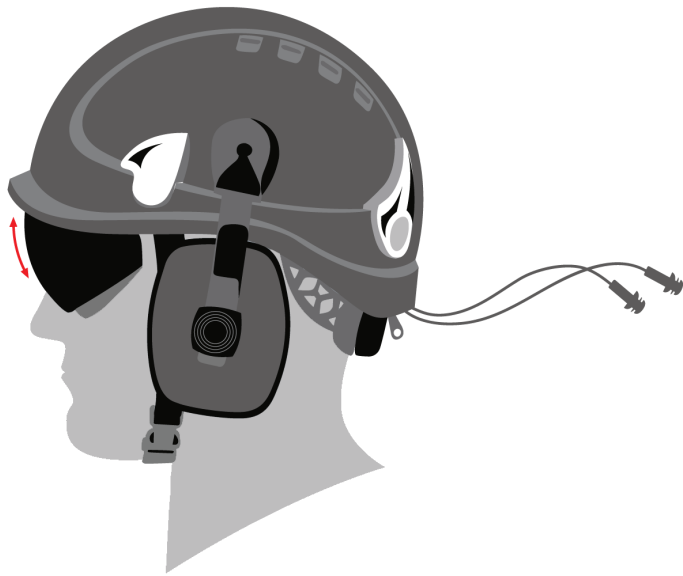
## TR2000 helmet with 4 point chinstrap

**EN397 - EN50365**

Tractel's TR2000 helmet offers numerous advantages:

- Shell in polycarbonate for optimal protection from impacts and compression
- Short visor for easier upwards vision
- Available in 3 colours: blue, white and red
- Lightweight: 375 g
- Fast knurled wheel adjustment to head size 45 to 62 cm
- Fabric straps for ideal comfort
- Towelling all round sweatband
- Usage temperature -30°C to +40°C
- Service life: 5 years from the date of production
- Numerous accessories

Model	Product Code
Helmet - blue colour	60252
Helmet - red colour	60432
Helmet - white colour	60442



## TR2000 helmet accessories

Model	Product Code
integrated visor, clear	60272
Integrated visor, tinted	60262
in-ear defender	60292
mounted ear defenders	60282
head torch clip	60302



# Helmets



## High visibility helmet

The high visibility safety helmet offers a high level of comfort. This model allows users to be visible day and night.

Complies with standards EN 397, EN 50365 and EN12899-1, for conventional use and low voltage electrical use.

The high visibility helmet combines advanced industrial safety standards with a modern design, specially designed to work at height with a reduced visor to maximize the visibility of the user.

**Characteristics :**

- Quick and precise adjustment: Adjustment by dial integrated in the suspension, from 52 to 64 cm.
- Lightweight: 420 g, allows prolonged use and better comfort.
- High resistance: Can be used down to -40 ° C.
- Fully removable and adjustable 4-point chinstrap: allows the helmet to be used for work at height or on the ground.
- Micro ventilation: allows ventilation of the head and dissipates heat.

Model	Product Code
Secure Plus helmet - High visibility - Yellow	47802
Secure Plus helmet - High visibility - Orange	47552
Secure Plus helmet	49162



## Helmet

Model	Product Code
Secure Plus helmet	47662

Model	Product Code
mounted ear defenders	47272
Integrated visor, clear	47502
Integrated visor, tinted	47512
LED headlamp	47632
Protective visor - clear	47652

# Bags

Model	Description	Product Code
Cloth pocket bag	Zip fastening / Size : 400 x 290 x 20 mm	11942
Cloth shoulder bag	Zip fastening / Size : 430 x 310 x 150 mm	10542
Backpack	Zip fastening / Size : 420 x 260 x 120 mm	67392
Combipro 20L	Waterproof canvas carrying bag Zip fastening / Size : 360 X 320 mm	50992
Combipro 30L	Waterproof canvas carrying bag Zip fastening / Size : 570 X 410 mm	20812
Combipro 60L	Waterproof canvas carrying bag Zip fastening / Size : 680 X 510 mm	20822
derope™ drop bag	Backpack / Size: 430 x 310 x 150 mm	67422
tracpode canvas bag	Zip fastening / Size : 1900 x 290 x 290 mm	31572
Door anchor bag	Zip fastening / Size : 1550 x 270 x 270 mm	68752



**Cloth pocket bag**



**Cloth shoulder bag**



**Backpack**



**combipro 20l**



**combipro 30l**



**combipro 60l**



**derope bag**



**tracpode bag**



**Door anchor bag**

# How to choose your fall arrest device

## Selecting the right fall arrest device



### Self-retracting fall arrest: blocfor range

These fall arrest devices are particularly well suited to all types of work involving vertical and horizontal movement. They facilitate the operator's horizontal movement over surfaces covered with obstacles such as flat roofs or industrial sites.

Conform to standard EN 360 and to European data sheets PPE-R/11.060 (for horizontal use) & PPE-R/11.062 (for use above 100 kg).

### Guided-type fall arrest on an anchor line: stopfor range

These fall arrest devices are recommended for work involving vertical movements. Some of them have also been tested for horizontal movements, which require manual assistance.

Conform to standard EN 353-2 and to European data sheets PPE-R/11.060 (for horizontal use) & PPE-R/11.062 (for use above 100 kg).

### Shock-absorbing fall arrest: shock-absorbing lanyard range

These fall arrest devices are suited to tasks where the operator must be connected to the ground or for work where there is limited freedom of movement.

Conform to European data sheets PPE-R/11.060 (for horizontal use) & PPE-R/11.062 (for use above 100 kg).

#### WORK APPLICATIONS

- Working on scaffolding, in cradles, etc.
- Working on flat roofs.
- Maintenance work.

#### WORK APPLICATIONS

- Working on ladders.
- Working on roofs.
- Cleaning windows.
- Rope access work.

#### WORK APPLICATIONS

- Working on roofs.

## Applicable standards

### • EN 360 : (Blocfor range)

An automatic fall arrest device is a device equipped with a lanyard (cable or strap) kept constantly in tension. It allows for the movement of users without manual intervention. The system automatically locks when there is an acceleration of the lanyard and immobilizes the user in case of a fall. These fall arrest devices exist in different lengths and different materials are used for the lanyard.

### • EN 353-2: (Stopfor range)

A fall arrest device on a flexible belay is a device that moves freely during ascent and descent and automatically hangs on the stand in case of a fall. The belaying support may be stranded rope or braided rope. These flexible supports must be weighted with a counterweight.

### • EN 355: (shock absorber lanyard range)

An energy absorbing fall arrester makes it possible to arrest a fall in a short distance (max 2m). Its design ensures total safety for a drop coefficient of 2 that can generate trauma to the user. In case of a fall the absorber will tear reducing the force of the impact.

Each fall arrest described above, in the event of a fall,  
will ensure that the user will not be subjected to an impact of more than 600 daN.







# Blocfor fall arrest devices

Tractel offers a wide range of Blocfor, self-retracting fall arrest device, from ranging from 1.8 m to 30 m with different material for the rope.

The versions up to 6 m included are equipped with a strap. The versions from 10 m to 30 m can be delivered with a galvanised steel, stainless steel or synthetic rope depending the application.

Tractel also offers Blocfor combined with rescue device. Only 2 versions are existing with the rescue combination, the Blocfor 20 and 30. These versions are designed to provided a simple and quick rescue solution. In the event of fall with a Blocfor rescue, the integrated rescue winch can be activated easily, the person can be rescued within minutes.

The choice of rope type for the versions between 10 m and 30 m depends on the application.

- The galvanised steel rope is an allrounder and can be used on most common application
- The stainless steel rope version should be preferred in food, humid or chemical environments
- The synthetic rope version should be preferred in anti-static and electrical environments as the rope is non-conductive.

On some of the Blocfor, the additional edge test specified in the PPE-R/11.060 are performed to ensure these Blocfor can be used on flat roof.

The Blocfor 1.8 EVO ESD is designed to withstand a fall with a fall factor 2. The certification tests are described in the PPE-R/11.085.

Most of our Blocfor are rated 150 kg, and to ensure their conformity, they are tested according to the PPE-R/11.062 which defines the tests for fall arrest device with a capacity higher than 100 kg.



*\* except stainless steel version*



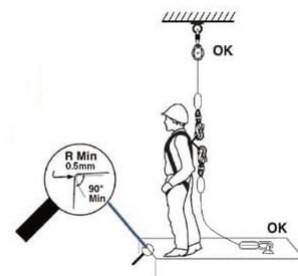
# Blocfor 1.8 ESD

## Fall arrest devices

Automatic fall arrester with strap 1.80 m for vertical or horizontal use.

For the user, the Blocfor 1.8A & 1.8B ESD has many advantages:

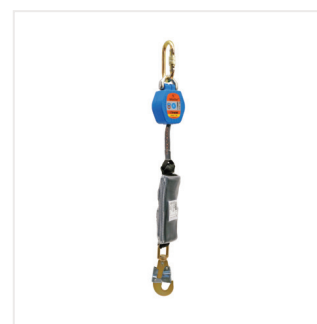
- Lightweight and compact, which makes it easy to carry and use.
- Aramid strap : Width of 15 mm, length of 1.45 m.
- Plastic housing, anti-UV, very resistant to shocks and ageing.
- Easy to install on different types of anchors thanks to several connectors (M10, M51 or M53).
- Easy to connect to the harness thanks to the M47 trunnion connector.
- Flexible unwinding system eliminates sticking or stopping during use.
- Presence of a swivel at the end of the strap allows for easy winding, the strap is free of any twists.
- In the event of a fall, the device triggers in less than 100 mm, reducing the distance of a fall.
- Shock-absorption system ESD is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.



## Blocfor 1.8A ESD 150kg

**EN 360, PPE-R/11.060, PPE-R/11.062**

Model	Description	Weight (kg)	Product Code
Blocfor 1.8A ESD M10 M47	1.8 m – webbing – M10 and M47 connector	1.36	70592
Blocfor 1.8A ESD M11 M47	1.8 m – webbing – M11 and M47 connector	1.36	75482
Blocfor 1.8A ESD M51 M47	1.8 m – webbing – M51 and M47 connector	1.63	70602
Blocfor 1.8A ESD M53 M47	1.8 m – webbing – M53 and M47 connector	1.69	70612
Blocfor 1.8A ESD M24 M47	1.8 m – webbing – M24 and M47 connector	1,41	86192



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## Blocfor 1.8B ESD 150kg

**EN 360, PPE-R/11.060, PPE-R/11.062**

Unlike blocfor™ 1.8A ESD, the shock-absorption system ESD of the blocfor™ 1.8B ESD is positioned on the side of the attachment point of the harness, between the blocfor™ and the fall arrest point on the user's harness. The strap (fitted with an M51 connector) is connected to the anchor point of the blocfor™ on the structure.

Model	Description	Weight (kg)	Product Code
Blocfor 1.8B ESD 150kg M51 M47	1.8 m – webbing – M51 and M47 connector	1.63	72462



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# Blocfor 1.8 EVO ESD

## Fall arrest devices

To minimise the impact on a user in case of a fall, an anchor point above their head is ideal. This means the fall arrest device used comes into action immediately and therefore reduces significantly the impact energy that needs to be absorbed.

However, such an anchoring point is not always possible and often the only place to anchor is at or even below the level of the feet of the user as well as close to the edge where you can fall. This means that in case of a fall the user can fall the length of the lanyard before the fall arrest device activates, therefore generating much higher energy levels that need to be absorbed so they cannot harm the user.

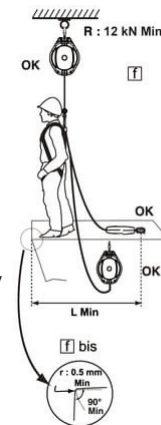
This situation is often described as Fall Factor 2 and many fall arrest blocks explicitly forbid this kind of use in the user manual.

Tractel has now developed the Blocfor 1.8 Evo to work specifically in this situation.

Fall arrest device with ESD technology, suitable for vertical or horizontal use. 1.8 meter webbing.

High Capacity Range 150 kg. Complies with CNB/P/11.062.

- Complies with EN 360 and CNB/P/11.060 standards for use on edges with a minimal 0.5 mm curve radius
- Can be used vertically or with a standard deviation of 20° in relation to vertical
- Can be used horizontally without the use of a lanyard between the end of the strap and harness
- **Can be used in FALL FACTOR 2**
- Flexible unwinding system which doesn't jerk during operator movement
- Responsive system which locks automatically in the event of a fall, reducing the total drop height
- Includes Energy System Dissipater (ESD) technology which enables the device to arrest a fall even when the webbing is fully unwound
- Integrated fall indicator
- Length 1.8 metres, webbing version
- Lightweight
- ABS fibre reinforced polyamide housing
- Standard M47 swivel connector at end of shock absorber



**NEW**

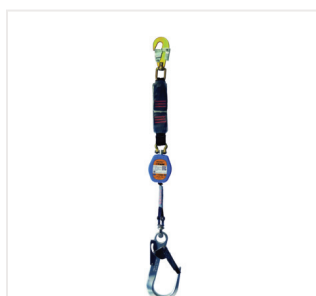
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## Blocfor 1.8A EVO ESD 150KG

EN 360, CNB/P/11.060, CNB/P/11.062, CNB/P/11.085

Model	Weight (kg)	Product Code
Blocfor 1.8A EVO ESD M10 M47	1,41	84052
Blocfor 1.8A EVO ESD M24 M47	1,41	86082
Blocfor 1.8A EVO ESD M53 M47	1,72	84062
Blocfor 1.8A EVO ESD M51 M47	1,72	84072
Blocfor 1.8A EVO ESD M23 M47 - DIN	1.69	84092



## Blocfor 1.8B EVO ESD 150KG

EN 360, CNB/P/11.060, CNB/P/11.062, CNB/P/11.085

Model	Weight (kg)	Product Code
Blocfor 1.8B EVO ESD M51 - M47	1.55	84082
Blocfor 1.8B EVO ESD 150KG		86292

# Blocfor 1.8 DUO EVO ESD

Fall arrest devices

## Double SRL for scaffolding fall protection

Depending on your activity, you can be in situations where you have to regularly change to another anchorage point. Due to the fact you are probably in an area where you have a falling hazard you have to be connected constantly.

So we developed a double blocfor, the blocfor 1.8 duo evo ESD. With this new product, you can be connected with 1 hook to the structure and if you have to pass an obstacle or change to another anchorage point you attach the second hook to the structure. When the second hook is connected you can remove the first hook. If you work like this you will be always secured.

The Blocfor 1.8 duo evo ESD, self-retracting fall arrester is equipped with the new ESD system (Extremity System Dissipator). The ESD system ensures the user an impact of less than 600 daN, even if he falls when the lanyard is fully unrolled. The ESD system reduces the violence of the impact on the user's body in the event of a fall.

Can be used for maintenance operations in gondolas, on scaffolding, climbing in masts and pylons.

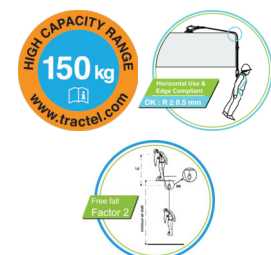
- Suitable for horizontal use with edges with a minimum radius of 0.5mm.
- Can be used in fall factor 2: possibility to work above the equipment anchorage point.
- Unit equipped with an M47 connector and an M51 connector. M51 is a connector with big opening, made in aluminium: universal and light.
- Reduced space requirement.
- Very low weight.
- Good ergonomics that ensures a perfect grip.
- One end is equipped with the Tractel ESD system.

This product comes equipped with [Tracinfo](#), an online service that simplifies the way you access product documentation. With [Tracinfo](#), you can get instant access to manuals, certificates, and more with just a few clicks.

Model	Weight (kg)	Product Code
Blocfor 1.8B DUO ESD 150KG M47-M51	2.66	84762
Blocfor 1.8B DUO ESD 150KG M47-M54		86992

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**NEW**



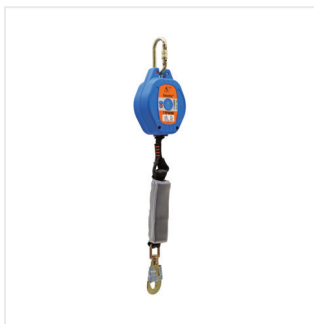
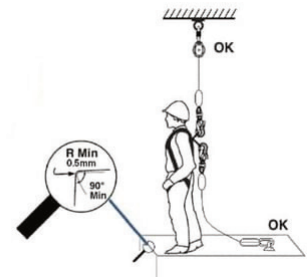
# Blocfor 5 & 6 ESD

Fall arrest devices

Automatic fall arrester for **vertical and horizontal use**.

For the user, the blocfor™ 5/6 ESD has many advantages:

- Plastic housing made of a polyamide/ABS blend : very resistant to shocks and to UV.
- Aramid strap : Width of 25 mm. - length of 5 m (Blocfor 5 ESD). or 6 m (Blocfor 6 ESD).
- Simplified mechanism to optimize maintenance.
- Shock-absorption system ESD is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- Ergonomically shaped: easy to transport and to install.



## EN 360, CNB/P/11.060, CNB/P/11.062

Model	Description	Weight (kg)	Product Code
Blocfor 5 ESD M10 M47	5 m – webbing – M10 and M47 connector	2.86	70652
Blocfor 6 ESD M10 M47	6 m – webbing – M10 and M47 connector	2.76	70662
Blocfor 6 ESD M11 - M47	6 m – webbing – M11 and M47 connector	2.76	74672
Blocfor 6 ESD M24 M47	6 m – webbing – M24 and M47 connector	2.76	86202



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# Blocfor 10 ESD

## Fall arrest devices

Automatic fall arrester with rope (galvanised or synthetic) for vertical or horizontal use.

### For the user, the Blocfor 10 ESD has many advantages:

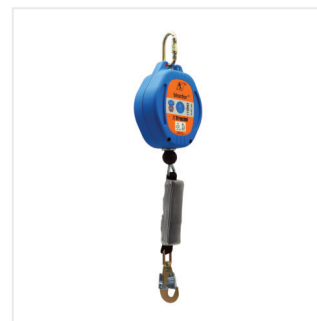
- Plastic housing made of a polyamide/ ABS blend : very resistant to shocks and and to UV.
- Galvanised rope (Blocfor 10 ESD G) / Synthetic rope (Blocfor 10 ESD SR)
- Simplified mechanism to optimize maintenance.
- Shock-absorption system ESD is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- Ergonomically shaped.

## Blocfor 10 ESD 150kg

EN 360, CNB/P/11.062, CNB/P/11.060

Model	Description	Weight (kg)	Product Code
Blocfor 10 ESD G M10-M47	Galvanised rope	5.52	70572
Blocfor 10 ESD G M24-M47	Galvanised rope	5.52	86092
Blocfor ESD SR M10-M47	Synthetic rope	4.50	74372

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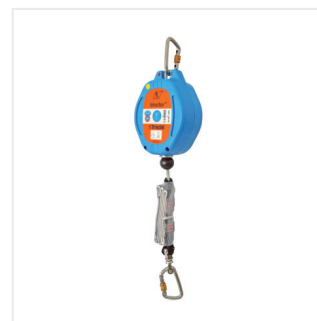


## Blocfor 10 ESD I 150kg

EN 360, CNB/P/11.062

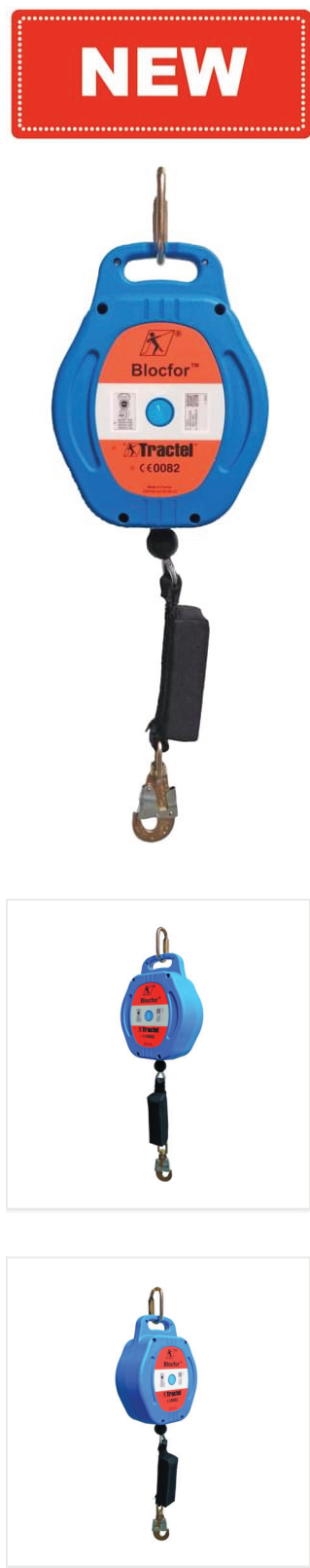
Model	Weight (kg)	Product Code
Blocfor 10 I ESD 150kg M10I M10I	4,86	79002

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# Blocfor 20 EVO ESD 150kg

EN 360, PPE-R/11.060, PPE-R/11.062



## Self-retracting fall arrest device

The **Blocfor 20 EVO ESD** is:

- A self-retracting fall arrest device
- With guaranteed 20 meters of wire rope made in:
  - Galvanised steel,
  - Stainless steel,
  - Or synthetic rope.
- Equipped with our ESD (Extremity System Dissipator) absorption system.
- Suitable for user with a weight up to 150kg
- That works in both vertical and horizontal (edge certification) applications.

The **latest innovation from Tractel** in self-retracting fall arrest device.

- A simple and proven mechanism to optimise its operation and maintenance.
- In the event of fall, its ESD system ensures that the impact on the operator is less than 600 daN. Even if the operator falls when the wire rope is unwound.
- Ergonomic handle for easy handling during transport and installation.
- Lightweight thanks to its plastic housing.
- Smooth to use. The proven mechanism prevents the unintentional locking of the system.
- A reinforced spring which ensures a perfect winding of the entire wire rope.
- Impact-resistant and UV-resistant housing

### Configuration in use

The Blocfor 20 EVO ESD fall arrest device can be used:

- For user with a weight up to 150kg including their equipment. Certified according to the PPE-R/11.062 "fall arrester with a capacity greater than 100kg",
- In vertical application with an angle up to 20° at the vertical of the anchor point.
- For horizontal application with edges having a radius of more than 0.5 mm, for galvanised and synthetic rope version only. Certified according to the PPE-R/11.060 "horizontal use"

### Connector

Galvanised and synthetic versions

M24 twin-lock connector on top and M47 automatic connector with integrated swivel on the absorber.

Stainless steel version

M10 manual connector in stainless steel on both ends. With an inline swivel on the absorber end.

*This product comes equipped with Tracinfo, an online service that simplifies the way you access product documentation. With Tracinfo, you can get instant access to manuals, certificates, and more with just a few clicks.*

[Find out more here.](#)

Model		Material	Weight (kg)	Product Code
Blocfor 20 EVO ESD G 150 kg	N	Galvanised steel	9.4	86662
Blocfor 20 EVO ESD I 150 kg	N	Stainless steel	9.1	86672
Blocfor 20 EVO ESD SR 150 kg	N	Synthetic rope	8	86652

(Blocfor 20 EVO ESD I only suitable for vertical use)



# Blocfor 30 ESD

Fall arrest devices

## EN 360, CNB/P/11.060, CNB/P/11.062

- Fall arrest device with ESD technology suitable for use on flat roofs
- Can be used vertically or with a standard deviation of 20° in relation to vertical
- Can be used horizontally without the use of a lanyard between the end of the strap and harness
- Flexible unwinding system which doesn't jerk during operator movement
- Responsive system which locks automatically in the event of a fall, reducing the total drop height
- Includes Energy System Dissipater (ESD) technology which enables the device to arrest a fall even when the webbing is fully unwound
- Integrated fall indicator
- Length 30 metres, version with galvanised, stainless steel or synthetic cable
- Blocfor 30 housing made of coated aluminium: highly resistant to shocks and abrasion
- Lightweight
- M47 swivel connector at end of shock absorber (Stainless steel model with stainless steel M10 hook)
- A blocking mechanism with a double locking pin which reduces the activation time



Model	Description	Weight (kg)	Product Code
Blocfor 30 ESD 150 kg M10 M47	Galvanised rope	16.6	74532
Blocfor 30 ESD 150 kg M24 M47	Galvanised rope	16.6	86122
Blocfor 30 ESD I 150kg	Stainless steel rope	17.6	79032

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(Blocfor 30 ESD I only suitable for vertical use)

# Blocfor 20R & 30R ESD

Fall arrest devices with integrated rescue winch

## EN 360, EN 1496-B, PPE-R/11.062

Automatic fall arrester with galvanised rope, with integrated winch that's highly effective and easy to operate.

This product can be used as a standard fall arrest device when the winch is not engaged and to lift a worker for a safe rescue when activated after a fall.



For the user, the Blocfor 20 R ESD / 30 R ESD has many advantages:

- Plastic housing made of a polyamide/ABS blend (blocfor 20R) / Aluminium housing (blocfor 30R) : Anti-UV, very resistant to shocks and ageing.
- Shock-absorption system ESD is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- Integrate winch : Automatic fall protection device with integrated winch for ascending or decending during a possible rescue operation.



Model	Weight (kg)	Product Code
Blocfor 20R ESD G 150kg	11,62	75492
Blocfor 30R ESD G 150kg	20	75502



# Stopfor fall arrest devices

Tractel offers a complete range of Stopfor. It is primarily split in two:

- Stopfor on stranded rope Ø14mm
- Stopfor on braided rope Ø11mm

The choice between the two kinds of product depends on the use of the Stopfor.

The braided rope is much lighter than stranded increasing the comfort of use with a long rope. While the Stopfor with the stranded rope can all be used horizontally (e.g. flat roof).

Inside each category, different versions are available depending on the application.

Product	Stopfor for stranded rope			
	B	BF	MSP	SL
150kg	✓	✓	✓	✓
Anti-reversibility	-	-	✓	✓
Pre-installed on rope	-	✓	-	-
Can be installed and removed at any point on the rope	✓	-	✓	✓
Safety Park function	-	-	✓	✓
Vertical use	✓	✓	✓	✓
Horizontal use (e.g. on flat roof)	✓	✓	✓	✓

Product	Stopfor for braided rope				
	KS 150kg	KSP 150kg	K	KS	KSP
150kg	✓	✓	-	-	-
Anti-reversibility	✓	✓	-	✓	✓
Pre-installed on rope	-	-	✓	-	-
Can be installed and removed at any point on the rope	✓	✓	-	✓	✓
Safety Park function	-	✓	-	-	✓
Vertical use	✓	✓	✓	✓	✓
Horizontal use (e.g. on flat roof)	-	-	✓	✓	✓

The version with the safety park function will be preferred when working on a roof with high inclination and work positioning is required.

A pre-installed Stopfor on a rope will be preferred when it is important for the user or owner that the rope cannot be separated from the Stopfor.



High Capacity range 150 kg



Can be used on flat roof

# Fall Arresters - Stopfor

150 kg / Fall arresters on a flexible anchor line



## Stopfor B - 150 kg

**EN353-2 - CNB/P/11.075 - CNB/P/11.062**

- Vertical & horizontal applications.
- Use on 14 mm diameter stranded rope.
- Installs & removes at any point of the rope.
- Lightweight & ergonomic.
- Easy to use & to transport.
- Aluminium.

Model	Length (cm)	Product Code
Stopfor B M10	-	106189
Stopfor B - strap + M41	30	106169
Stopfor B - strap + M42	30	106179

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## Stopfor BF - 150 kg

**EN353-2 - CNB/P/11.075 - CNB/P/11.062**

- Vertical & horizontal applications.
- Use on 14 mm diameter stranded rope.
- Product delivered already on the rope.
- Easy to use.
- Aluminium

Model	Length (m)	Product Code
Stopfor BF - rope 10m - strap + M41	10	79992
Stopfor BF - rope 15m - strap + M41	15	80002
Stopfor BF - rope 20m - strap + M41	20	80012
Stopfor BF - rope 30m - strap + M41	30	80072
Stopfor BF - rope 40m - strap + M41	40	80082

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# Fall Arresters - Stopfor

150 kg / Fall arresters on a flexible anchor line

## Stopfor MSP - 150 kg

**EN353-2 - CNB/P/11.075 - CNB/P/11.062**

- Vertical & horizontal applications.
- Use on 14 mm diameter stranded rope.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- With park function : locks manually on the rope for a hold at the station.
- Easy to use & to transport.
- Installs & removes at any point of the rope.
- Galvanised steel.

Model	Product Code
Stopfor MSP	207018

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## Stopfor SL - 150 kg

**EN353-2 - CNB/P/11.062**

- Vertical applications.
- Use on 14 mm diameter stranded rope.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- Installs & removes at any point of the rope.
- Stainless steel.

Model	Product Code
Stopfor SL - M10	276389
Stopfor SL - strap + M10	206918
Stopfor SL - strap + M41	206958
Stopfor SL - strap + M11	206928



# Rope RLX

For Stopfor B / BF/ MSP / SL

Rope RLX ø 14 mm.

EN 353-2



## RLX14 - stop end + M10

Model	Description	Product Code
RLX 14 5-10-B	5 metre / stitched / M10	45372
RLX 14 10-10-B	10 metre / stitched / M10	45092
RLX 14 15-10-B	15 metre / stitched / M10	45102
RLX 14 20-10-B	20 metre / stitched / M10	45112
RLX 14 30-10-B	30 metre / stitched / M10	45132
RLX 14 40-10-B	40 metre / stitched / M10	45142
RLX 14 50-10-B	50 metre / stitched / M10	45152



## RLX14 - stop end + spliced buckle end

Model	Description	Product Code
RLX14 10-A	10 metre	72692
RLX14 20-A	20 metre	81152



# Fall Arresters - Stopfor

150 kg / Fall arresters on a flexible anchor line

## Stopfor KS - 150 kg

**EN353-2 - CNB/P/11.062**

- Vertical applications.
- Use on 10.5-12.5mm diameter braided rope.
- Lightweight & ergonomic.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- Easy to use & to transport.
- Aluminium.

Model	Product Code
Stopfor KS 150kg - M10	276279
Stopfor KS 150kg - M11	86182



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## Stopfor KSP - 150 kg

**EN353-2 - CNB/P/11.062**

- Vertical applications.
- Use on 10.5-12.5mm diameter braided rope.
- Lightweight & ergonomic.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- With park function : locks manually on the rope for a hold at the station.
- Easy to use & to transport.
- Aluminium.

Model	Product Code
Stopfor KSP 150kg - M10	79062
Stopfor KSP 150 kg - M24	86172

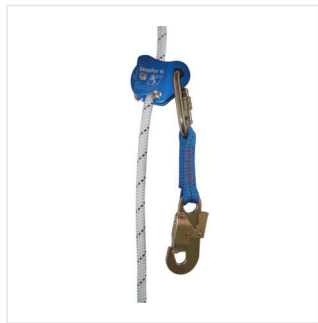


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# Fall Arresters - Stopfor

100 kg / Fall arresters on a flexible anchor line



## Stopfor K - 100kg

**EN353-2 - CNB/P/11.075**

- Vertical & horizontal applications.
- Use on 10.5 - 12.5 mm diameter braided rope.
- Lightweight & ergonomic.
- Easy to use & to transport.
- Installs & removes at any point of the rope.
- Aluminium.

Model	Product Code
Stopfor K - M10 - without lanyard	79922
Stopfor K LS30 M41	79932
Stopfor K LS30 M42	79942

Made in France



## Stopfor KS - 100kg

**EN353-2 - CNB/P/11.075**

- Vertical & horizontal applications.
- Use on 10.5 - 12.5 mm diameter braided rope.
- Lightweight & ergonomic.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- Easy to use & to transport.
- Installs & removes at any point of the rope.
- Aluminium.

Model	Product Code
Stopfor KS - M10	79952
Stopfor KS - M24	86152
Stopfor KS - strap + M41	79962
Stopfor KS - strap + M42	79972

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# Fall Arresters - Stopfor

100 kg / Fall arresters on a flexible anchor line

## Stopfor KSP - 100kg

### EN353-2 - CNB/P/11.075

- Vertical & horizontal applications.
- Use on 10.5 - 12.5 mm diameter braided rope.
- Lightweight & ergonomic.
- Anti-reversibility system : impossible to assemble upside down, enhanced security.
- With park function : locks manually on the rope for a hold at the station.
- Easy to use & to transport.
- Installs & removes at any point of the rope.
- Aluminium.

Model	Product Code
Stopfor KSP 100kg - M10	80022
Stopfor KSP 100kg - M11	86162
Stopfor KSP 100kg - strap + M41	79072
Stopfor KSP 100kg - strap + M42	79082

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# Braided rope RLXD

For Stopfor KS / KSP / K

Braided rope ø 11 mm

EN 353-2



## RLXD 11 - stop end + M10

Model	Description	Product Code
RLXD 11 5-10-A	5 metre / stitched / M10	37532
RLXD 11 10-10-A	10 metre / stitched / M10	37542
RLXD 11 15-10-A	15 metre / stitched / M10	37552
RLXD 11 20-10-A	20 metre / stitched / M10	35562
RLXD 11 30-10-A	30 metre / stitched / M10	37572
RLXD 11 40-10-A	40 metre / stitched / M10	37582
RLXD 11 50-10-A	50 metre / stitched / M10	37592
RLXD 11 60-10-A	60 metre / stitched / M10	44722
RLXD 11 70-10-A	70 metre / stitched / M10	51952

## RLXD 11 - stop end+ spliced buckle end

Model	Description	Product Code
RLX D11 5-A	5 metre / stitched	17412
RLX D11 10-A	10 metre / stitched	14102
RLX D11 10-A	15 metre / stitched	17422
RLX D11 20-A	20 metre / stitched	14112
RLX D11 30-A	30 metre / stitched	14122
RLX D11 40-A	40 metre / stitched	14132
RLX D11 50-A	50 metre / stitched	14142
RLX D11 60-A	60 metre / stitched	17492

## RLXD 11 - stop end + M41

Model	Description	Product Code
RLXD 11 5-41-A	5 metre / stitched / M41	17002
RLXD 11 10-41-A	10 metre / stitched / M41	17012
RLXD 11 15-41-A	15 metre / stitched / M41	17022
RLXD 11 20-41-A	20 metre / stitched / M41	17032
RLXD 11 30-41-A	30 metre / stitched / M41	17052
RLXD 11 40-41-A	40 metre / stitched / M41	17062
RLXD 11 50-41-A	50 metre / stitched / M41	17072

# Absorbing and standard lanyards

Tractel offers a complete range of 150 kg lanyards. The choice depends on the activity the user has to perform, one is not excluding another. It will often happen that the user might need more than one lanyard. It is primarily split in three:

## Fall arrest lanyard EN 355

## Restraint lanyard EN 354

## Work positioning lanyard EN 358

### Fall arrest lanyards

Designed to be used in a fall arrest system, they are equipped with a shock absorber to ensure that in the event of fall, the maximum force transmitted to the user is less than 600daN. They must be used in combination with a certified safety harness and an anchor point or system. A fall arrest lanyard has the advantage to be lighter than other fall arrester.

Tractel offers **3 types of material** for its fall arrest lanyard:

- Webbing
- Braided rope
- Elastic webbing

The webbing material will be preferred for short term or occasional use, as the braided rope and the elastic webbing will be preferred for frequent and long use.

Fall arrest lanyards exist in **2 configurations**:

- Single lanyard
- Twin lanyard

The twin lanyard is designed to allow the user to move between anchor points ensuring that he is always secured. The single lanyard can be used with lifeline where there is no need to disconnect to cross anchors.



### Restraint lanyards

When the lanyard is used between the harness and the anchorage point without a fall arrest system, the lanyard is intended to prevent the operator from accessing a fall hazard zone. The double lanyard version must be used in the same way, but allows movement along a fixed line while permanently connected.

**RESTRAINT LANYARDS ARE NOT TO BE USED AS FALL-ARRESTERS**

### Work positioning lanyards

Work positioning lanyards: Designed to support the user comfortably when a hands free environment is needed. It must be connected by its two ends to the two points of attachment on either side of the belt or on the two chest anchorage points on the harness.

Tractel offers **2 types of work positioning lanyard**:

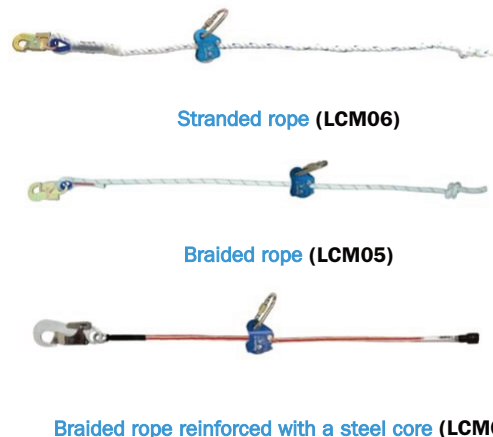
- With adjustment loop (LDR)
- With jaw tensioning device (LCM)

The first one is intended for short-term interventions and for restricted mobility. While the second one is intended for regular intervention and allows for an easy adjustment of the length of the lanyard.

The LCM03 is protected against from tools such as chainsaw or grinder.

The LCM05 with its braided offers a lighter alternative to the stranded rope of the LCM06.

The work positioning lanyard is existing in **3 different materials**:



**WORK POSITIONING LANYARDS ARE NOT TO BE USED AS FALL-ARRESTERS.**



# LDA 150 kg

Absorbing lanyards



## EN355 - CNB/P/11.074 - CNB/P/11.062

Braided rope lanyard 12,5 mm, made of polyamide fibers 6.6 te,x with shock absorber.

Lanyard with energy absorber provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.  
The energy absorber safely arrests a fall from a height. Without the shock absorber, a free fall of more than 50 cm can cause serious injury.

Model	Length (m)	Product Code
LDA 1-M10-M10	1	77502
LDA 1-M10-M53	1	81962
LDA 1-11-53	1	84192
LDA 1.5-BB	1,5	77512
LDA 1.5-M10-M10	1,5	77532
LDA 1.5-M10-M51	1,5	77562
LDA 1.5-M10-M41	1,5	77552
LDA 1.5-M11-M51	1,5	82142
LDA 1.5-M10-M53	1,5	77572
LDA 1.5-M12-M51	1,5	77602
LDA 1.5-M41-M53	1,5	77652
LDA 1.5-M41-M51	1,5	77642
LDA 1,5-11-53	1,5	84202
LDA 2-BB	2	77692
LDA 2-M10-M10	2	77712
LDA 2-M10-M53	2	77752
LDA 2-M11-M51	2	77762
LDA 2-M10-M51	2	77742
LDA 2-M12-M51	2	77782
LDA 2-M41-M53	2	77832
LDA 2-M41-M51	2	77822
LDA 2-11-53	2	84212

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# LDAD 150 kg

Absorbing lanyards

## EN355 - CNB/P/11.074 - CNB/P/11.062

**Twin braided rope lanyard 12,5 mm, made of polyamide fibers 6.6 te,x with shock absorber.**

Double lanyard with energy absorber provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness. It is an ideal fall protection so that the operator is never disconnected.

Model	Length (m)	Product Code
LDAD 1-M10-M51-M51	1	77862
LDAD 1-M11-M53-M53	1	84452
LDAD 1-M10-M53-M53	1	77872
LDAD 1.5 BBB	1,5	77902
LDAD 1.5-M10-M10-M10	1,5	77942
LDAD 1.5-M11-M53-M53	1,5	78022
LDAD 1.5-M10-M53-M53	1,5	77992
LDAD 1.5-M12-M51-M51	1,5	78052
LDAD 1.5-M10-M51-M51	1,5	77982
LDAD 1.5-M11-M51-M51	1,5	78012
LDAD 1.5-M41-M51-M51	1,5	78102
LDAD 2 BBB	2	78122
LDAD 2-M10-M10-M10	2	78132
LDAD 2-M10-M53-M53	2	78172
LDAD 2-M11-M53-M53	2	82162
LDAD 2-M23-M51-M51	2	81472
LDAD 2-M10-M51-M51	2	78162
LDAD 2-M11-M51-M51	2	82152

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# LSA 150 kg

Absorbing lanyards



## EN355 - CNB/P/11.074 - CNB/P/11.062

Single webbing fall arrest lanyard 30mm made of polyester fibers 6.6tex, with an energy absorber.

Webbing lanyard with energy absorber provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

The energy absorber safely arrests a fall from a height. Without the shock absorber, a free fall of more than 50 cm can cause serious injury.

Model	Length (m)	Product Code
LSA 1.5-CC	1,5	75172
LSA 1.5-10-10	1,5	75182
LSA 1.5-10-11	1,5	75192
LSA 1.5-10-51	1,5	75212
LSA 1.5-10-53	1,5	75232
LSA 2-CC	2	75312
LSA 2-10-10	2	75322
LSA 2-10-41	2	75342
LSA 2-10-51	2	75352
LSA 2-10-53	2	75362

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# LSAD 150 kg

Absorbing lanyards

## EN355 - CNB/P/11.074 - CNB/P/11.062

Twin webbing fall arrest lanyard 30mm made of polyester fibers 6.6tex, with an energy absorber.

Double lanyard with energy absorber provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness. It is an ideal fall protection so that the operator is never disconnected.

Model	Length (m)	Product Code
LSAD 1.5-10-10-10	1,5	74992
LSAD 1.5-10-51-51	1,5	75022
LSAD 1.5-10-53-53	1,5	75032
LSAD 2-10-10-10	2	75102
LSAD 2-10-51-51	2	75132
LSAD 2-10-53-53	2	75142

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# LSEA 150 kg

Absorbing lanyards



M10 M41



M10 M51 M53

## EN355 - CNB/P/11.074 - CNB/P/11.062

Strap Elastic lanyard 35 mm with energy absorber.

The elastic lanyards LSEA are lanyards formed by a strap made of rigid polyester fiber woven on an elastic fiber core.

This elastic fiber has elongation properties which allow the lanyard to stretch by one-third of its contracted length.

The outer strap made of polyester fibers woven on the elastic fiber core gives the elastic lanyards excellent resistance to abrasion and cutting when it comes into contact with a sharp edge, including in the event of a fall.

With respect to standard lanyards, the elastic lanyards LSEA provide the advantage of being more compact and therefore more comfortable in use. With respect to the elastic lanyards currently on the market, formed by a tubular strap with an elastic material inside the lanyard, the Tractel elastic lanyards LSEA provide a much higher degree of resistance to ageing (the strap keeps its elasticity much longer) and has a much more attractive design.

Model	Length (m)	Product Code
LSEA 1.5-10-10	1,5	79202
LSEA 1.5-10-53	1,5	79262
LSEA 1.5-10-51	1,5	79242
LSEA 1.5-41-53	1,5	79302
LSEA 1.5-41-51	1,5	79282
LSEA 1.8-10-10	1,8	79212
LSEA 1.8-10-53	1,8	79272
LSEA 1.8-10-51	1,8	79252
LSEA 1.8-41-51	1,8	79292

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### EN358 - CNB/P/11.062

Adjustable lanyard LDR ø 11mm provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

**This lanyard is a work positioning lanyard.**

The LDR lanyard is formed by a braided rope ø11mm made of rigid polyamide fibers, against the abrasion and the cut.

*This lanyard is not a fall arrest.*

Model	Length (m)	Product Code
LDR 11 1,5-B	1,5	78222
LDR 11 / 1,5 / 10-10	1,5	78232
LDR 11 / 1,5 / 10-11	1,5	78242
LDR 11 / 1,5 / 41-10	1,5	78272
LDR 11 / 1,5 / 41-10	1,5	78262
LDR 11 / 1,5 / 10-51	1,5	78252
LDR 11 / 2 / B	2	78332
LDR 11 / 2 / 10-10	2	78362
LDR 11 / 2 / 10-11	2	78372
LDR 11 / 2 / 10-41	2	78402
LDR 11 / 2 / 10-53	2	78432
LDR 11 / 2 / 10-51	2	78422

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# LCM 03

Work positioning lanyards



## EN358 - CNB/P/11.062

The work positioning lanyard LCM03 is a manually adjusted tensioner-reducer. This device works on a low-stretch rope with steel core diameter of 12.5 mm.

The LCM03 is compact and ergonomic and perfectly suited for work positioning.

The lanyard LCM03 is equipped with a compact, ergonomic jaw tensioning device. The device is made of high-strength aluminium. The jaw tensioning device LCM03 slides along the rope . In the event of a fall or loss of balance, the tensioner automatically locks.

The unit is supplied with rope with steel core diameter of 12.5 mm and length of 2m, 3m or 4m, equipped with a connector M10 on the tensioner and a connector M40 on the end of the rope

*This lanyard is not a fall arrest.*

Model	Length (m)	Product Code
LCM 03 - M42 M10T - 2 m	2	85292
LCM 03 - M42 M10T - 3 m	3	85302
LCM 03 - M42 M10T - 4 m	4	85312
Sleeve	-	18192

\*except sleeve  
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# LCM 05

Work positioning lanyard

## Adjustable Lanyard - LCM05

### EN358 - CNB/P/11.062

The work positioning lanyard LCM05 is a manually adjusted tensioner-reducer. This device works on a low-stretch braided rope in polyamide diameter of 12.5 mm.

The LCM05 is compact and ergonomic and perfectly suited for work positioning.

The LCM05 is equipped with a compact, ergonomic tensioner-reducer. The device is made of high-strength aluminium. The tensioner-reducer LCM05 slide along the rope. In the event of a fall or loss of balance, the tensioner automatically locks.

The unit is supplied with braided rope diameter of 12.5 mm and length of 2m, 3m or 4m, equipped with a connector M10 on the tensioner and a connector M40 on the end of the rope

*This lanyard is not a fall arrest.*

Model	Length (m)	Product Code
LCM 05	2	79122
LCM 05	3	79132
LCM 05	4	79142
Sleeve	-	18192

\*except sleeve

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# LCM 06

Work positioning lanyards



## Adjustable Lanyard - LCM06

### EN358 - CNB/P/11.062

The work positioning lanyard LCM06 is a manually adjusted tensioner-reducer. This device works on a low-stretch stranded rope in polyamide diameter of 14 mm.

The LCM06 is compact and ergonomic and perfectly suited for work positioning.

The LCM06 is equipped with a compact, ergonomic tensioner-reducer. The device is made of high-strength aluminium. The tensioner-reducer LCM06 slide along the rope . In the event of a fall or loss of balance, the tensioner automatically locks.

The unit is supplied with stranded rope diameter of 14 mm and length of 2m, 3m or 4m, equipped with a connector M10 on the tensioner and a connector M40 on the end of the rope

*This lanyard is not a fall arrest.*

Model	Length (m)	Product Code
LCM 06	2	79152
LCM 06	3	79162
LCM 06	4	79172
Sleeve	-	18192

\*except sleeve

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# LD 11 - Braided Rope Lanyard

Restraint lanyards

## EN354 - CNB/P/11.062

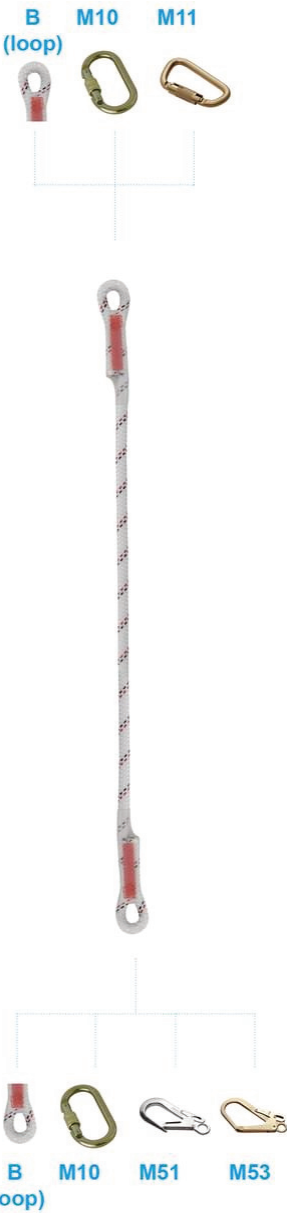
**Braided Rope Lanyard ø 11mm made of polyamide of 6.6 tex with extremity uckled and stitched.**

Lanyard LD provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

- EN354

Model	Length (m)	Product Code
LD 1-BB	1	33692
LD 1-10-10	1	37762
LD 1-10-51	1	40202
LD 1-10-53	1	40422
LD 1-11-53	1	83952
LD 1.5-10-B	1,5	76722
LD 1.5-BB	1,5	37752
LD 1.5-10-10	1,5	37772
LD 1.5-10-51	1,5	40212
LD 1.5-10-53	1,5	40432
LD 1.5-11-53	1,5	83962
LD 2-BB	2	33702
LD 2-10-10	2	37782
LD 2-10-51	2	40222
LD 2-10-53	2	40442
LD 2-11-53	2	83972

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# LDF 11 - Braided Rope Lanyard

Restraint lanyards



## EN354 - CNB/P/11.062

Double braided Rope Lanyard  $\varnothing$  11mm made of polyamide of 6.6 tex with extremity uckled and stitched.

Double lanyard LDF provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

- EN354

Model	Length (m)	Product Code
LDF 0.5/1-BCC	0,5	37962
LDF 1 - BBB	1	37842
LDF 1-10-10-10	1	40232
LDF 1-10-53-53	1	40392
LDF 1-11-53-53	1	84222
LDF 1-10-51-51	1	37932
LDF 1.5-BBB	1,5	37852
LDF 1.5-10-10-10	1,5	40242
LDF 1.5-11-53-53	1,5	84232
LDF 1.5-10-53-53	1,5	40402
LDF 1.5-10-51-51	1,5	37942
LDF 2-BBB	2	37862
LDF 2-10-10-10	2	40252
LDF 2-10-53-53	2	40412
LDF 2-11-53-53	2	84242
LDF 2-10-51-51	2	37952

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# LS - Webbing lanyard

Restraint lanyards

## EN354 - CNB/P/11.062

Single webbing lanyard, 30 mm-wide strap made of polyester, without shock absorber.

The LS lanyard provides a connecting element between a fixed or mobile anchor points and the attachment point on the harness.

- EN 354

Model	Length (m)	Product Code
LS 1-BB - loops	1	10932
LS 1-M10-M10	1	12692
LS 1.5-BB - loops	1,5	10952
LS 1.5-M10-M10	1,5	12712
LS 1.5-M10-M51	1,5	35082
LS 2-BB - loops	2	10972
LS 2-M10-M10	2	12012

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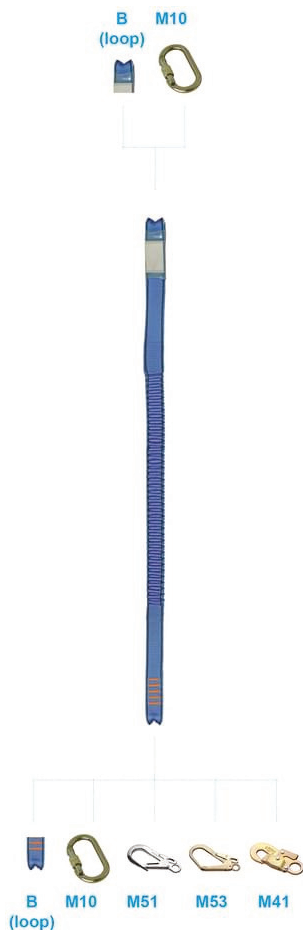


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# LSE - Elastic Webbing Lanyards

Restraint lanyards



## EN354 - CNB/P/11.062

Strap elastic webbing lanyard 30 mm, without shock absorber.

The elastic lanyards LSE are lanyards formed by a strap made of rigid polyester fiber woven on an elastic fiber core.

This elastic fiber has elongation properties which allow the lanyard to stretch by one-third of its contracted length.

The outer strap made of polyester fibers woven on the elastic fiber core gives the elastic lanyards LSE excellent resistance to abrasion and cutting when it comes into contact with a sharp edge..

With respect to standard lanyards, the elastic lanyards LSE provide the advantage of being more compact and therefore more comfortable in use.

With respect to the elastic lanyards currently on the market, formed by a tubular strap with an elastic material inside the lanyard, the Tractel® elastic lanyards LSE provide a much higher degree of resistance to ageing (the strap keeps its elasticity much longer) and has a much more attractive design.

- EN354

Model	Length (m)	Product Code
LSE 1.5-b-b	1,5	54092
LSE 1.5-10-10	1,5	54132
LSE 1.5-10-41	1,5	54172
LSE 1.5-10-51	1,5	54212
LSE 1.5-10-53	1,5	54252
LSE 1.75-10-10	1,75	54142
LSE 1.75-10-53	1,75	54262
LSE 2-b-b	2	54112
LSE 2-10-10	2	54152
LSE 2-10-51	2	54232

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# Connectors



## Steel Connectors

### EN362



Model	Description	Anchorage Hook Gate Opening	Weight (kg)	Product Code
M10	Manual screw locking	ø 15 mm	0.180	31652
M10T	Manual screw locking	ø 18 mm	0,163	76312
M11	semi-automatic locking - 17 mm opening	ø 17 mm	0.250	31662
M23T	Automatic locking triple safety	ø 17 mm	0.195	59002
M41	Double trigger automatic locking	ø 18 mm	0.267	31722
M47	Double trigger automatic locking	ø 17 mm	0.250	33032
M53	Double trigger automatic locking	ø 53 mm	0.510	31772
M60	Semi-automatic locking	ø 47 mm	0.404	32482
M61	Manual screw lock	ø 47 mm	0,404	33082

## Stainless Steel Connectors

### EN362



Model	Description	Anchorage Hook Gate Opening	Weight (kg)	Product Code
M10 I	Manual screw locking	ø 17 mm	0,174	44202
M32	Automatic locking by spring cover	Ø 100 mm	0.360	10442
M31	Automatic locking by spring cover	Ø 75 mm	0.310	10432
M33	Automatic locking by spring cover	Ø 140 mm	0.400	10452

# Connectors



## Aluminium Connectors

### EN362



Model	Description	Anchorage Hook Gate Opening	Weight (kg)	Product Code
M12	Manual screw locking	Ø 23 mm	0.100	31672
M15	Semi-automatic locking	Ø 23 mm	0.090	31692
M22	Triple safety lock	Ø 23 mm	0.105	56222
M42	Double trigger automatic locking	Ø 18 mm	0.160	31732
M51	Double trigger automatic locking	Ø 60 mm	0.480	31752
M52	Sliding lock	Ø 59 mm	0.254	31762
M54	Double trigger automatic locking	Ø 110 mm	0.910	32462



# Steel Connectors

EN 362



**M10**

- Permanent connection
- High capacity range 150kg
- Manual screw locking
- Carbon steel yellow zinc
- Opening  $\varnothing$  15 mm



**M10T**

- Permanent connections.
- High capacity range 150kg
- Manual screw locking
- Carbon steel yellow zinc
- Opening  $\varnothing$  18 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.



**M11**

- Frequent connection
- High capacity range 150kg
- Twist lock
- Carbon steel yellow zinc
- Opening  $\varnothing$  17 mm



**M23T**

- Frequent connection
- High capacity range 150kg
- Triple safety lock
- Carbon steel yellow zinc
- Opening  $\varnothing$  17 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.



**M24T**

- Frequent connections.
- High capacity range 150kg
- Double safety lock
- Carbon steel yellow zinc
- Opening  $\varnothing$  19 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.



**M41**

- Frequent connection
- High capacity range 150kg
- Double safety lock
- Carbon steel yellow zinc
- Opening  $\varnothing$  18 mm

# Steel Connectors

EN 362



M47

- Frequent connection
- High capacity range 150kg
- Double lock
- Twist
- Carbon steel yellow zinc
- **Without fall indicator**
- Opening  $\varnothing$  17 mm



M53

- Frequent connection on structures
- High capacity range 150kg
- Double safety lock
- Carbon steel yellow zinc
- Opening  $\varnothing$  53 mm



M60

- Frequent connection
- High capacity range 150kg
- Twist lock
- Carbon steel yellow zinc
- Opening  $\varnothing$  47 mm



M61

- Permanent connection
- High capacity range 150kg
- Manual screw locking
- Carbon steel yellow zinc
- Opening  $\varnothing$  47 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.



MR9

- Permanent connection
- High capacity range 150kg
- Manual screw locking
- Stainless steel 316L
- Opening  $\varnothing$  11 mm

# Stainless Steel Connectors

EN 362



- Frequent connection on tubular framework
- High capacity range 150kg
- Double safety lock
- Stainless steel
- Opening 75 mm



- Frequent connection on tubular framework
- High capacity range 150kg
- Double safety lock
- Stainless steel
- Opening 100 mm



- Frequent connection on tubular framework
- High capacity range 150kg
- Double safety lock
- Stainless steel
- Opening 140 mm



- Permanent connection
- High capacity range 150kg
- Manual screw locking
- Body : Stainless steel
- Opening 17 mm

# Aluminium Connectors

EN 362



M12

- Permanent connection
- Manual screw locking
- Aluminium
- Opening  $\varnothing$  23 mm



M15

- Frequent connection
- Triple safety lock
- Aluminium
- Opening  $\varnothing$  23 mm



M22

- Frequent connection
- Triple safety lock
- Aluminium
- Opening  $\varnothing$  23 mm

Model with captive pin. The pin is supplied separately and needs to be fitted by the user. Once fitted, the components cannot be disassembled.



M42

- Frequent connection
- Double safety lock
- Aluminium
- Opening  $\varnothing$  18 mm



M51

- Frequent connection on structures
- Double safety lock
- Aluminium
- Opening  $\varnothing$  60 mm



M52

- Frequent connection
- Sliding lock
- Aluminium
- Opening  $\varnothing$  59 mm



M54

- Frequent connection on structures
- Double safety lock
- Aluminium
- Opening  $\varnothing$  110 mm

# Anchor points

Applicable standards : EN 795: An anchor point is a point to which the fall-arrest system can be attached reliably so as to guarantee the safety of the operator.

Before selecting an anchor point, it is essential to determine where it will be installed. The strength of the structure supporting the anchor point must be considered.

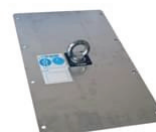
## EN 795 Type A

**Anchor devices which require one or more structural anchors to be secured.**

- PAS
- PA anchor
- ringsafe
- PO



- ringflex
- Roof anchor
- Anchor posts



## EN 795 Type B

**Temporary and transportable anchor devices.**

- AS19S
- AS19S GA
- AS30S
- corso



- rollbeam
- rollclamp
- ballsafe
- Door anchor



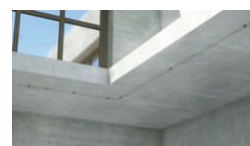
## EN 795 Type C

**Anchor devices using a flexible horizontal anchor line.**

- tempo 2
- tempo 3
- tirsafe™



- travsafe™
- travflex™ 2
- travsmart
- travspring™
- travspring™ One



## EN 795 Type D

**Anchor devices using a rigide horizontal anchor line.**

- travrail



## EN 795 Type E

**Deadweight anchor devices.**

- mobifor





# Anchors

Type A anchor: fixed anchors



## Anchor - PAS

EN795-A



1 user, 150 kg

Tested to stop the fall of one operator weighing 150kg (including the weight of his equipment)

- Stainless steel.

Model	Product Code
PAS Anchor	196418

## Anchor - PA

EN795-A - CEN/TS16415 for use by two people



2 users, 150 kg

Tested to stop the fall of two operators weighing 150kg each (including the weight of their equipment)

- Aluminium anchor point
- Secured with M12 screw at 100mm intervals
- Includes traceability label

Model	Product Code
PA Aluminium	64488
PA Black	64448
PA Grey	64458
PA Red	64438
PA Yellow	64468

## Anchor - Ringsafe

EN795-A



1 user, 150 kg

Tested to stop the fall of one operator weighing 150kg (including the weight of his equipment)

- Includes fall indicator.
- Stainless steel.

Model	Product Code
Ringsafe Anchor	76299

## Anchor - PO

EN795-A - CEN/TS16415 for use by two people



2 users, 150 kg

Tested to stop the fall of two operators weighing 150kg each (including the weight of their equipment)

- Stainless steel.
- Includes traceability label.

Model	Product Code
PO Anchor	196428

# Anchors

Type A anchor: fixed anchors

## Anchor - Ringflex

### EN795-A - CEN/TS16415 for use by two people

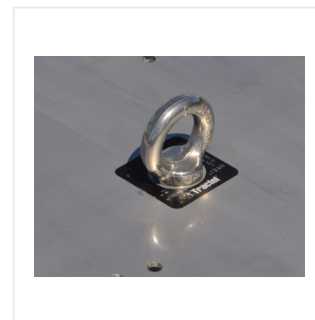
The Ringflex anchor point is designed for installation on flexible roofs of corrugated tray (steel or aluminium), dry tray or rolled tray (top seal) types.

The Ringflex is installed by means of different anchor plates, specific to each type of roof.

Model	Product Code
Ringflex anchor ring single item	193858
Universal plate for extremity and intermediate bracket in galvanised steel (thickness 3mm)	207788
Universal plate for extremity and intermediate bracket in stainless steel (thickness 3mm)	206888
Kit 4 clamps + 1 bolt M16	232577
Kit 12 rivets + rubber sealing bands + 1 bolt M16	232587



Characteristics of trays for use of universal plates:  
Mini steel tray and sandwich panel thickness: 0.4 mm  
Mini aluminum tray standing seam thickness: 1 mm  
Waves: 200 to 350 mm



2 users, 150 kg

**NB** : The ringflex is sold without an anchor plate.

\*For using universal plate, you have to order 4 clamps or 12 rivets.

# Anchors

Type A anchor: fixed anchors



1 user, 100 kg

## Anchor - Roof Permanent Anchor

### EN795-A

Tractel roof anchor points are designed to support a ladder and attached fall prevention devices.

They are secured directly into wooden roof trusses using annealed crampons or spikes.

- Materials: Galvanised or stainless steel.

Model	Product Code
galvanized, flat	66618
galvanized, curved	66628
galvanized, twisted	66638
stainless steel, flat	66648
stainless steel, curved	66658
stainless steel, twisted	66668
spike 50 mm	66928
spike 90 mm	66938
spike 130 mm	66948
galvanized, annealed tips	66958

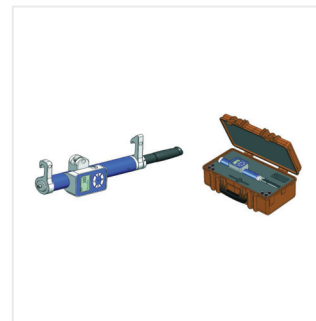
# Dynaline - Dynaplug

## Dynaline HF 45

Specific model, based on HF37 technology, adapted to measure precisely tension in lifelines.

- Quick direct mounting on the wire or rope thanks to modified fixing hooks
- Capacity range from 50 to 600 kg
- Specific lifeline wire rope database
- 3% accuracy of measuring range, if wire rope and diameter included in the database
- Compatible with diameters from 8 to 12 mm
- LCD display directly on the sensor
- Possibility to add a wire or rope in the database

Model	W.L.L	Rope Diameter	Product Code
Kit Dynaline HF45/1/LPT	50 - 600	8 - 12	187998

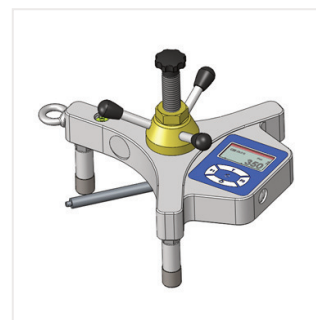


## Dynaplug HF 44

The Dynaplug anchor tester is an electronic load cell designed to measure anchor strength in construction material. Its shape as a tripod has been especially designed to minimize its influence on the concrete around the fixing.

- Stand-alone anchor tester
- Capacity range from 1 500 to 5000 daN
- 0.5% accuracy of measuring range
- Height of legs adjustable between 70 and 190 mm
- Multiple accessories provided with the tester
- LCD display integrated on the device
- Data saving and possibility to monitor the tension on a PC in option

Model	W.L.L	Product Code
Kit Dynaplug HF44/1/LPT	1500	190028
Kit Dynaplug HF44/2/LPT	2500	190038
Kit Dynaplug HF44/3/LPT	5000	190048



## Anchor Tester TA

Anchor testers TA are test specimens endowed with a breaking section calibrated to break under a determined traction force. The anchor tester must be installed between the anchor point to be tested and the loading device by means of shackles or any other adequate mechanical connection.

- Quick and reliable test
- Unique usage
- Capacity range from 600 to 4000 daN
- Breaking tolerance  $\pm 10\%$

Model	Breaking load (daN)	Product Code
TA 600 - 20 plates	600	193269
TA 1000 - 20 plates	1 000	261769
TA 1200 - 20 plates	1 200	261779
TA 1500 - 20 plates	1 500	193279
TA 2000 - 20 plates	2 000	193289
TA 4000 - 10 plates	4 000	193299



# Posts

## Galvanised anchor posts

- Anchor posts fitted with a stainless steel anchor ring.
- 70x70 mm cross-section, made of galvanised steel.



- The 250 and 500 mm height posts are certified to be used by one person up to 150 kg or two people up to 100 kg each. \* The 750 mm high posts are certified to be used by a person up to 100 kg



Square base



Square base 20° inclined



Rectangular base



Base plate for roof ridges

### Anchor post with a square base plate 270 x 270 mm.

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	72178
Anchor post with a square base plate 270 x 270 mm.	66968
Anchor post with a square base plate 270 x 270 mm.	72338

### Anchor post with a rectangular base plate 352 x 160 mm.

Model	Product Code
Anchor post with a rectangular base plate 352 x 160 mm.	72038
Anchor post with a rectangular base plate 352 x 160 mm.	72058
Anchor post with a rectangular base plate 352 x 160 mm.	72348

### Anchor post with a square base plate 270 x 270 mm, 20° inclined.

Model	Product Code
Anchor post with a square base plate 270 x 270 mm, 20° inclined.	72318
Anchor post with a square base plate 270 x 270 mm, 20° inclined	72328

### Anchor post with a base plate for roof ridges 350 x 370 mm.

Model	Product Code
Anchor post with a base plate for roof ridges 350 x 370 mm.	72048
Anchor post with a base plate for roof ridges 350 x 370 mm.	72068



# Posts

## Insulated anchor posts

Insulated anchor posts with a stainless steel anchor ring. 70x70 mm cross-section, made of galvanised steel, with thermal protection. They are designed to eliminate the risk of condensation in winter when the outside temperature drops below 0° C. They also help to keep your roof insulation to its optimal efficiency and reduce heat energy waste.



- The 250 and 500 mm height posts are certified to be used by one person up to 150 kg or two people up to 100 kg each. \* The 750 mm high posts are certified to be used by a person up to 100 kg



Square base



Square base 20° inclined



Rectangular base



Base plate for roof ridges

### Anchor post with a square base plate 270 x 270 mm.

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	186548
Anchor post with a square base plate 270 x 270 mm.	186588
Anchor post with a square base plate 270 x 270 mm.	186628

### Anchor post with a rectangular base plate 352 x 160 mm.

Model	Product Code
Anchor post with a rectangular base plate 352 x 160 mm.	186568
Anchor post with a rectangular base plate 352 x 160 mm.	186608
Anchor post with a rectangular base plate 352 x 160 mm.	186638

### Anchor post with a square base plate 270 x 270 mm, 20° inclined.

Model	Product Code
Anchor post with a square base plate 270 x 270 mm, 20° inclined.	186558
Anchor post with a square base plate 270 x 270 mm, 20° inclined.	186598

### Anchor post with a base plate for roof ridges 350 x 370 mm.

Model	Product Code
Anchor post with a base plate for roof ridges 350 x 370 mm.	186578
Anchor post with a base plate for roof ridges 350 x 370 mm.	186618

# Posts

## Stainless steel anchor posts

- Anchor posts with a stainless steel anchor ring. 80x80 mm cross-section
- Made of stainless steel.



- The 250 and 500 mm height posts are certified to be used by one person up to 150 kg or two people up to 100 kg each. \* The 750 mm high posts are certified to be used by a person up to 100 kg



Square base



Rectangular base



Base plate for roof ridges

### Anchor post with a square base plate 270 x 270 mm.

Model	Product Code
Anchor post with a square base plate 270 x 270 mm.	186748
Anchor post with a square base plate 270 x 270 mm.	186778

### Anchor post with a rectangular base plate 352 x 160 mm.

Model	Product Code
Anchor post with a rectangular base plate 352 x 160 mm.	186758
Anchor post with a rectangular base plate 352 x 160 mm.	186788

### Anchor post with a base plate for roof ridges 350 x 370 mm.

Model	Product Code
Anchor post with a base plate for roof ridges 350 x 370 mm.	186768
Anchor post with a base plate for roof ridges 350 x 370 mm.	186798

Model	Product Code
Sealing collar for post section 70 x 70 mm	129505
Back plate in galvanized steel ep. 10 mm for post 70 x 70mm height 250 and 500 mm square plate 270 x 270 mm	130995
Back plate in galvanized steel ep. 10 mm for post 70 x 70 mm height 750 mm square plate 270 x 270 mm	133295

# Anchors

Type B anchor: mobile anchors - (EN 795)

## Anchor AS19S

### EN795-B

- To create an anchor point on a frame.
- Width 19 mm.

Model	Product Code
AS19S - 0.6 m	38382
AS19S - 0.8 m	38392
AS19S - 1.0 m	38402
AS19S - 1.2 m	80842
AS19S - 1.5 m	80852
AS19S - 2 m	72152

Made in France



1 user, 150 kg

## Anchor Point AS19S GA

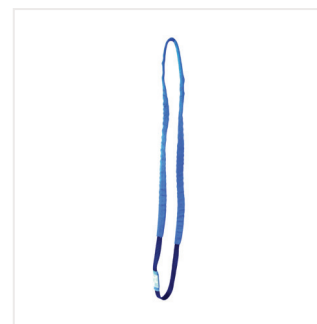
### EN795-B

Ring (supplied without connector) for anchoring on a structure on which a fall-arrest system has been installed.

The AS19S GA is delivered with a protective sleeve against sharp or abrasive edges made of kevlar. The kevlar sheath provides optimum protection against cuts and abrasion.

Model	Product Code
AS19S GA - 0.6 m	81412
AS19S GA - 0.8 m	81422
AS19S GA - 1 m	81432
AS19S GA - 1.2 m	81442
AS19S GA - 1.5 m	81452
AS19S GA - 2 m	81462

Made in France



1 user, 150 kg

# Anchors

Type B anchor: mobile anchors - (EN795)



1 user, 150 kg

## Anchor AS30S

### EN795-B

- To create an anchor point on a frame.
- Width 30 mm.

Model	Product Code
AS30S 0.6m	57272
AS30S 0.8m	57282
AS30S 1m	57292
AS30S 1.2m	59372
AS30S 1.5m	59382
AS30S 2m	59392
Sleeve	18192

Made in France



1 user, 150 kg

## Anchor - corso

### EN795-B

corso clamp beam clamp with adjustable threaded bar.

- Compact and strong construction.
- Fast and simple adjustment to section.

Model	Weight (kg)	Product Code
corso LT-1B Beam Clamp	4.380	97929

# Anchors

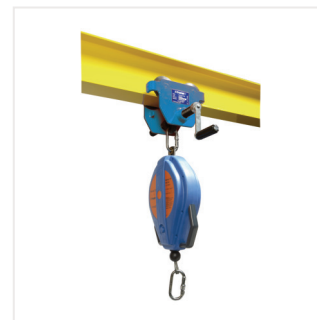
Type B anchor: mobile anchors - (EN795)

## Rollbeam

### EN795-B

- Push trolley.
- Travels on lower iron footplate.

Model	Description	Weight (kg)	Product Code
rollbeam SB	Standard - adjustable from 58 - 220 mm	11,7	54369
rollbeam LB	Extra wide - adjustable from 220 - 300 mm	12,7	88559



1 user, 150 kg

## Rollclamp

### EN795-B

Enables the creation of a mobile anchor point on an R.S.J. and the ability to work safely while retaining a wide range of movement. Thanks to its 4 bearing rollers, the rollclamp follows movement around the framework with minimal user intervention.

- Medium adjustable: 90- 400 max.
- Large adjustable: 200 - 615 max.
- Can be installed on the upper or lower soleplate.
- rollclamp Weight: M 1.48 kg and L 2.04 kg.

Model	Weight (kg)	Product Code
medium	1.500	86009
large	2.080	86019



Made in France

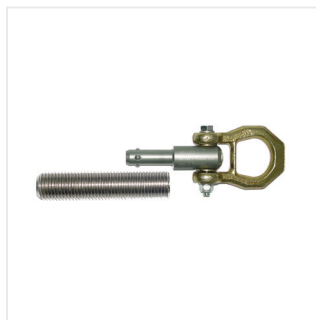


1 user, 150 kg



# Anchor points

Type B anchor: mobile anchors



Tested to stop the fall of  
2 users, 100 kg

## Anchor - Ballsafe

### EN795-B - CEN/TS16415 for use by two people

The ballsafe anchor point is made up of a four block plug and a female socket. It is sealed into concrete or a material of equal density using a chemical compound.

Model	Product Code
ballSafe eye	89776
ballSafe female socket	89786



Tested to stop the fall of 2 users,  
150kg.

## Door anchor bar 150kg

### Temporary anchor point

The Tractel® door bar anchor is a mobile anchor point that complies with the EN 795B standard.

This bar has been specially designed to create a reliable and quick to install anchor point. It is positioned in the opening of a sufficiently strong window or door.

This product is designed for people accessing area with a risk of fall from height in the vicinity of a door or window such as in construction sector or during the inspection of the building façade.

The door anchor bar is adjustable from 640 to 1100 mm.

It can be used simultaneously by 2 operators of 150 kg each.

It is made of galvanised steel and measures 1410 x 110 x 170mm and weighs 9 kg.

Model		Weight (kg)	Product Code
Door anchor bar 150kg	N	9	294649



## Door anchor bag

Model	Product Code
Door anchor bag	68752

# Anchors

Type B anchor: mobile anchors - (EN795)

## Pole

### EN795-B

6 meters long pole. Enables the setting up of a lifeline from the ground.

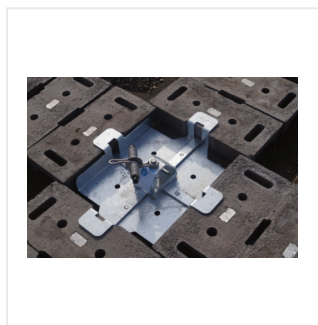
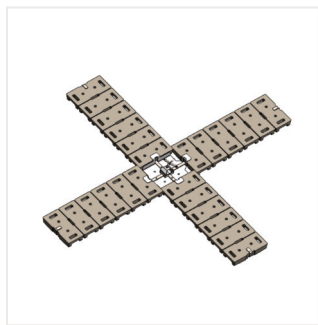
- polyester pole
- With adapter for karabiner AM53 or AM54
- Pole weight : 2.685 kg
- Karabiner weight : 0.765 kg

Model	Product Code
Pole- 6 meter long	106697
AM53 connector	106117
AM54 Connector	113427
Pole + AM53 Connector	59452
Pole + AM54 Connector	59462



# Mobifor

Deadweight anchoring system



1 user, 100 kg.

## EN795-E

The Mobifor is a revolutionary, deadweight anchoring system, for installation on flat roofs and fall risk areas. The set consists of 24, steel-reinforced, concrete blocks, positioned on four steel arms. The arms are connected at the centre by a joining plate equipped with a rotary anchor point with an energy dissipater.

### SPECIFICATION

- 4 arms made of galvanised steel.
- 24 concrete weights.
- Rotary anchor point.
- Conforms to standard EN 795-E.

### NO TOOLS REQUIRED

- The connecting plate is set up with no need to drill holes in the roof.
- The arms click easily into the plate.
- Weights automatically interlock.

### EASY TO SET UP

- Takes less than 5 minutes to set up.
- The system uses ergonomic weights with large handles.
- Overall weight is distributed across 24 separate weights making it easy to lift and carry.
- The weights are easy to install on the arms.

### ENHANCED FALL PROTECTION

- 360 degree movement possible thanks to the rotary anchor point.
- Compatible with a variety of fall arrest devices.

### EXTREMELY VERSATILE

- Adapts to all horizontal roofs meeting European requirements.
- Its weight and volume allows for installation in places where traditional anchoring systems cannot be installed.
- Can be placed on a slope with an inclination of up to 5 degrees.
- Can be installed without penetrating the roof surface.
- Can be installed on the following roof surfaces: EPDM, bitumen, PVC.

Model	Weight (kg)	Product Code
Mobifor mobile anchor point	394	279409







# Confined access range

## Davitrac



- Permanent anchor point (2 users of 150 kg each), compatible for working suspended on rope
- Lifting anchor point complying with machinery standards 2006/42/CE - WLL : 500 kg
- Permanent or semi-permanent installation
- Manual or motorised lifting
- Several bases available

## Davimast



- Permanent anchor point (2 users of 150 kg each)
- Lifting anchor point complying with machinery standards 2006/42/CE - WLL : 250 kg
- Permanent or semi-permanent installation
- Manual
- Compatible with davitrac bases

## Tracpode



- Material and people lifting (compatible for work in suspension)
- 150 kg people / WLL 500 kg material
- Semi-permanent installation
- Rugged mobile solution
- Manual and motorised

## Tracrod



- Permanent anchor point (150 kg)
- Semi-permanent installation
- Manual

## FABA ladder





# Davitrac

Davit arm for confined space entry, safe lifting solution

## EN795 & Machine directive 2006/42/CE

The Davitrac is a complete solution for safe vertical lifting of personnel and material in confined space situations.

Mobile and efficient solution for confined space situations.

It offers protection and total mobility for two people simultaneously, during work involving risk of falling

Its compatibility with the Tractel tool range allows a large number of possible configurations.

### Technical characteristics:

- Weight: 30 kg (without accessories & bases)
- Anchor points for fall arresters (2 users): 150kg each
- Maximum load capacity (materials): WLL 500 kg
- 360° rotating mast (with locking every 90° or 180° when using H-Base)

### Standards:

- Individual protection of operators against falls (EN 795 Class A and/or B + EN 360)
- CEN/TS 16415:2013 (Fall arrest for 2 users).
- EN 1496
- Machine Directive 2006/42/CE (Material lifting).

### Compatibles applications:

- Rescue
- Confined spaces access
- Rope works
- Manholes
- Pits
- Sewer access
- Pipes
- Oil and gas
- Civil engineering
- Industry
- Wind and solar installation

Model	Material	Weight (kg)	Product Code
Davitrac	Aluminium	29.5	286819
Transport bag	Textile	0.5	84582



Made in France

The trolley for Davitrac – Davimast is designed for the safe and ergonomic transport of davitrac or davimast confined-space anchor points to the working area. It can be used by one operator easily, reducing the amount of effort required.

It is made of carbon steel, coated with an anti-corrosion painting. On the inner part of the transport arm there is a silicon layer, to protect the painting and reduce the risk of scratching and wearing.

It has two independent rubber wheels, which allows its operation on any type of ground.

Model	Product Code
Trolley for Davitrac / Davimast	210618





Made in France

## Blocfor with bracket for Davitrac

Automatic fall arrester (**EN360**) with rope (galvanised or stainless steel), with integrated winch rescue (**EN1496**).

Can be easily integrated on the davitrac, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools.

- Integrate winch : Automatic fall protection device with integrated winch for ascending or descending during a possible rescue operation.
- Shock-absorption system ESD : is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- The Blocfor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davitrac.

Model	Weight (kg)	Length (cm)	Product Code
Blocfor 20R galva ESD with bracket for Davitrac - 150kg range	15.6	18	84122
Blocfor 20R inox with bracket for Davitrac - 100kg range	15.6	18	84132
Blocfor 30R galva ESD with bracket for Davitrac - 150kg range	24	30	84142
Blocfor 30R inox with bracket for Davitrac - 100kg range	24	30	84152



Made in France

## CaRol R with bracket for Davitrac

Rescue winch compliant with **EN 1496**, with a maximum load of 150 kg.

Carol R winch 150kg also meets the requirements of hoisting winches with a maximum load of 250 kg (**Directive 2006/42/CE**).

Can be easily integrated on the davitrac, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools. Can also be used for lifting materials with a capacity of 250kg.

- Available cable lengths of 20m and 30m
- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davitrac.

Model	Weight (kg)	Product Code
CaRol R 250kg with 20m of galvanized cable and bracket for Davitrac	28.9	286949
CaRol R 250kg with 30m of galvanized cable and bracket for Davitrac	36.1	286959

## Scafor with bracket for Davitrac

Rescue winch compliant with **EN 1496**, with a maximum load of 150 kg.

Scafor also meets the requirements of hoisting winches with a maximum load of 500 kg (**Directive 2006/42/CE**).

Can be easily integrated on the davitrac, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools. Can also be used for lifting materials with a capacity of 500kg. Thanks to its pass-through cable winch technology, it permits the installation of very long cables of more than 30m.

- The Scafor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the Davitrac.

*To secure the work of an operator on a length greater than 30m, use a Stopfor fall arrester with a suitable length of rope.*

Model	Weight (kg)	Product Code
Scafor R 500kg without cable - with bracket for davitrac	13.6	293019
Galvanized wire rope - Ø 6, 5mm - 20m - equipped with M47 - for Scafor	5	245899
Galvanized wire rope - Ø 6, 5mm - 30m - equipped with M47 - for Scafor	6.8	245909
Galvanized wire rope - Ø 6, 5mm - 40m - equipped with M47 - for Scafor	8.6	245919
Galvanized wire rope - Ø 6, 5mm - 50m - equipped with M47 - for Scafor	10.5	245929
Galvanized wire rope - Ø 6, 5mm - 60m - equipped with M47 - for Scafor	12.3	286929
Galvanized wire rope - Ø 6, 5mm - 70m - equipped with M47 - for Scafor	14.1	286939



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Made in France

## CaRol TS 500 - lifting materials - with 18m of galvanized cable and bracket for Davitrac

Manual designed for simple lifting and pulling applications **(2006/42/CE)**.

Can be easily integrated on the davitrac, without tools.

- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davitrac.

Model	Product Code
CaRol TS 500 - with 18m of galvanized cable and bracket for Davitrac	286989



Made in France

## CaRol MO with console for Davitrac - lifting materials

Electric winch designed for simple lifting and pulling applications **(2006/42/CE)**, ideal to replace a manual winch.

Can be easily integrated on the davitrac, without tools.

- Drum in mechanically welded steel
- Limit switch
- Capacity : 500kg max (depending of the model)
- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davitrac.

Model	Product Code
CaRol MO 500 - lifting materials - with 13m of galvanized cable and bracket for Davitrac	293009



## Tralift

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

- Compact and lightweight
- Robust design with cast steel safety catches
- Easily portable for use anywhere
- Swivel hook with overload indication and robust cast steel safety catches

Model	Product Code
Tralift 500kg - 10m	286849

## Permanent adapters for Davitrac

### Permanent adapters



Mounted floor adapter



Clearance mural adapter



Flush floor adapter



Wall mounted adapter

Model	Material	Weight (kg)	Product Code
Mounted floor adapter	Galvanised steel	12.7 kg	210108
Clearance mural adapter	Galvanised steel	18.7 kg	210128
Flush floor adapter with protective cap	Galvanised steel	10.7 kg	210138
Wall mounted adapter	Galvanised steel	13.7 kg	210118
Mounted floor adapter   Stainless steel	Stainless steel	13.4 kg	218008
Clearance mural adapter   Stainless steel	Stainless steel	15.6 kg	218018
Protective cap for adapters	Plastic	0.2 kg	294129

## Portable H base self-stabilizing for Davitrac

Model	Material	Weight (kg)	Product Code
Portable H base self-stabilizing	Aluminium	53 kg	210098





# Davimast



Made in France

## Davimast

davimast is a complete solution for safe vertical lifting of person and material in confined spaces situation.

Mobile and efficient solution for rescue situations, it offers protection and total mobility for two people simultaneously, during work involving risk of falling.

Its compatibility with the Tractel® tool range allows a large number of possible configurations.

Model	Product Code	Model Name
Davimast - mast	210188	Davimast - mast

Model	Product Code
Bag for Davimast	68752



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## Davimast equipped with 2 anchor points 360° to secure persons

### Technical characteristics:

- Anchor point with a maximum capacity of 2 operators of 150 kg each.
- Bracket equipped with 2 anchor points 360°.
- Lightweight, easy storage, transport and set-up
- No tools required for assembly
- Uses the same bases as the davitrac (except self-stabilizing base)

Model	Product Code
Davimast - mast	210188
bracket with 2 anchor points	210198

## Davimast equipped with Blocfor R fall arrest and rescue system

Automatic fall arrester (**EN360**) with rope (galvanised or stainless steel), with integrated winch (**EN1496**).

Can be easily integrated on the davimast, without tools.

Anchor point with a maximum capacity of 2 operators of 150 kg each.

- Integrate winch : Automatic fall protection device with integrated winch for ascending or descending during a possible rescue operation.
- Shock-absorption system ESD : is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- The blocfor™ cable is guided by equipped pulleys with an anti-jump cable fixed on the head of davimast.

### Technical characteristics:

- Anchor point with a maximum capacity of 2 operators of 150 kg.
- Bracket equipped with blocfor™ R (automatic fall arrester with rescue winch 20m or 30m length)
- Bracket equipped of 1 PPE anchor point 150kg (allows person staying on surface to be secured)
- Lightweight, easy storage, transport and set-up
- No tools required for assembly
- Same bases than davitrac (except self-stabilizing base)

### Standards:

- EN 795-A : 2012 (bracket + base anchor point)
- CEN/TS 16415:2013-B (bracket + base multiuser).
- EN 1496 / EN 360 ( blocfor™ R)

Model	Product Code
Davimast - mast	210188
Blocfor 20R galva ESD with bracket for Davimast - 150kg range	84362
Blocfor 20R inox with bracket for Davimast - 100kg range	84372
Blocfor 30R galva ESD with bracket for Davimast - 150kg range	84382
Blocfor 30R stainless steel with bracket for Davimast - 100kg range	84392



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## Davimast with CaRol TS 250 winch for lifting material

### Machine directive 2006/42/CE - EN795-A - CEN/TS 16415

Carol winch 150kg also meets the requirements of hoisting winches with a maximum load of 250 kg (**Directive 2006/42/CE**).

Can be easily integrated on the davimast, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools. Can also be used for lifting materials with a capacity of 250kg.

- Available cable lengths of 20m and 30m
- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the davimast

#### Technical characteristics:

- Bracket equipped with Carol winch TS250: WLL 250kg / 20 m or 30 m length
- Bracket equipped of 1 PPE anchor point 150 kg
- Lightweight, easy storage, transport and set-up
- No tools required for assembly
- Uses the same bases as the davitrac (except self-stabilizing base)

Model	Product Code
Davimast - mast	210188
CaRol TS 250kg with 20m of galvanized cable galva and bracket for davimast	293799
CaRol TS 250kg with 30m of galvanized cable galva and bracket for davimast	293809



## Davimast equipped with 2 anchor points 360° for horizontal lifeline

#### Technical characteristics:

- Anchor point with a maximum capacity of 2 operators of 150 kg each connected directly on the PPE anchor point 360°.
- Bracket equipped with 2 anchor points 360° has braking load  $R \leq 1500 \text{ daN}$
- Can be used with temporary lifeline tempo 3 with 3 users of 150 kg connected on the lifeline.
- Lightweight, easy storage, transport and set-up.
- No tools required for assembly
- Same bases than davitrac (except self-stabilizing base)

#### Standards:

- EN 795-A : 2012 (bracket + base anchor point)
- CEN/TS 16415:2013-B (bracket + base multiuser)

Model	Product Code
Davimast - mast	210188
bracket with 2 anchor points	210198
Tempo III kit	62862



## Permanent adapters for Davitrac

### Permanent adapters



Mounted floor adapter



Clearance mural adapter



Flush floor adapter

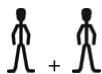


Wall mounted adapter

Model	Material	Weight (kg)	Product Code
Mounted floor adapter	Galvanised steel	12.7 kg	210108
Clearance mural adapter	Galvanised steel	18.7 kg	210128
Flush floor adapter with protective cap	Galvanised steel	10.7 kg	210138
Wall mounted adapter	Galvanised steel	13.7 kg	210118
Mounted floor adapter   Stainless steel	Stainless steel	13.4 kg	218008
Clearance mural adapter   Stainless steel	Stainless steel	15.6 kg	218018
Protective cap for adapters	Plastic	0.2 kg	294129

## EN795-B - Machine directive 2006/42/CE

Tracpode 150 kg is a temporary anchor point.



It is tested to stop the fall of two operators weighing 150 kg each; including the weight of their equipment and tools. It allows two users to work safely.

It may also be used as an anchor point for lifting with the ability to lift a maximum load of 500 kg.

It can be folded up and it is small enough to be transported in light "site vehicles". It is easy to handle.

The Tracpode 150 kg is intended for persons who need to access confined spaces such as storage silos, sewers, etc.

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# Tracpode

## Tracpode

- Adjustable to 1.53m - 1.72m - 1.91m - 2.10m - 2.29m - 2.48m (mas height)
- Width (depending of the height choosed) : 1.20m - 1.33m - 1.46m - 1.59m - 1.72m - 1.85m

Model	Weight (kg)	Product Code
Tracpode	23	273739
Tracpode + PPE pulley kit	24,38	273749
Tracpode + 2 PPE pulley kits	25,76	273769
Tracpode + 1 PPE pulley kit + 1 lifting pulley kit	25,76	273779
Tracpode + 2 PPE + 1 lifting pulley kits	27,14	273789
PPE pulley kit	1,38	196968
Lifting pulley kit	1,38	196958

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## Tracpode - short model

- Adjustable to 1.28m - 1.47m - 1.66m - 1.85m - 2.04m - 2.23m (mas height)
- Width (depending of the height choosed) : 1.01m - 1.15m - 1.28m - 1.41m - 1.54m - 1.67m

Model	Product Code
Tracpode - short model	278039
Tracpode + PPE pulley kit	278049
Tracpode + 2 PPE pulley kits	278059
PPE pulley kit	196968
Lifting pulley kit	196958

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## Bag : tracpode

Model	Product Code
tracpode canvas bag	31572





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## Blocfor with bracket for Tracpode

### EN360 - EN1496 - CNB/P/11.062

Automatic fall arrester (**EN360**) with rope (galvanised or stainless steel), with integrated winch (**EN1496**).

Can be easily integrated on the Tracpode, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools.

- Integrated winch : Automatic fall protection device with integrated winch for ascending or descending during a possible rescue operation.
- Shock-absorption system ESD : is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- The Blocfor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of tracpode.

Model	Weight (kg)	Product Code
Blocfor 20R - galvanised - 150kg range - without bracket	7.6	75492
Blocfor 20R I - stainless steel - 100kg range - without bracket	7.6	28612
Blocfor 30R - galvanised - 150kg range - without bracket	14.3	75502
Blocfor 30R I - stainless steel - 100kg range - without bracket	14.3	42972
Blocfor leg bracket	3	200368



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## CaRol R with bracket for Tracpode

### EN1496 - CNB/P/11.062 - 2006/42/CE

Rescue winch compliant with **EN 1496**, with a maximum load of 150 kg.

Carol R winch 150kg also meets the requirements of hoisting winches with a maximum load of 250 kg (**Directive 2006/42/CE**).

Can be easily integrated on the tracpode, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools. Can also be used for lifting materials with a capacity of 250kg.

- Rescue winch.
- Lifting material winch.
- 250 kg capacity for materials handling
- 5 mm galvanised  $\varnothing$  cable length available in 20 m and 30 m.
- Rotation-resistant wire rope
- Can be used for work in suspension, if you use a second safety fall arrest conforming to EN 360
- The winch cable is guided by equipped pulleys with an anti-jump cable fixed on the head of tracpode.

Model	Product Code
CaRol 20 + leg bracket + 20m cable	280589
CaRol 30 + leg bracket + 30m cable	280599

# Tracpode

Accessories: safety & rescue

## Derope with bracket for tracpode

### EN341 - EN1496

Derope is a descent device (**EN341**) with recovery winch (**EN 1496**).

The Derope descent device is a controlled speed descent evacuation system.

Can be easily integrated on the tracpode, without tools. Thanks to its conception, it permits the installation of very long cables of more than 30m.

It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters, if the operator is equipped with a fall arrester.

- The braided rope is guided by pulleys equipped with an anti-jump cable fixed on the head of Tracpode



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Model	Product Code
Derope with bracket for tracpode	87498
Rope (1m)	50962

## Drill attachment

The UP range is equipped with a drill attachment for use with a battery operated drill of 14 V, 300 W.

The Derope UP descender can be used with a battery powered drill, opening up many more applications for the product.

- The drill attachment enables the fast lifting of a person over a great height in a rescue operation or vertical displacement. It is recommended for companies that work in silos, tanker vats, drains, etc.
- The Derope UP descender can be used to move rope access technicians and raise them, effortlessly, to a greater height. It is ideal for window cleaners, bill stickers and aerial installers.





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## Scafor with bracket for Tracpode

### EN 1496 - 2006/42/CE

Rescue winch compliant with **EN 1496**, with a maximum load of 150 kg.

Scafor also meets the requirements of hoisting winches with a maximum load of 250 kg (**Directive 2006/42/CE**).

Can be easily integrated on the leg of Tracpode, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools. Can also be used for lifting materials with a capacity of 250kg. Thanks to its pass-through cable winch technology, it permits the installation of very long cables of more than 30m.

- The Scafor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of the Tracpode.

*To secure the work of an operator on a length greater than 30m, use a Stopfor fall arrester with a suitable length of rope.*

Model	Product Code
Scafor 250kg without cable - with bracket for tracpode	251079
Galvanized wire rope - Ø 6, 5mm - 20m - equipped with M47 - for Scafor	245899
Galvanized wire rope - Ø 6, 5mm - 30m - equipped with M47 - for Scafor	245909
Galvanized wire rope - Ø 6, 5mm - 40m - equipped with M47 - for Scafor	245919
Galvanized wire rope - Ø 6, 5mm - 50m - equipped with M47 - for Scafor	245929
Galvanized wire rope - Ø 6, 5mm - 60m - equipped with M47 - for Scafor	286929
Galvanized wire rope - Ø 6, 5mm - 70m - equipped with M47 - for Scafor	286939

## Tracrod 150 kg

### EN795-A - CEN/TS16415 (2 users)

The Tracrod 150 kg anchor rod is a transportable anchor point which enables two operators, each weighing up to 150 kg operator + harness + tool, to work in safety.

To install it ready for use, the Tracrod 150 kg anchor rod is inserted into a stainless steel support mount which is secured in place permanently at the place of work.

The Tracrod anchor rod can be disassembled. Its compact dimensions and light weight means that it can be transported in small vehicles and is easy to handle.

tracrod 150 kg anchor rod is intended for persons who need to gain access via manholes to structures such as storage silos, sewers, etc.

The head of the Tracrod 150 kg anchor point is equipped with 2 anchors points.

As an option, it can be fitted with a bracket to support a Blocfor 20R or 30R

The Tracrod Handle bar is an accessory that attaches to the Tracrod.

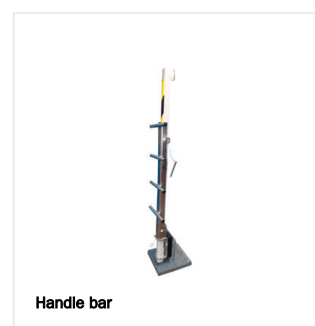
It improves the access to the manhole by providing additional handles while entering or exiting.



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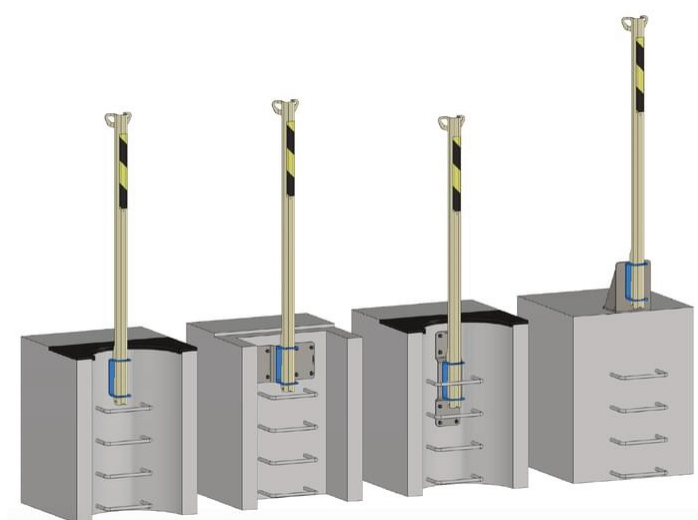
Tracrod 150 kg anchor rod



Handle bar



Tested to stop the fall of  
2 users, 150 kg



**Image 1 :** Support mount (207118)

**Image 2 :** Securing plate (207368)

**Image 3 :** Universal low density structure base (round or square look) (210588)

**Image 4 :** Chair base (210598)





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## Blocfor with bracket for Tracrod

### EN360 - EN1496 - CNB/P/11.062

Automatic fall arrester (**EN360**) with rope (galvanised or stainless steel), with integrated winch (**EN1496**).

Can be easily integrated on the Tracrod, without tools.

Allows to secure an operator up to 150 kg, equipped with his tools.

- Integrated winch : Automatic fall protection device with integrated winch for ascending or decending during a possible rescue operation.
- Shock-absorption system ESD : is also a fall indicator, eliminating the risk of using the device after a fall. It ensures that the user will not be subjected to an impact of more than 600 daN even if the fall occurs when the cable is fully unwound.
- The Blocfor cable is guided by equipped pulleys with an anti-jump cable fixed on the head of Tracrod.

Model	Weight (kg)	Product Code
Blocfor 20R galva ESD with bucket for Tracrod - 150kg range	16.5	81492
Blocfor 20R stainless steel with bracket for Tracrod - 100kg range	16.5	84412
Blocfor 30R galva ESD with bucket for Tracrod - 150kg range	24.5	81502
Blocfor 30R stainless steel with bracket for Tracrod - 100kg range	24.5	84422
blocfor™ bracket	-	207108

# FABA System A12

Fall arresters on rail for sewerod access



The FABA A12 System has been on the market since 1995. It is a logical evolution of the FABA A11 System but a lighter and smaller version. The design of the safety rail and carriages is asymmetrical and guarantees that the carriages are always used in the right direction.

- Dimensions rail profile: 48 x 32 x 3 mm
- Material: Hot-dipped galvanised steel or stainless steel (1.4571)
- Design: Ladder with central upright or just rail
- Spacing in between stops: 40 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight and welded on the back of the rail
- Width of the ladder: 380 mm
- Primary lengths: 5600 and 2800 mm
- Adjustment lengths: 560, 840, 1120, 1400, 1680, 1960, 2240, 2520, 3080, 3360, 3640, 3920, 4200, 4480, 4760, 5040 and 5320 mm
- Maximum distance between fixings: 1400 mm for the ladder and 1960 mm for the rail.



# "Confined space" range



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## Harness HT55 Confined Space

EN 361



The HT55 harness can be used for confined space. It is particularly suited for use with a respiratory system which slides easily onto the belt.

Enhanced comfort is ensured by the back XPad, the mountaineering-type thigh straps, and the linkage between the shoulder straps and thigh straps by connecting buckles.

The harness is very easy to slip on as it opens fully at the front with the X-Pad preserving the harness form.

- Universal and very comfortable harness, automatic with extra comfort for long periods of work
- 1 dorsal with a big forged D anchorage to eliminate the risk of carabiner disconnection
- 1 sternal anchorage
- 1 special belt for respiratory system
- 1 comfort sub-pelvic strap
- Sliders for strap adjustment. Cannot be removed for security reasons
- 3 adjustment points
- Independent mountain leg strap High-comfort
- X-pad comfort back pad: Breathable and flexible - it gives the harness shape to make it easier to put on.
- Fall indicator in each anchorage
- Label holder



	S	M	XL
HT55 AE Confined space	83902	83912	83922

# Pro series

## Harness HT22R

EN361 - EN1497

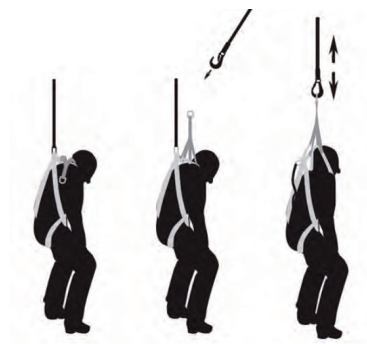


Universal harness with standard buckles and rescue straps.

The HT22R is a harness specifically designed to rescue an operator working in a confined space. It is equipped with an emergency strap attached to the shoulder straps. This strap allows the operator to be raised in a perfect vertical position which facilitates the exit of the body through the manhole.

- 1 dorsal anchor point.
- 1 sternal anchorage point in textile loop.
- 1 sub-pelvic strap.
- 5 adjustment loops.

	S	M	XL
HT22R - Standard buckles	44952	44962	44972



Comfort	<div></div>
Frequency of use	<div></div>
Integrated options	<div></div>

## HT9 Evacuation triangle

EN1497

Special harness for evacuation operations, easy to install, even with a person lying on the ground.

Due to its 3 adjustment settings, the HT9 can be used with both children and adults.

- EN 1497.

Model	Product Code
HT9 Evacuation Harness	17622







# Lifeline



# Temporary lifelines

EN 795 B/C - 2012

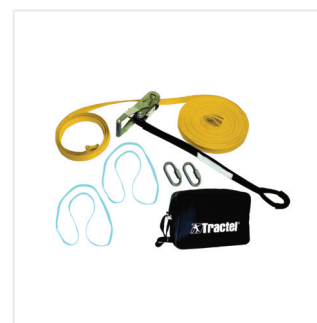
## Tempo 2 - Temporary Lifeline

### EN795 - CEN/TS16415

Tempo 2 is a temporary lifeline, easy and quick to install when there are two anchoring points offering sufficient resistance (28 kN). Lightweight, it allows total freedom of horizontal movement. The Tempo 2 lifeline can be installed on the ridge tiling of a roof or onto a metal structure.

- Synthetic fibre webbing straps, adjustable from 5 to 20 m.
- Can be used by 2 people.
- 7 metres clearance.
- Supplied with 2 AS30S webbing strap rings, 2 MR9 connectors and a shoulder bag.

Model	Product Code
Tempo 2 kit	206018



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## Tempo 3 - Braided Rope - Temporary Lifeline

### EN795-B - CEN/TS16415

Tempo 3 is a compact, temporary lifeline, and is the fastest, most efficient lifeline available on the market.

Using a static rope line, N.G.R reinforced, and a tensioning system, the tempo 3 allows for simultaneous use by 3 users. This lifeline offers the possibility of setting up a temporary lifeline with a maximum length of 18 metres between two anchor points of sufficient strength (15 kN).

- Static rope line, N.G.R reinforced, adjustable from 5 to 18 m.
- Supplied with two AS30S webbing strap rings, 2 M10 connectors and a shoulder bag.

Model	Product Code
Tempo III kit	62862



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# Temporary lifelines

EN 795 B/C - 2012



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## Tirsafe Wire Rope Temporary Lifeline

### EN795 - CEN/TS16415

Tirsafe T3 is a temporary lifeline that is easy and quick to install when there are two anchoring points offering sufficient support (30 kN). It allows for total freedom of horizontal movement. Adjustable from 5 to 30 m.

The Tirsafe T3 temporary lifeline includes:

- 1 anchoring point with Tirsafe T3 energy shock-absorber.
- 1 tirfor T3 cable winch.
- 2 x 2 metre slings.
- The Tirsafe T3 temporary lifeline guarantees the safety of 3 people.

Model	Description	Product Code
Tirsafe kit	with a 20m, 8.3 mm diameter cable	280559
Tirsafe kit	with a 30m, 8.3 mm diameter cable	276149

# Permanent lifelines

EN 795-C:2012, CEN/TS 16415:2013

Permanent lifelines are part of fall arrest systems when they are used as the anchor solutions. As an anchor solution, their certification is related to the norm EN 795 of 2012 for single user and CEN/TS 16415 of 2013 for multi users.

Permanent lifelines are designed to stop the fall of one (or more, as specified below) users and to absorb part of the energy transmitted to the supporting structure. When used as a part of a fall arrest system, the user must always wear a safety harness and a fall arrester with shock absorber limiting the impact of the fall to 600daN on his body.

Tractel offers a wide range of permanent lifelines including a rigid rail solution to suit best each application.

	Travsafe	Travrail	Travflex 2	Travsmart	Travspring	Travspring One
<b>Intermediate anchor crossing (Comfort of use)</b>	Excellent, away from the lifeline	Excellent, away from the lifeline	Good, away from the lifeline	Good, away from the lifeline	Manual and near to the lifeline	Manual, near to the lifeline & disconnecting from the lifeline
<b>Lifeline length</b>	Up and above 200m		Up to 200m			
<b>Frequency of use</b>	Daily		Regular		Occasional	
<b>Sliders availability</b>	Standard, Opening, Rollsafe for overhead	Standard, Rolling/rope access, Rope access for wall	Bi-directional slider <sup>3</sup>		Not available	
<b>Installation type</b>						
Overhead	☐	☐	-	☐	-	-
Wall and floor	☐					
<b>Distance between anchor<sup>1</sup></b>	30 m	6 m	15 m			
<b>Deflection of the lifeline<sup>1</sup></b> (Configuration: 5x 15m, 1 user 150kg)	1,4 m (with bi material absorber ring 2.94 m)	0 m (with 6m between brackets)	3 m	2,8 m	2,8 m	2,8 m
<b>Force on end anchor<sup>1</sup></b> (Configuration: 5x 15m, 1 user 150kg)	High 28 kN	Low 7 kN <sup>2</sup>	Lowest 6 kN	Low 7 kN	Medium 10 kN	Medium 10 kN
<b>Specific installation</b>	Heavy structure	Standard structure	Lightweight structure	Standard structure		
<b>Maximum of simultaneous user</b>	3 x 150 kg or 5 x 100 kg	3 x 100 kg	2 x 150 kg or 3 x 100 kg	3 x 150 kg or 5 x 100 kg		
<b>Main material</b>	Stainless steel or galvanised steel	Aluminium	Stainless steel or galvanised steel			Galvanised steel

<sup>1</sup> (depending on the specific configuration of the lifeline)

<sup>2</sup> (irrelevant of the number of simultaneous user with max weight of 100 kg)

<sup>3</sup> (switch from one side to the other side of the wire rope without disconnecting)



# Travsafe

Twin cables lifeline



Tested to stop the fall of  
3 users, 150kg

OR



5 users, 100kg



## EN795-C - CEN/TS16415

The new Travsafe lifeline is an evolution of the previous version. It complies with the European norm EN795-C and the CEN/TS16415 for multi-user. The Travsafe lifeline with its two cables is the most efficient and sophisticated lifeline on the market.

As an extension of Tractel High Capacity Range, the Travsafe lifeline is now certified for user weighing up to 150kg including all their equipment.

This lifeline is certified for a simultaneous use for a maximum of 5 users 100kg or 3 users 150kg.

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travsafe lifeline. All lanyards certified EN 355 can be used with the Travsafe lifeline.

Thanks to its specific design, the slider easily moves past the intermediate cable brackets, with no need for any manual intervention.

Two versions are now available:

- Travsafe with stainless steel shock absorber rings
- Travsafe with two-material shock absorber ring

These two Travsafe lifeline versions are designed for overhead, on wall or ground installations. The anchors can be installed on any structure or by using post interfaces. Intermediate anchors must be positioned no more than 15 meters apart.

When configured in stainless steel (anchors, wire ropes and absorber rings), the Travsafe offers the possibility to have a distance between anchors from **0.8m to 30m** in both single span and multi spans configuration.

The Travsafe is particularly well suited for long applications (over 200m). On overhead application, the Rollsafe slider ensures a smooth gliding of any fall arrester (including heavy self-retracting block) on the twin system.

For more information please contact Tractel.





The Travsmart lifeline complies with the European norm EN795-C and the CEN/TS16415 for multi-user.

As an extension of Tractel High Capacity Range, the Travsmart lifeline is now certified for user weighing up to 150kg including all their equipment.

This lifeline is certified for a simultaneous use for a maximum of 5 users 100kg or 3 users 150kg.

Intermediate anchors must be positioned no more than 15 meters apart.

In single span configuration (without intermediate anchor), Tractel has certified the travsmart lifeline with a maximum distance between end anchors of **30m**!

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travsmart lifeline. All lanyards certified EN 355 can be used with the Travsmart lifeline.

Travsmart is the most polyvalent lifeline of Tractel' portfolio. The Travsmart lifeline is certified for the following installation: overhead, on a wall, on an inclined surface up to 15°, on the ground or on a post.

The Travsmart lifeline advantages:

## MEETS THE USER'S NEEDS:

- Choices of installations and uses (ergonomics).
- Automatic anchor crossing thanks to the travsmart slider.
- The user can work on either side of the lifeline without the need to disconnect (improved safety).
- Wire rope available in galvanised steel or stainless steel.

## MEETS THE INSTALLER'S NEEDS:

- No special tools are required for the installation of the lifeline.
- Thanks to the wedge socket, the risk of the cable clamp nuts coming loose over time is fully eliminated.
- Quick and easy installation of the lifeline thanks to the design of the intermediate anchor.
- In the event of a fall, there is no need to fully dismantle the lifeline. Simply loosen the cable to remove and reinstall the failed intermediate supports (installation time reduced).

For more information please contact Tractel.



Tested to stop the fall of  
3 users, 150kg

OR



5 users, 100kg







Made in France\*

Start kits and kits allow you to have the basic elements to build your lifeline.

Then add the length of cable needed for your project, as well as two end anchors.

If applicable, you should also incorporate compatible intermediate anchors and turn kits.

Don't forget your Travsmart slider.

Model	Product Code
Kit travsmart stainless steel 150kg	277167
Start kit stainless steel	57262
Additional meter of stainless steel wire rope	277137
travsmart slider	251349

\* except additional meter of cable

Model	Product Code
kit travsmart galvanised 150kg	277157
Start kit galvanised	57252
Additional meter galvanised wire rope	238497
travsmart slider	251349

\* except additional meter of cable

Model	Product Code
travsmart end anchor for ground, wall and overhead	193897
End anchor for post	66698

\* except additional meter of cable

Model	Product Code
travsmart standard intermediate anchor	193847
travsmart overhead intermediate anchor	193857
travsmart standard corner kit	193867
travsmart overhead corner kit	193877
travsmart corner plate for standard corner kit on post	193887
Additional sign plate	277127

\* except additional meter of cable

Example:

**I would like to install a travsmart lifeline with stainless steel cable for wall application, 45m.**

I have to order :

- 1 kit travsmart stainless steel
- 1 start kit stainless steel
- 40 meters of stainless steel wire rope (start kit has already 5 m of wire rope)
- 2 travsmart end anchors for ground, wall and overhead
- 2 intermediate anchors
- 1 travsmart slider

# Travflex 2



The new Travflex 2 lifeline is an evolution of the previous version. It complies with the European norm EN795-C and the CEN/TS16415 for multi-user.

As an extension of Tractel High Capacity Range, the Travflex 2 lifeline is now certified for user weighing up to 150kg including all their equipment.

This lifeline is certified for a simultaneous use for a maximum of 3 users 100kg or 2 users 150kg.

Intermediate anchors must be positioned no more than 15 meters apart.

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travflex 2 lifeline. All lanyards certified EN 355 can be used with the Travflex 2 lifeline.

Travflex 2 is the dedicated Tractel lifeline for light structure. Combined with the universal plate, it can be installed on a large range of light structures such as steel deck, sandwich panel and standing seam.

The Travflex 2 lifeline is certified for the following installation: on a wall, on an inclined surface up to 15° or on the ground.

The Travflex 2 lifeline advantages:

## MEETS THE USER'S NEEDS:

- Choices of installations and uses (ergonomics).
- Automatic anchor crossing thanks to the travsmart slider.
- The user can work on either side of the lifeline without the need to disconnect (improved safety).
- Wire rope available in galvanized steel or stainless steel.

## MEETS THE INSTALLER'S NEEDS:

- No special tools are required for the installation of the lifeline.
- Thanks to the wedge socket, the risk of the cable clamp nuts coming loose over time is fully eliminated.
- Quick and easy installation of the lifeline thanks to the design of the intermediate anchor.
- In the event of a fall, there is no need to fully dismantle the lifeline. Simply loosen the cable to remove and reinstall the failed intermediate supports (installation time reduced).

The kits Travflex 2 include two end anchors respectively in stainless steel or galvanised steel.

For more information please contact Tractel.



Tested to stop the fall of  
2 users, 150kg

OR



3 users, 100kg



# Travflex 2



Made in France\*

Start kits and kits allow you to have the basic elements to build your lifeline.

Then add the length of cable needed for your project.

If applicable, you should also incorporate compatible intermediate and turn anchors.

Don't forget your slider.

Model	Product Code
Kit travflex™ 2 stainless steel	293639
Start kit stainless steel	57262
Additional meter of stainless steel wire rope	277137
Travsmart / Travflex II slider	251349

\* except additional meter of cable

Model	Product Code
Kit travflex™ 2 galva	293629
Start kit galvanised 5M	57252
Additional meter galvanised wire rope	238497
Travsmart / Travflex II slider	251349

\* except additional meter of cable

Model	Product Code
Intermediate anchor	100398
Curve kit stainless steel for installation on concrete	100628
Curve kit stainless steel for installation on plate	100418
Curve kit galvanised for installation on concrete	100618
Curve kit galvanised for installation on plate	100408
Additional sign plate	277127
Riveter machine	100568

\* except additional meter of cable

Exemple:

**I wish to install a Travflex 2 lifeline with galvanized cable for application on rigid structure, 45 m.**

I have to order :

- 1 kit Travflex 2 galva
- 1 start kit galva
- 40 meters of galva cable (start kit has already 5 m of cable)
- 2 Intermediate anchor
- 1 slider

# Travflex 2

Universal plate



## Universal mounting plate for Travflex 2 on light structures

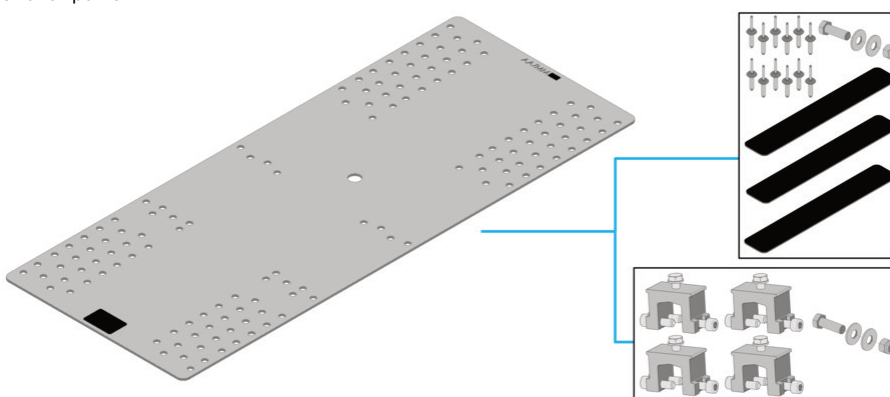
The universal plate is designed to be installed on light structures for our Travflex 2 lifeline and ringflex anchor point. There are two versions available, depending on the intended use:

- Plate for extremity & intermediate bracket or anchor point.
- Plate for curved bracket.

The plate can be mounted on a wide range of roofs:

- Metal sheet roofing.
- Sandwich panel.
- Aluminium standing seam.

Depending on the application, the plate is supplied with a set of 4 clamps or a set of 12 rivets.



Model	Product Code
Extremity & intermediate universal plate in stainless steel	206888
Extremity & intermediate universal plate in galvanized steel	207788
Curve universal plate in stainless steel	206878

Made in France

Model	Product Code
Kit 4 clamps + 1 bolt M16	232577
Kit 12 rivets + rubber sealing bands + 1 bolt M16	232587

### Delivery

Every universal plate is supplied with the installation manual

Both the 4 clamp kit and the 12 rivet kit are delivered with 1x screw HM16, 2x M16 washers, 1x M16 locknut.





# Travspring



Tested to stop the fall of  
3 users, 150kg

OR



5 users, 100kg



The Travspring lifeline complies with the European norm EN795-C and the CEN/TS16415 for multi-user.

As an extension of Tractel High Capacity Range, the Travspring lifeline is now certified for user weighing up to 150kg including all their equipment.

This lifeline is certified for a simultaneous use for a maximum of 5 users 100kg or 3 users 150kg.

When configured with one INRS absorber, intermediate anchors can be positioned from **1.8 to 28.5m**. In a configuration with 2 INRS absorbers, intermediates must be positioned no more than 15 meters apart.

In single span configuration (without intermediate anchor), Tractel has certified the Travspring lifeline with a maximum distance between end anchors of **30m!**

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travspring lifeline. All lanyards certified EN 355 can be used with the Travspring lifeline.

Travspring is a simple yet engineered solution. It is designed to be proximity lifeline as the intermediate anchor must be crossed manually.

The Travspring lifeline is certified for the following installation: on a wall, on an inclined surface up to 15°, on the ground or on a post. In addition, in a single span configuration, Travspring can be installed overhead.

The Travspring lifeline advantages:

#### MEETS THE USER'S NEEDS:

- Proximity lifeline
- Choices of installations and uses (ergonomics).
- The user can work on either side of the lifeline without the need to disconnect (improved safety).
- Wire rope available in galvanised steel or stainless steel.

#### MEETS THE INSTALLER'S NEEDS:

- No special tools are required for the installation of the lifeline.
- Thanks to the wedge socket, the risk of the cable clamp nuts coming loose over time is fully eliminated.
- Quick and easy installation of the lifeline thanks to the design of the intermediate anchor.
- In the event of a fall, there is no need to fully dismantle the lifeline. Simply loosen the cable to remove and reinstall the failed intermediate supports (installation time reduced).

For more information please contact Tractel.



# Travspring

Start kits and kits allow you to have the basic elements to build your lifeline.

Then add the length of cable needed for your project.

If applicable, you should also incorporate compatible intermediate and turn anchors.

Model	Product Code
Kit travspring™ stainless steel 150kg	276977
Start kit stainless steel	57262
Additional meter of stainless steel wire rope	277137

\* sauf mètre de câble additionnel

Model	Product Code
Kit travspring™ galva 150kg	276967
Start kit galvanised	57252
Additional meter galvanised wire rope	238497

\* sauf mètre de câble additionnel

Model	Product Code
travspring™ end anchor ground and wall	66848
End anchor for post	66698
travspring™ intermediate anchor	66868
travspring™ corner kit	66878
travspring™ corner plate	66998
Additional sign plate	277127

Exemple:

**I would like to install a travspring™ lifeline with galvanized cable for application on post, 122m, and a total of two INRS shock absorbers.**

I have to order :

- 1 kit travspring™ galva
- 1 start kit galva
- 117 meters of galva cable (start kit have already 5 m of cable)
- 2 End anchor for post
- 8 intermediate anchor
- 1 INRS absorber
- 1 Additional sign plate

## Potelets galvanisés - Section 70x70 mm

Model	Product Code
with pulley 500mm for travspring™	68478
Counter plate for square base post 250mm and 500mm	130995
Counter plate for square base post 750mm	133295

Made in France\*



Made in France\*



# Travspring one



Tested to stop the fall of  
3 users, 150kg

OR



5 users, 100kg



The new Travspring One lifeline is a derivative of the Travspring lifeline. It complies with the European norm EN792-C:2012 and the CEN/TS16415:2013 for multi-user.

It is designed as a simple and inexpensive lifeline for occasional use. The system requires a double lifeline to pass the intermediate supports and curves.

## 150kg High Capacity Range

As an extension of Tractel High Capacity Range, the Travspring One lifeline is now certified for user weighing up to 150kg including all their equipment. This lifeline is certified for a simultaneous use for a maximum of 5 users 100kg or 3 users 150kg. In order to comply with the 150 kg classification, the harness and connection (lifelines, automatic fall arrest devices or guided fall arresters with flexible anchor line) must all have a 150 kg classification.

## Specifications

Intermediate anchors must be positioned no more than 15 meters apart. In single span configuration (without intermediate anchor), Tractel has certified the Travspring lifeline with a maximum distance between end anchors of 30 meter.

The Travspring lifeline is certified for the following installation: on a wall, on an inclined surface up to 15°, on the ground or on a post. In addition, in a single span configuration, travspring™ can be installed overhead.

The system is supplied with a visual tension indicator and an in-line energy absorber.

Tractel has performed compatibility tests for all of its self-retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg on the Travspring One lifeline. All lanyards certified EN 355 can be used with the Travspring One lifeline.

## Benefits

- Thanks to the wedge socket, the risk of the cable clamp nuts coming loose over time is fully eliminated.
- No special tools are required for the installation of the lifeline.
- Few components to install.

# Travspring one

Start kits and kits allow you to have the basic elements to build your lifeline.

Then add the length of cable needed for your project.

If applicable, you should also incorporate compatible intermediate and turn anchors.

Model	Product Code
Kit travspring™ One galva 150kg	277177
Start kit galvanised	57252
Additional meter galvanised wire rope	238497

Model	Product Code
travspring™ end anchor ground and wall	66848
travspring™ One end anchor for post	87368
travspring™ One intermediate anchor for post	113297
travspring™ One intermediate anchor for wall	113247
travspring™ corner kit	66878
travspring™ corner plate	66998
Additional sign plate	277127

Exemple:

**I would like to install a travspring™ lifeline with galvanized cable, 122m.**

I have to order :

- 1 kit travspring™ One galva
- 1 start kit galva
- 117 meters of galva cable (start kit have already 5 m of cable)
- 2 End anchors
- 8 intermediate anchors

## Galvanised post

- Interface posts for the end or intermediate anchors, including curves for the travsmart, travspring™ or travspring™ one lifelines.
- 70x70 mm cross-section, made of galvanised steel.

Model	Product Code
with pulley 500mm for travspring™	68478
Counter plate for square base post 250mm and 500mm	130995
Counter plate for square base post 750mm	133295



# Interface posts for lifelines

Galvanised posts - EN 795C



Square base



Square base 20° inclined



Rectangular Base



Base plate for roof ridges

## Post with a square base plate for roof ridges 270 x 270 mm

Model	Product Code
250 mm	72008
500 mm	66888
750 mm	72298

## Post with a square base plate for roof ridges 270 x 270 mm, 20° incline

Model	Product Code
250 mm	72278
500 mm	72288

## Post with a rectangular base plate for roof ridges 352 x 160 mm

Model	Product Code
250 mm	71968
500 mm	71978
750 mm	72308

## Post with base plate for roof ridges 350 x 370 mm

Model	Product Code
250 mm	71988
500 mm	71998

For requests about post, please contact your sales department.

# Interface posts for lifelines

Insulated and galvanised posts - EN 795C

Insulated anchor posts. 70 x 70 mm cross-section, made of galvanised steel, with thermal protection. They are designed to eliminate the risk of condensation in winter when outside temperature drops below 0°C. They also help to keep your roof insulation to its optimal efficiency and reduce heat energy waste.



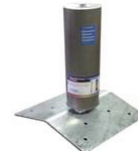
Square base



Square base 20° inclined



Rectangular Base



Base plate for roof ridges

## Post with a square base plate for roof ridges 270 x 270 mm

Model	Product Code
250 mm	186648
500 mm	186688
750 mm	186728

## Post with a square base plate for roof ridges 270 x 270 mm, 20° incline

Model	Product Code
250 mm	186658
500 mm	186698

## Post with a rectangular base plate for roof ridges 352 x 160 mm

Model	Product Code
250 mm	186668
500 mm	186708
750 mm	186738

## Post with base plate for roof ridges 350 x 370 mm

Model	Product Code
250 mm	186678
500 mm	186718

Model	Product Code
Counter plate for square base post 750mm	133295
Counter plate for square base post 250mm and 500mm	130995



# Interface posts for lifelines

Stainless steel posts - EN 795C



Square base



Rectangular base



Base plate for roof ridges

## Post with a square base plate for roof ridges 270 x 270 mm

Model	Product Code
250 mm	186808
500 mm	186838

## Post with a rectangular base plate for roof ridges 352 x 160 mm

Model	Product Code
250 mm	186818
500 mm	186848

## Post with base plate for roof ridges 350 x 370 mm

Model	Product Code
250 mm	186828
500 mm	186858

Model	Product Code
Sealing collar for post section 70 x 70 mm	129505
Back plate in galvanized steel ep. 10 mm for post 70 x 70mm height 250 and 500 mm square plate 270 x 270 mm	130995
Back plate in galvanized steel ep. 10 mm for post 70 x 70 mm height 750 mm square plate 270 x 270 mm	133295

For requests about post, please contact your sales department.

# Travrail

EN 795-D

Travrail is a horizontal rigid anchor rail. It is designed to protect workers in the event of a fall, during tasks such as cleaning or maintenance work, checking an installation or safely entering a structure. It allows the slider to move freely over the intermediate anchors, enabling the user to move easily from one side of the rail to the other.

The rail makes it possible to secure 3 people (each weighing up to 100 kg including equipment and tools) at the same time (one person per slider).

The rail can also be used as an anchor point for Rope Access work (wall and floor applications only). In this case, each user must always be equipped with 2 sliders:

- 1 for the work rope
- 1 for the safety rope

The maximum distance between brackets of the aluminium rail is 6m (3m for rope access applications). 90° bends available for wall mounting and floor/ceiling mounting. The rail can be mounted on the floor, on the wall or overhead.

Travrail features:

- Detachable end stop for inserting or retrieving sliders
- Complies with EN 795-D
- Complies with CEN/TS 16415 for 3 simultaneous users
- To be used with EN 360 retractable fall arresters
- To be used with EN 353-2 guided type fall arresters with flexible anchor line
- To be used with EN 355 energy absorbers and decelerators
- To be used with EN 361 full body harnesses

Model	Product Code
Rail aluminium 3000 mm	232665
External corner rail   aluminium	232685
Internal corner rail   aluminium	232695
Overhead corner rail   aluminium	232705
Connection rail   aluminium	232715
Fix end stop	232745
Removable end stop	232655
Bracket	232725
Expansion bracket	232785
Standard slider	232675
Overhead slider (not for fall arrest)	242485
Slider for wall suspended works	232795
Sign plate	233245
Drilling kit	232765
Rail trimming and finishing ( factory)	223326

Example:

For 8 m of rail, I order 3 rails of 3 m (3 x 232665) + a rail cutout (223326).  
Will be delivered 2 rails of 3 m and 1 rail of 2 m.



Standard slider



Rolling slider



Slider for wall suspended works



Users  
100 kg each



# Stopcable 150 kg

EN 353-1 - EN 353-2



## EN 353-1 - EN 353-2 - CNB/P/11.062

The use of a ladder to gain access to a high level workstation can pose an element of risk. The purpose of the Stopcable S system is to ensure the safety of personnel throughout their ascent. The Stopcable S vertical lifeline is a mobile anchoring device to enable a person to move on a vertical axis in perfect safety and without having to disconnect themselves. It consists of a fixed point and individual mobile equipment. The Stopcable S vertical lifeline was designed, created and tested to comply with the requirements of the EN353-1 and EN 353-2 standards.

Model	Product Code
Start kit stopcable™ stainless steel - 3m	281737
1m of cable stainless steel	281757
Start kit stopcable™ galva - 3m	281747
1m of cable galva	281767

*Fabriqu  en France*

Model	Product Code
Slider stopcable™ S 150kg	72272
counterweight	129445
Galvanised anchor	17872
Stainless steel anchor	32902
Kit of anchor for side bar	87378
diameter 27 mm	18132
diameter 34 mm	18142
tensioning device	261809
cable guide	108857
Energy shock-absorber	90049
sign plate	146465

See our harnesses, especially dedicated and patented for being used with FABA ladders



# Permanent safety ladders

## FABA system

### EN353-1

The FABA range is a fall arrest system on a rail for vertical movements. The vertical rails are separately available for mounting on an existing ladder or can be supplied with an integrated ladder. The FABA systems include accessories such as rest platforms or access blocking systems. They are built to be adapted to all types of supports. These products can be supplied in galvanized steel, stainless steel or aluminium.

FABA ladders are complete systems in which all components are aligned with each other. The rigid rail allows the user to better control the movement of the slider. Unlike cable systems, several people can climb up the ladder one after the other (with sufficient spacing). Ideal for use over long distances.

The products of the FABA range have been tested to meet the requirements of the European EN 353-1 standard. Areas of application: along towers, chimneys, tanks, bridge piers, masts, antenna supports, access to mines, pits, sludge lagoons, cat walks, dams, tank lorries, cranes, roof terraces, waste water systems, etc.

For more information please contact Tractel.



See our harnesses, especially dedicated and patented for being used with FABA ladders :



HT120



HT Easyclimb





## FABA System AL2

The FABA AL2 System has been on the market since 2000. It is based on the principle of the FABA A12 System and is suitable for material in anodised aluminum. The design of the safety rail and sliders is asymmetrical and guarantees sliders are always used in the right direction.

- Dimensions rail profile (H-shaped): 48 x 65 x 3-6mm
- Material: Anodised aluminum
- Design: Ladder with a central upright or with additional side uprights or just rail
- Spacing in between stops: 70 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight, inserted and set on the back of the rail
- Ladder width: 414 mm
- Primary lengths: 5600 and 2800 mm
- Adjustment lengths: 560, 840, 1120, 1400, 1680, 1960, 2240, 2520, 3080, 3360, 3640, 3920, 4200, 4480, 4760, 5040 and 5320 mm
- Maximum distance between fixings: 1680 mm for the ladder with central upright, 2520 mm suitable for ladder with side uprights or the rail.

For more information please contact Tractel® .



## FABA System A12

The FABA A12 System has been on the market since 1995. It is a logical evolution of the FABA A11 System but a lighter and smaller version. The design of the safety rail and carriages is asymmetrical and guarantees that the carriages are always used in the right direction.

- Dimensions rail profile: 48 x 32 x 3 mm
- Material: Hot-dipped galvanised steel or stainless steel (1.4571)
- Design: Ladder with central upright or just rail
- Spacing in between stops: 40 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight and welded on the back of the rail
- Width of the ladder: 380 mm
- Primary lengths: 5600 and 2800 mm
- Adjustment lengths: 560, 840, 1120, 1400, 1680, 1960, 2240, 2520, 3080, 3360, 3640, 3920, 4200, 4480, 4760, 5040 and 5320 mm
- Maximum distance between fixings: 1400 mm for the ladder and 1960 mm for the rail.



# FABA A12 & AL2

## Sliders



The slider is mobile component of the FABA system and is attached to the user with a carabiner. All FABA sliders are certified to the latest applicable standard (EN353-1) and comply with the European Regulation 2016/425 (PPE Regulation) with a maximum user weight of 150kg.

The following sliders are compatible with the FABA system A12 and AL2:

- AL-D
- Grip
- EZ

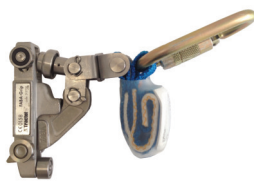
Each slider is designed for different uses according to the user needs and the following table is aimed at guiding the user's choice.

The safety rail of FABA is C-shaped rail and the sliders are gliding inside the rail. This offers the advantage of compacity of the system and increase the comfort of use as the rail and slider take less place in front of the user.

	AL-D	Grip	EZ
Frequency of use			
Occasional	V	-	V
Daily	-	V	V
Application			
Industrial use	V	-	-
Rescuer	-	-	V
Extensive climbing height	-	V	-
Confined access	V	-	V
Features			
Insertable and retrievable and at any location	-	-	V
Anti-reversibility	V	V	V
Compatibility			
A12	V	V	V
AL2	V	V	V
Connector			
Manual locking (M10)	V	-	V
Automatic tri-lock (M23)	V	V	V



AL-D



Grip



EZ



## FABA EZ 150kg

FABA EZ, simply said "easy"

- The biggest advantage and differentiator of this slider is its possibility to be inserted and retrieved at any place of a rail or a ladder,
- Thanks to its unique design, you insert or retrieve it with only one hand,
- Developed and compatible with FABA A12 & AL2,
- Introduction is only possible in the correct direction thanks to asymmetric profile,
- Robust and self mechanical locking system,
- Inside sliding,
- Good gliding,
- Available with manual (M10) or trilock connector (M23),
- User up to 150kg

Model	Product Code
FABA™ EZ 150kg M23	513878
FABA™ EZ 150kg M10	513888

### FABA AL-D 150kg

The slider FABA AL-D 150kg is conform to the latest applicable standard EN 353-1 and to the European Regulation 2016/425 and is certified for a user weighing up to 150kg.

The slider is certified and compatible with the rail and ladder of FABA A12 galvanized steel or stainless steel and the rail and ladder of FABA AL2 and its related products, the FABA AL2 Mobil and the FABA AL2 Mobil-F.

This rigid vertical fall arrester is tested to stop the fall of one operator, with its tools and equipment, weighing up to 150 kg. It enables several operators to work in safety (each operator having his own FABA AL-D slider) if there are no more than two operators within 10m and at least 3m between them.

In order to provide protection for the user up to the maximum allowed weight, all the products of the system must be HIGH CAPACITY RANGE 150 KG (**Please note:** The component with the lowest capacity always determines the maximum capacity of the entire fall arrest system. ).

Model	Product Code
FABA AL-D - M10	514008
FABA AL-D - M23	514018



### FABA Grip 150kg

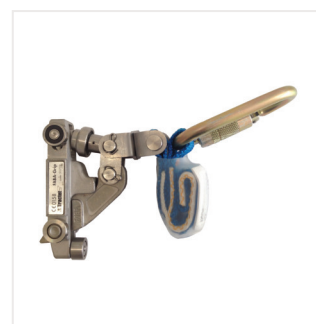
The slider FABA Grip 150kg is conform to the latest applicable standard EN 353-1 and to the European Regulation 2016/425 and is certified for a user weighing up to 150kg.

The slider is certified and compatible with the rail and ladder of FABA A12 galvanized steel or stainless steel and the rail and ladder of FABA AL2 and its related products, the FABA AL2 Mobil and the FABA AL2 Mobil-F.

This rigid vertical fall arrester is tested to stop the fall of one operator, with its tools and equipment, weighing up to 150 kg. It enables several operators to work in safety (each operator having his own FABA Grip slider) if there are no more than two operators within 10m and at least 3m between them.

In order to provide protection for the user up to the maximum allowed weight, all the products of the system must be HIGH CAPACITY RANGE 150 KG (PLEASE NOTE: The component with the lowest capacity always determines the maximum capacity of the entire fall arrest system. ).

Model	Product Code
FABA™ Grip	514408



# Temporary safety ladders



## FABA System AL2 MOBIL

### The FABA AL2 Mobil system

Safety ladder for temporary use on various structure types. The fasteners that accommodate the ladder are permanently fixed. In the standard version, wall and post clamp brackets are supplied for the posts.

### Features FABA AL2 Mobil:

- Dimensions rail profil (H-shaped): 48 x 65 x 3-6mm
- Material: Anodised aluminum
- Design: Ladder with a central upright or with additional side upright
- Spacing in between stops: 70 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight, inserted and set on the back of the rail
- Ladder width: 414 mm

### Delivery Tractel:

- Supplied in managable lengths of: 2800, 2520, 2240, 1960 and 1680 mm



## FABA System AL2 MOBIL-F

### The FABA AL2 MOBIL-F system

Designed for access to posts or masts with a circular cross-section. The fasteners are pre-installed on the ladder sections and provided with fastening straps to enable the ladder sections to be tightened and positioned directly on the post or mast.

### Features FABA AL2 MOBIL-F:

- Dimensions rail profil (H-shaped): 48 x 65 x 3-6mm
- Material: Anodised aluminum
- Design: Ladder with a central upright or with additional side upright
- Spacing in between stops: 70 mm
- Spacing in between rungs: 280 mm
- Rungs: Straight, inserted and set on the back of the rail
- Ladder width: 414 mm

### Delivery Tractel:

- Supplied in managable lengths of: 1960 and 1680 mm
- Maximum distance between fixings: 1680 mm
- Characteristics of connectors: Automatic release of the upper end stops when fitting the next Ladder section.

## FABA System A11

Introduced in 1965, the FABA A11 System is the precursor to the vertical access safety devices. The safety rail and slider designs are symmetrical. The slider can be inserted in either direction in the safety rail.

- Rail profile dimension: 68 x 56 x 2.8mm
- Material: Hot-dipped galvanised steel or stainless steel (1.4571)
- 3 versions of the FABA A11 exist:
  - Ladder with central rail,
  - Ladder with side bars,
  - Central rail or just a rail.
- Distance catching stops: 140 mm
- Distance between rungs: 280 mm
- Rungs: Inclined forward and welded on the back of the rail.
- Ladder width: 408 mm
- Primary Length: 2800 mm
- Maximum distance between fixings: 1960 mm

FABA A11 is particularly well suited for installation on round manhole. The bent rungs (20°) help to reduce the required space for the installation of the ladder and offer more place to the user.

On request, customer made solutions can be designed to fit perfectly to the installation site.

For more information please contact Tractel.



## FABA Klassik 150kg

### FABA System A11

We are introducing the new slider FABA Klassik 150kg. It is an upgrade to the actual FABA Klassik. This new version conforms to the latest applicable standard EN 353-1 and to the European Regulation 2016/425 and is certified for a user weighing up to 150kg.

This slider is a part of the process of upgrading our range of PPE fall protection products and an extension of the FABA range.

The slider is certified and compatible with the rail and ladder of FABA A11 galvanized steel or stainless steel its related accessories.

This rigid vertical fall arrester is tested to stop the fall of one operator, with its tools and equipment, weighing up to 150 kg. It enables several operators to work in safety (each operator having his own FABA Klassik slider) if there are no more than two operators within 10m and at least 3m between them.

In order to provide protection for the user up to the maximum allowed weight, all the products of the system must be HIGH CAPACITY RANGE 150 KG (Please note: The component with the lowest capacity always determines the maximum capacity of the entire fall arrest system.)



Model	Product Code
FABA Klassik M10	514208
FABA Klassik - M23	514218



# Tractelift



The Tractelift is a climb assist system that relieves the weight of single or multiple climbers while ascending and descending the wind turbine ladder. The Tractelift gives traction relief in an adjustable pulling force up to 90 lbs (40 kg).

The Tractelift is easy to install, offers a continuous run rope loop and can fit onto virtually any kind of vertical ladder. With an adjustable clutch allowing the user to choose their own pulling force, this feature gives the Tractelift more advantages over the competition. The Tractelift can be fitted with a fixed or detachable motor, depending on the user's preference.

**THE Tractelift IS NOT FALL ARRESTER EQUIPMENT.**



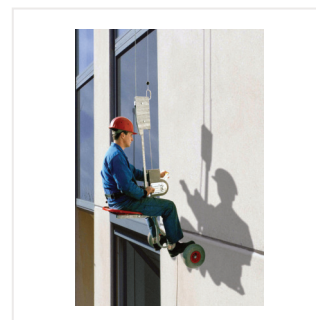
# Subito, Evak

## Subito

Manual one man seat.

- With its easy, efficient and safe operation, the subito was created specifically for working on façades (inspection, maintenance and cleaning).
- Designed for working at heights of up to 30 metres.
- When equipped with a scafor™ manual winch it is approved for lifting people.

Model	Product Code
Subito	25429
Support mount	28398
10 m galvanised cable	53809
20 m galvanised cable	53829
30 m galvanised cable	53849



## Evak 500

Manual rope winch offering unlimited travel with a 500 kg capacity

- Specially designed for rescue operations
- Static braided rope of a diameter 12.5 mm

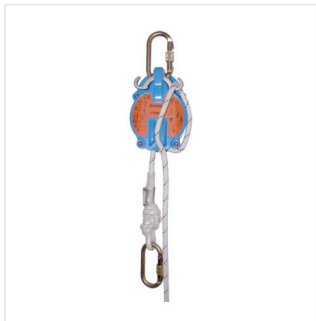
Model	Product Code
Evak 500	23498



*Made in France*

Model	Product Code
Evak bag	100625
Rope 12.5 mm, 20 m	46059
Rope 12.5 mm, 40 m	46069
Rope 12.5 mm, 60 m	46079
Rope 12.5 mm, 80 m	46089
Rope 12.5 mm, 100 m	46099
Rope 12.5 mm, 200 m	46109





Made in France

## Derope STD

### EN341

The Derope descent device is a controlled speed descent evacuation system. It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters.

Standard Derope allows multiple descents, designed for downward evacuation. Descent only.

- Height 400m for max 150 kg
- Height 200m for max 225 kg

Model	Product Code
Derope STD	279499
Rope (1m)	50962



Made in France

## Derope UPA

### EN341 - EN1496

The Derope descent device is a controlled speed descent evacuation system. It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters.

The Derope UPA is equipped with a recovery winch

- Height 400m for max 150 kg
- Height 200m for max 225 kg

Model	Product Code
Derope UPA	279509
Rope (1m)	50962



# Derope

## Derope UPB

### EN341 - EN1496

The Derope descent device is a controlled speed descent evacuation system. It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters.

derope UP B with winch, equipped with a large mounting bracket for ladder.

The unit is mounted on two ladder treads. The mounting system must be secured by a lanyard.

- Height 400m for max 150 kg
- Height 200m for max 225 kg

Model	Product Code
Derope UPB	279519
Rope (1m)	50962



Made in France

## Derope UPK

### EN341 - EN1496

The Derope descent device is a controlled speed descent evacuation system. It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 meters or 2 persons (up to 225 kg) at heights of up to 200 meters.

derope UP K with winch, equipped with a small mounting bracket for ladder.

The unit is mounted on a ladder tread.

- Height 400m for max 150 kg.
- Height 200m for max 225 kg

Model	Product Code
Derope UPK	279529
Rope (1m)	50962



Made in France

## Drill attachment

The UP range is equipped with a drill attachment for use with a battery operated drill of 14 V, 300 W.

The Derope UP descender can be used with a battery powered drill, opening up many more applications for the product.

- The drill attachment enables the fast lifting of a person over a great height in a rescue operation or vertical displacement. It is recommended for companies that work in silos, tanker vats, drains, etc.
- The Derope UP descender can be used to move rope access technicians and raise them, effortlessly, to a greater height. It is ideal for window cleaners, bill stickers and aerial installers.



# Derope

A complete kit for evacuation at height



Made in France

## EN341 - EN1496

A complete kit for evacuation at heights.

**Contents of the rescue kit:**

- derope UP A for upwards and downwards evacuation
- 10.5 mm braided rope with a length of 85, 120 or 150 m and 3 M48 tri-lock karabiners
- 1 patented Tractel rope reel
- 1 braided rope protector
- 1 lanyard spreader device with connector to keep the rope from the structure
- 1 stopfor K to disconnect the fall arrest lanyard from the user
- 2 strap rings to connect the derope and the pulley onto the structure
- 1 pulley to position the braided rope in the optimal position during descent
- 4 M23 tri-lock connectors
- 1 waterproof box with shock absorbing foam

**Advantages:**

- Complete with derope UP A for fast and safe evacuation
- Complete equipment ready to use
- Strong and waterproof box
- Overpressure valve to protect against condensation
- Humidity indicator
- Humidity absorption bags
- Storage box seal lets you know if the kit has been opened
- If the seal is unbroken, the kit doesn't require inspection for 5 years

**Specification:**

- Dimensions (H x L x D): 225 mm x 200 mm x 165 mm
- Max load recovery: 150 kg (400 m) or 225 kg (200 m)
- Descent speed: 0.5 m/s - 2 m/s

Model	Product Code
Derope rescue kit 85 m	222949
Derope rescue kit 120 m	222959
Derope rescue kit 150 m	222969



# Pulleys / Descent / Ascent Devices

## Standard S pulley

### EN12278

- Pulley diameter : 27 mm
- Braided rope diameter : 11 mm max
- Material : light alloy
- Overall dimensions : 98 mm
- Weight 75 g

Model	Product Code
Standard S pulley fixed flanges	40162



## Standard S pulley opening flanges

### EN12278

- Pulley diameter : 27 mm.
- Braided rope diameter : 11 mm max
- Material : steel
- Overall dimensions : 74 mm x 52 mm
- Weight : 165 g

Model	Product Code
Standard S pulley opening flanges	40172



# Pulleys / Descent / Ascent Devices

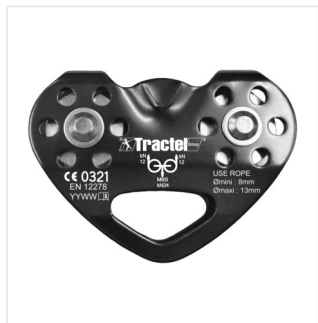


## Standard M pulley opening flanges

### EN12278

- Pulley diameter : 29 mm
- Braided rope diameter : 16 mm max
- Material : light alloy
- Overall dimensions : 110 mm x 82 mm
- Weight : 260 g

Model	Product Code
Standard M pulley opening flanges	40102



## Double in-line pulley

### EN12278

- Application : Tyrolienne (Rope bridge) evacuation.
- Pulley diameter : 25 mm
- Braided rope Ø 13 mm max.
- Overall dimensions : 113 mm x 86 mm
- Weight : 180 g

Model	Product Code
Double in-line pulley	40092



## Double pulley opening flanges

### EN12278

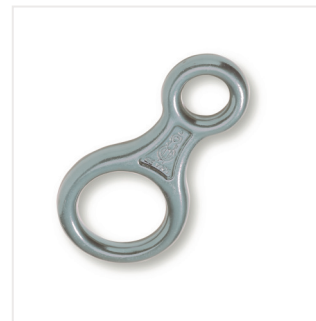
- Pulley diameter : 29 mm.
- Braided rope Ø 16 mm max
- Material : light alloy
- Overall dimensions : 110 mm
- Weight : 460 g.

Model	Product Code
Double pulley opening flanges	40112

# Pulleys / Descent / Ascent Devices

## Mountain eight

Model	Product Code
Mountain eight	20542

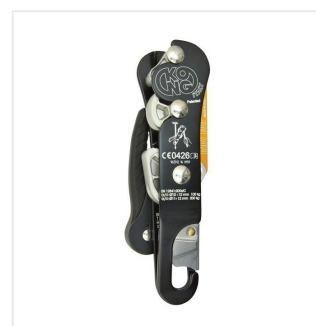


## Double safety descent device

### EN341 - EN12841-C

- Operates with diameter 9 to 12 mm braided rope.
- Fitted with a panic or emergency cut-out device system.
- Weight : 385 g.

Model	Product Code
Double safety descent device	13572



## Ascent handle

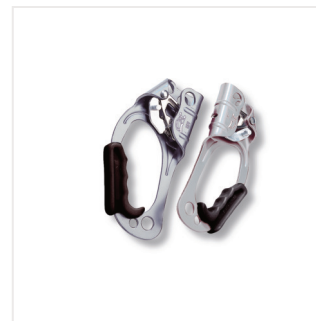
### EN567

2 different kinds of handle, depending on your use. Both are compatible with kermantel rope with a diameter between 8 and 12 mm.

A left and right traditional handles.

A compact handle fitting well in confined space applications.

Model	Product Code
Right handle	20492
Left handle	20502
Ascent handled rope clamp	65742



# Pulleys / Descent / Ascent Devices



## Ascent foot clamp

For ascent during rope access operation.  
Foot loop with adjustable strap.

Model	Product Code
Ascender foot-loop	40122

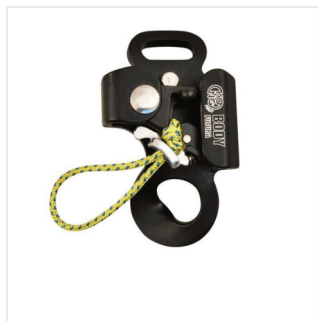


## Anchor plate

### EN795-B

- Operates with diameter 8 to 12 mm braided rope.
- Allows to remount on the cord in conjunction with right or left ascent handle.
- Weight : 106 g.

Model	Product Code
Anchor plate	20512



## Sternal ascent rope clamp

### EN567

Complies with EN 567 standard.

For rope climbing. Self-locking rope clamp for ropes with a diameter of 8 to 12 mm.

A dedicated version for use with the HT Access that can be installed by the user.

Model	Product Code
Sternal ascent rope clamp	66112
Sternal ascent rope clamp for HT Access	86552



## Rope protection

Model	Product Code
Rope protection	72586

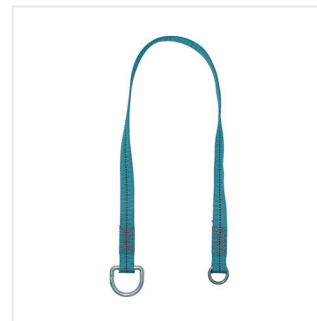
# Tree Surgeon Options

## Anchor line for trees

### EN354

Mobile anchor point for attaching the lanyard to a tree branch

Model	Product Code
Anchor line for trees	40982



## Arborist braided rope

Tree surgeon lanyard fitted with a buckle at one end.

Model	Product Code
Rope 20m	59512
Rope 30m	59522
Rope 40m	59532
Rope 50m	69952



## Adjustable lanyard - LCM 03

### EN358 - CNB/P/11.062

The work positioning lanyard LCM03 is a manually adjusted tensioner-reducer. This device works on a low-stretch rope with steel core diameter of 12.5 mm.

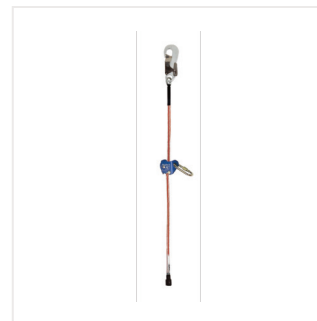
The LCM03 is compact and ergonomic and perfectly suited for work positioning.

The lanyard LCM03 is equipped with a compact, ergonomic jaw tensioning device. The device is made of high-strength aluminium. The jaw tensioning device LCM03

slides along the rope. In the event of a fall or loss of balance, the tensioner automatically locks.

The unit is supplied with rope with steel core diameter of 12.5 mm and length of 2m, 3m or 4m, equipped with a connector M10 on the tensioner and a connector M40 on the end of the rope

*This lanyard is not a fall arrest.*



Model	Length (cm)	Product Code
LCM 03 - M42 M10T - 2 m	2	85292
LCM 03 - M42 M10T - 3 m	3	85302
LCM 03 - M42 M10T - 4 m	4	85312
Sleeve	-	18192

\* not sleeve

Made in France\*



# Tree Surgeon Options



## Prusik knot

Self-locking knot enabling the tree surgeon to move along the arborist rope.

- length 0.6m

Model	Product Code
Prusik knot	40992



## Throw bag

Bag for throwing the arborist rope over a branch to create an anchor point. 250 g

Model	Product Code
Throw bag 250g	53842
Throw bag 350g	59332



## 50m rope throw line

For using with the throw bag.

Model	Product Code
Rope (for saddle bag)	51922





# Collective protection





# Guard Trac guardrail system

Guard Trac, the collective protection by Tractel is offering more configurations to meet a wide range of application. From the very robust Guard Trac plus version to Guard Trac WPS with the smallest footprint. Here is a look at the different versions Tractel can offer:

- Guard Trac plus
- Guard Trac (with or without toe-board, with or without adjustable barriers)
- Guard Trac WP & WPS

Our Guard Trac guardrail systems have a completely unique design, offering a simple and fast way to secure your roof, without jeopardising your waterproofing. Thanks to the patented design of our bracket and the integrated design, the entire system can be installed without a single tool.

The short bracket of the guard trac range reduces the footprint of the guardrail offering two significant advantage: the trip hazard risk is reduced and more space is available for the installation of other equipments inside the secured area (such as solar panels).

**Guard Trac™ is perfectly suited and certified for use in a variety of applications:**

- Solar panels
- Roof replacements / repair
- HVAC replacement and repair
- Rail car platforms
- Ramps
- Construction sites
- Dig sites
- Mezzanines
- Assembly and break areas
- Hoist areas

**Guard Trac™ a simple and fast way to secure your rooftop:**

#### **SAFETY ON JOBSITE:**

- Short counter-weight support
- Trip hazard reduced
- Limited number of components
- Lightweight components
- Any angle between 30° - 330°

#### **INSTALLATION:**

- Tool free
- Quick (30% faster than comparable solutions)
- Easy installation and customisable on site.

# Guard Trac guardrail

## Guard Trac

### EN 13374-A:2019

Guard Trac benefits and features:

- No risk of water penetration as no drilling is required for the installation.
- Thanks to our unique design, the installation is completely tool free.
- **Toe board option - when a parapet is not present**
- Fast Installation: 1 meter per minute.
- Compact footprint - ideal for installations with limited space
- Lightweight design
- The Guard Trac™ system can be installed on flat and inclined surfaces.
- The brackets are supplied in red. (other colours are available upon request.)
- The barriers are available in the lengths: 1.5 - 2 - 2.5 and 3 meters.
- The barriers are delivered in a natural aluminium finish (other colours are also available upon request.)
- The Guard Trac™ conforms and is certified according to **EN 13374-A:2019**.
- The inclination is limited to 10°.

#### COMPLETE RANGE:

- Range of standard barriers (1.5 - 2 - 2.5 and 3 m)
- Toe-board option
- Adjustable barrier & gate
- Easy stock management
- No additional components required



3m guard trac barrier with toe board

Model	Weight (kg)	Product Code
Standard barrier 3m	8.8	272047
Standard barrier 2.5m	8.2	272317
Standard barrier 2m	7.1	272327
Standard barrier 1.5m	6	272337
Standard barrier 3m with toe board	14.4	272347
Standard barrier 2.5m with toe board	12.3	272357
Standard barrier 2m with toe board	10.3	272367
Standard barrier 1.5m with toe board	8.3	272377
Adjustable barrier 1.50 - 2.25m	8	272027
Adjustable barrier 2.25 - 3.00m	9.7	272017
Latch	0.1	227015
Double bracket for Guard Trac™ and Guard Trac™ Plus	7	217447
Counterweight 25kg	25	186938
Counterweight interface	0.1	272077

# Guard Trac guardrail

## Guard Trac WP & WPS

### EN 13374-A:2019

The **WP & WPS** versions: an extension of our **Guard Trac** range EN 13374-A:2019.

A lot of roofs are built with an integrate parapet. Therefore, we decided to evolve our Guard Trac solution and use these existing parapets.

The parapet ensures that the Guard Trac system installed on the roof stay in place and can't slip toward the outside of the roof.

Using the parapet as part of the Guard Trac system help to simplify the system.

- Guard Trac **WP** = Guard Trac With Parapet
- Guard Trac **WPS** = Guard Trac With Parapet & Short arm.

Thanks to this evolution, the angle between 2 barriers is now completely flexible and can be adapted on site to any angle of the building where the system is installed.

The **WPS** offers a **very narrow solution**: it takes only **0.52m** from the parapet to the back of the counterweight.

These versions require the presence of a parapet with a minimum height of 150mm as they will be in contact with the parapet.



Model	Weight (kg)	Product Code
Barrier Guard Trac™ WP & WPS 3m	9.4	272567
Barrier Guard Trac™ WP & WPS 2.5m	8.2	272557
Barrier Guard Trac™ WP & WPS 2m	7.1	272547
Barrier Guard Trac™ WP & WPS 1.5m	6	272537
Long, fully equipped double bracket	7	217447
Short, fully equipped double bracket WPS	5	272507
Counterweight 25kg	25	186938
Counterweight interface	0.1	272077





# Guard Trac guardrail

## Guard Trac Plus

### EN 13374-A:2019 & EN ISO14122-3:2016

The Guard Trac Plus version conforms and is certified to **EN 13374-A:2019 and the EN ISO 14122-3:2016**.

It's the strongest version of our Guard Trac range, thanks to the additional counterweight and welded clamp.

The deformation, when the system is loaded, is the smallest of our Guard Trac range.

This makes Guard Trac Plus the most suitable solution of our guardrail system in difficult environment.

The Guard Trac Plus system can be installed on flat and inclined surfaces. The inclination is limited to 10°.

Tractel® is one of the first manufacturer to certify and put on the market guardrails according to the standard EN ISO 14122-3 version 2016. In this new version, only 2 additional criteria were added, but their impact on the design are important.

Model	Weight (kg)	Product Code
Standard barrier 3m	8.1	272007
Short barrier 2m	6.6	272057
Adjustable barrier 2.00 - 2.40m	11.2	272037
Latch	0.1	227015
Double bracket for Guard Trac and Guard Trac Plus	7	217447
Single bracket for Guard Trac Plus	4,2	217437
Counterweight interface	0.1	272077
Counterweight 25kg	25	186938
Welded clamp	1.5	227045

## Adjustable gate for Guard Trac & Guard Trac Plus

Model	Weight (kg)	Product Code
Adjustable gate for Guard Trac and Guard Trac Plus	5.8	272067



# 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 - PAYMENT** 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](mailto: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.

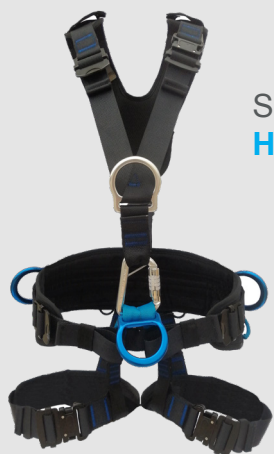
## 15 – JURISDICTION

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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