

New  
products  
2021



**minifor™**  
TR55/  
TR110  
page 29



**dynafor™**  
Industrial/Pro/Expert  
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**davitrac**  
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harness range**  
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# Catalogue 2021

Valid from March 2021

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Traceability is an essential element in assessing the effectiveness of personal protective equipment. These products must be inspected at least once every 12 months. Tractel® has set up a simple traceability system for the tirfor® TU-series hoist and all PPE products so that the user can easily perform these periodic checks.

Below you can see an example where the traceability label can be found on a harness, life line and fall arrest device. In addition to the tirfor® TU series, all other L&H products will follow.

## Safety harness

**Tractel®** harnesses are equipped with a traceability label embedded in the back plate of the harness. It is protected by a polyethylene film which guarantees information will continue to be legible over time.



## Lanyard

**Tractel®** lanyards are equipped with a traceability label that guarantees information will continue to be legible over time.



## Automatic fall arrester

**Tractel®** fall arrestors, **blocfor™**, are equipped with a traceability label on the casing of the **blocfor™**. It is protected by a transparent polyethylene film which guarantees information will continue to be legible over time.



## Instructions for using the platform

1

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



Example :  
QR Code Reader for Android

2

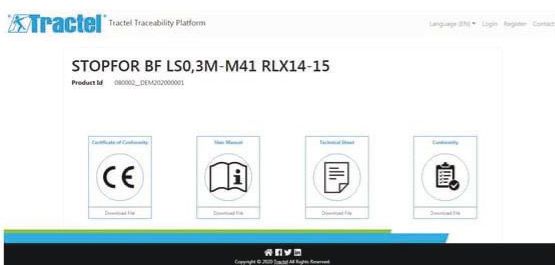
Open the QR Code Scanner app and scan the code on the packaging or product.



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.

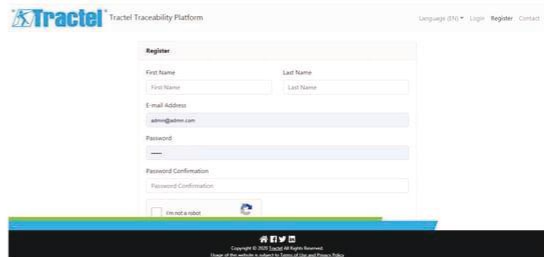


### Available downloads in PDF format:

- 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

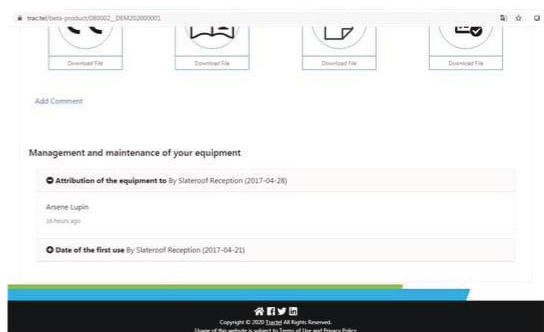
Register to have immediate access to advanced functionalities.



- 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



## 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
  - 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.



Language (EN) ▼ Login Register Contact

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

Product Id 080002\_DEM202000001



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1.

# Lifting & Handling



## Hand operated lifting and pulling equipment

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## Beam clamps and trolleys

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## Load arresters

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## Pulleys and sheaves

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## Lifting beams and clamps

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- ☐ Available on request. Please ask about the delivery time of these articles.
- ☒ Order on day 1, shipment no later than day 3 (maximum quantities apply).
- ☐ Order products on day 1, shipment no later than day 2.

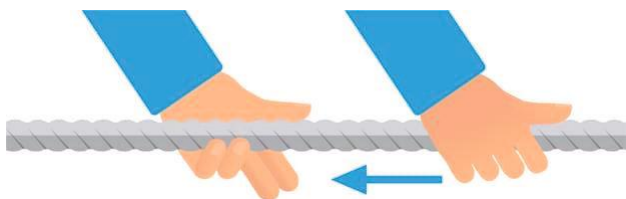




# tirfor®

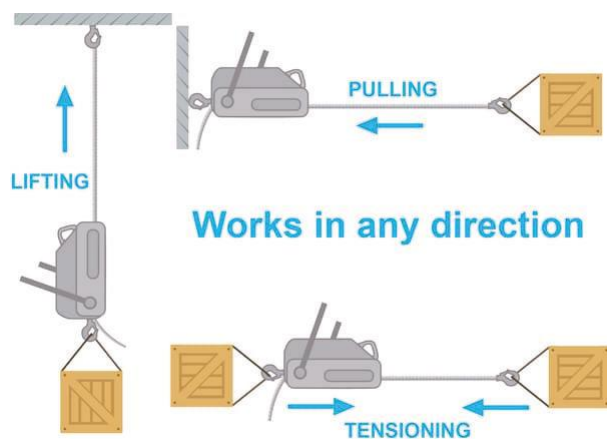
## The tirfor® principle

- Two jaws alternatively pull the wire rope and the load in the required direction, like pulling a rope with both hands.



- The jaw is self-gripping for safety reasons.
- The heavier the load, the tighter the jaws will clench.
- By operating the unlocking mechanism, the wire rope can be inserted between the jaws.

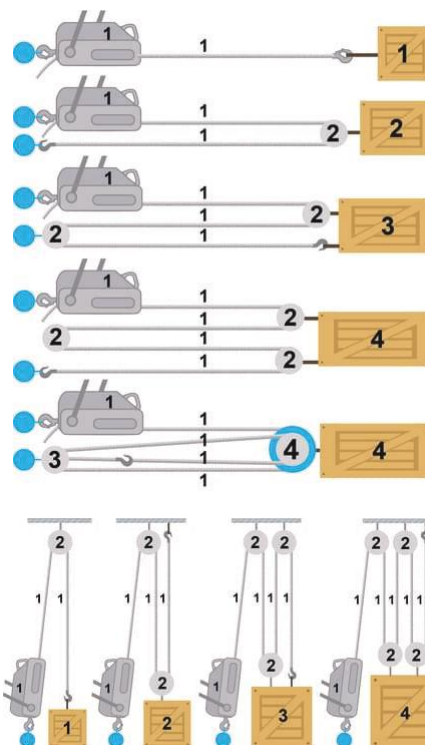
## Multifunctional



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

## Safe and reliable

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



## Increasing the WLL

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

## tirfor® T500 Series

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

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

The tirfor® T Series is designed for standard applications.

### Specifications:

- Lightweight and easily portable
- Reliable
- 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



T508D



T516D



T532D

Model	WLL (kg)	(Wire/Chain/Reel) Diameter	Movement Left (mm)	Movement Right (mm)	Weight (kg)	Product Code
T508D	800	8.3	46	63	6.6	18109
T516D	1600	11.5	42	57	13.5	18119
T532D	3200	16.3	18	36	24	18129

Excluding maxiflex wire rope.

The standard tirfor® is only suitable for material displacement.

For more information about lifting solutions for transporting people and other applications, please contact Tractel® (0031 (0)765435135).

## Accessories for the tirfor® T-serie

Model	Description	Product Code
Shear pin T508	For T508D	29506
Shear pin T516	For T516D	29516
Shear pin T532	For T532D	41206
Swivel hook T508	For T508D	21857
Swivel hook T516	For T516D	21867
Swivel hook T532	For T532D	21877
Metal storage box T-508D & TU-8	For T-508D & TU-8	1408
Metal storage box T-516D & TU-16	For T-516D & TU-16	1298
Metal storage box T-532D & TU-32	For T-532D & TU-32	1228
Telescopic lever T508	For T508D	11338
Telescopic lever T516/T532	For T-516D & T-532D	11348

The shear pins are delivered in packs of 10 pieces.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

TRIED, TESTED, TRACTEL®

## tirfor® TU™ EN13157 Series

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

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

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

Optimal relocation of the wire rope per movement.

### Specifications:

- Lightweight and easily portable
- Complies to the EN 13157
- 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



TU8



TU16



TU32

Model	WLL (kg)	(Wire/Chain/Reel) Diameter	Movement Left (mm)	Movement Right (mm)	Weight (kg)	Product Code
TU-8	800	8.3	70	76	8.4	18009
TU16	1600	11.5	56	70	20	18029
TU32	3200	16.3	30	48	27	18039

Excluding maxiflex wire rope.

The standard tirfor® is only suitable for material displacement.

For more information about lifting solutions for transporting people and other special applications, please contact Tractel® (0031 (0)765435135).

## Accessories for the tirfor® TU-serie

Model	Description	Product Code
Shear pin TU8 & TU16	For TU-8 & TU-16	8836
Shear pin TU32	For TU32	6866
Metal storage box TU-8	For TU-8	1408
Metal storage box TU-16	For TU-16	1298
Metal storage box TU-32	For TU-32	1228
Telescopic lever TU8	For TU8	508
Telescopic lever TU16 & TU32	For TU16 & TU32	18

The minimum quantity of shear pins is 10 pieces.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## maxiflex wire rope

The maxiflex wire rope has been developed especially for optimal use guaranteed by Tractel®, in combination with tirfor® hoists, and can be used under the most extreme circumstances. Supplied on a transport reel. Upon request also available on a drum reel and in different lengths. Including certificate.

- Supplied on a transport reel
- Including certificate
- Standard version with tip and hook
- Hook with safety catch
- Different lengths available



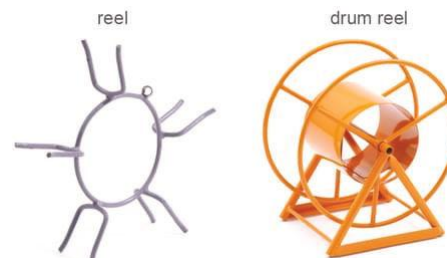
Wire Rope Type	C8 - 5 strands hook	C12 - 4 strands hook	C16 - 4 strands shackle
Description	ø wire rope - 8.3mm for T-7/TU-8/T-508	ø wire rope - 11.5mm for T-13/TU-16/T-516	ø wire rope - 16.3mm for T-35/TU-32/T-532
Length	Code	Code	Code
10 m	1939	628	708
15 m	1949	638	718
20 m	1959	648	728
25 m	1969	658	818
30 m	1979	668	738
40 m	1989	688	748
50 m	1999	698	758
60 m	2009	808	768
Extra par m.	4171	4181	4191

## drum reel for wire rope

Diameter per wire rope type:

- C8 ø 8,3 (m) - for T7/TU-8/T-508
- C12 ø 11,5 (m)- for T-13/TU-16/T-516
- C16 ø 16,3 (m) - for T-35/TU-32/T-532

Maximum wire rope length (m):



Model	Description	Product Code
Reel No. 0 - small	<b>C8</b> - 25m max	889
Reel No. 1 - standard	<b>C8</b> - 26-50m <b>C12</b> - max 25m	909
Reel No. 2 - medium	<b>C8</b> - 51-75m <b>C12</b> - 26-50m <b>C16</b> - max 25m	939
Reel No. 3 - double	<b>C8</b> - 75-100m <b>C12</b> - 51-75m <b>C16</b> - 26-50m	899
Drum reel 200	<b>C8</b> - 75-150m <b>C12</b> - 51-75m <b>C16</b> - 26-50m	878
Drum reel 300	<b>C8</b> - 151-200m <b>C12</b> - 76-150m <b>C16</b> - 51-75m	868
Drum reel 400	<b>C8</b> - 201-300m <b>C12</b> - max 200m <b>C16</b> - max 100m	858



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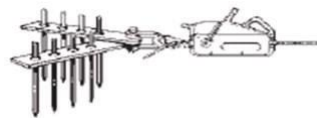
Available on request. Please enquire about delivery times of these items.

## Ground screw anchor

Model	Description	Weight (kg)	Product Code
HAA	For tirvit™ and jockey™	-	5589
HAB	For tirfor® TU-8 / T-508D	1-2	3779
HAC	For tirfor® TU 16 / T-516D	2-4	3789
HAD	For tirfor® TU 32 / T-532D	4-6	3799



Ground screw anchor



Strap anchor with rods

## Strap anchor with rods

Model	Description	Product Code
TU16	2 connecting plates - code 003809 8 pins of 75 cm - ø 25 1 shackle 3 t	13599
TU32	3 connecting plates - code 003809 12 pins of 75 cm - ø 25 1 shackle 5 t	13609

## Coniclamp - wire rope clamp



Model	(Wire/Chain/Reel) Diameter	WLL (kg)	Product Code
EC 10	5 - 10	1000	1269
EC 14	10.5 - 14	2000	1289
EC 21	15 - 21	3000	1309



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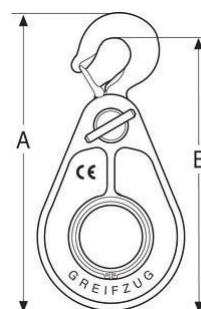
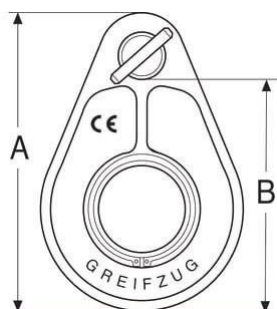


Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## Sheave block



Model	WLL	Sheave Diameter	Height A	Height B	Weight (kg)	Product Code
MC 3.2	3.2	140	250	200	2.4 kg	3329
MC 3.2 - with hook	3.2	140	340	310	3.4 kg	292899
MC 6.4	6.4	200	310	250	5.5 kg	31629
MC 6.4 with eye hook	6.4	200	480	430	9.5 kg	292909
MCW 2,0W with hook	2	160	326	303	2.5	43549
MCW 2.0W	2	160	270	228	4.2 kg	87849

## Eye hook & Swivel hook for tirfor®



Eye hook

Model	Product Code
Eye hook - C27	1157
Eye hook - C33	1187
Eye hook - C34	1397
Swivel hook - CT08 - T508	21857
Swivel hook - CT32 - T532 & TU32	21877
Swivel hook - CT16 - T516	21867



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Available on request. Please enquire about delivery times of these items.

## jockey™

Versatile wire rope hoist with unlimited wire rope length.

The jockey™ hoist is a manual lifting and pulling device. A versatile and portable multi-purpose device. Can be used for lifting and pulling, but also for lowering, tensioning, securing loads in all directions. Spare shear pins for overload protection are supplied as standard. Includes jockey™ hoist, 2 slings, 10m rope, operating handle.

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



Model	WLL (kg)	Weight (kg)	Product Code
jockey™ J3	300	1.75	5469
jockey™ J5	500	3.75	5479

## maxiflex wire rope for jockey™

The wire rope is equipped with a hook with safety cover on one side and a point on the other side.

Wire Rope Type	ø 4.7mm	ø 6.5mm
Description	for jockey™ J3	for jockey™ J5
Length	Code	Code
Extra per meter	5021	17361
10	5839	7429
15	4029	7419
20	4039	7439
25	4049	7449
30	4059	7489
40	4129	7509
50	4149	7529
60	4159	7539

## Sheave blocks for jockey™

Model	Description	WLL	Sheave Diameter	Height A	Height B	Weight (kg)	Product Code
MC 1.6 - with eye hook	See above	1.6	130	277	254	1.6	3849 + 1187



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Wire rope tensioners and clamps

## tirvit™ rope tensioner

Fast and easy tensioning of wire ropes such as electric transport cables, telephone cables and fence assembly. Also suitable for pulling loads. Not suitable for lifting.

- WLL: 400 - 800 kg.
- Complete with mounting chain
- Suitable for tensioning wire ropes
- Suitable for pulling loads
- NOT suitable for lifting

Model	WLL (kg)	Wire rope diameter ø (mm)	Productcode
F2	400	≤ 8	1029
F3	600	7-15	1039
F4	800	14-18	1049



## Tension clamp for jockey™

Tension clamp with shackle

- Complete with bow shackle
- Spring-loaded wire rope clamping jaws
- Lightweight enclosure

Model	WLL (kg)	Wire rope diameter ø (mm)	Productcode
G2	320	3 - 8	1018
G3	380	7 - 15	1028
G4	400	14 - 18	1038



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## bravo™ lever hoist

The bravo™ desync lever hoist has been developed especially for lifting, pulling, securing and tensioning loads under the most extreme circumstances. The hoist has a special system with two independent desynchronised pawls which doubles the accuracy of movement and guarantees safe use, by preventing shock loads.

Manual overloading is virtually impossible, thanks to the handle's unique design and the gear ratio. The hoist complies with the EN 13157 standard. The corolim® load chain, Grade 80 EN 818/7, has an inorganic coating consisting of zinc flakes in a matrix of chromate and provides excellent corrosion protection. Due to the coating process, all parts are free of hydrogen embrittlement. Since the coating contains teflon, the friction between the parts is significantly reduced. The coating works as a dry lubricant. Salt water spray resistance up to 400 hours, without signs of red rust. Heat resistance up to 280 °C, without any visible changes. Lifting height available in any required length.

- Corolim® load chain with coating
- Easy to handle
- Light-weight and compact
- Safety catch
- Nyloc nuts
- ISO grade 80, starting from 500 kg
- EN 13157, starting from 500 kg
- Free-wheel mechanism (unloaded)
- Spare parts are available
- Exclusive Tractel® design

## bravo™ lever hoist - desync - 1,5 m



Model	WLL (t)	Number of Falls	Pressure (N)	Load Chain	Weight (kg)	Product Code
bravo™ 0,25t	0.25	1	260	4x12	2	35919
bravo™ 0,5t	0.5	1	393	5x15	5	244029
bravo™ 0,75t	0.75	1	233	6x18	7	244039
bravo™ 1t	1	1	310	6x18	7.3	244049
bravo™ 1,5t	1.5	1	400	7x21	11.5	244059
bravo™ 3t	3	1	390	10x30	21.4	244069
bravo™ 6t	6	2	410	10x30	30.2	244079
bravo™ 9t	9	3	430	10x30	56.1	244089

The 1.5 meter model (WLL:250kg) is delivered without desync functionality.

We also have the bravo™ hoist available with load limiter - go the page 20.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.





## bravo™ desync lever hoist - 3 m

Model	WLL (t)	Number of Falls	Pressure (N)	Load Chain	Weight (kg)	Product Code
bravo™ 0,5t	0.5	1	393	5x15	5.84	244099
bravo™ 0,75t	0.75	1	233	6x18	8.2	244109
bravo™ 1t	1	1	310	6x18	8.5	244119
bravo™ 1,5t	1.5	1	400	7x21	13.12	244129
bravo™ 3t	3	1	390	10x30	24.75	244139
bravo™ 6t	6	2	410	10x30	36.9	244149
bravo™ 9t	9	3	430	10x30	66.1	244159

## bravo™ desync - extra lifting height per m

Model	Description	Weight (kg)	Product Code
0,5t	Extra lifting height per meter - WLL: 0,5t	0.56	353760
0,75t	Extra lifting height per meter - WLL: 0,75t	0.8	353770
1t	Extra lifting height per meter - WLL: 1t	0.8	353780
1,5t	Extra lifting height per meter - WLL: 1,5t	1.08	353790
3t	Extra lifting height per meter - WLL: 3t	2.23	353800
6t	Extra lifting height per meter - WLL: 6t	4.46	353810
9t	Extra lifting height per meter - WLL: 9t	6.69	353820

We also have the bravo™ hoist available with load limiter - go the page 20.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## bravo™ AC aluminium lever hoist

The bravo™ AC series ratchet lever hoist with aluminium enclosure has been developed especially for light weights and manual lifting, pulling, securing and tensioning loads. The hoist is supplied in a carrier bag for easy transport (tool belt) and storage. With free-wheel mechanism (unloaded), double brake discs and chain guide.

- 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
- Galvanized load chain



Model	WLL (t)	Pressure (N)	Lifting Height (m)	Load Chain	Weight (kg)	Product Code
bravo™ 0,25t	0.25	170	1,5	4 x 12 mm	2.3	251129
bravo™ 0,25t	0.25	170	3	4 x 12 mm	2.8	251139
bravo™ 0,5t	0.5	190	1,5	5 x 15 mm	3.3	251149
bravo™ 0,5t	0.5	190	3	5 x 15 mm	4.1	251159

## bravo™ CLD - chain locking device

The bravo™ CLD chain locking system serves as an adjustable end stop when lowering a load.

- Can be used in combination with the bravo™ chain hoist for lifting and pulling loads and rope tensioning applications
- Can only be used in combination with the bravo™ chain hoist produced by Tractel®
- Is attached to the end of the chain by using a bolt or self-locking nut
- Automatically slides and locks onto the chain, as close as possible to the chain structure
- Can be mounted on all types of Bravos
- CLD is tested to 2.5 times the WLL, in conformity with EN 13157



bravo™ chain hoist with CLD

Model	Length (mm)	Height (mm)	Chain size (ø x P) in mm	Weight (g)	Product Code
CLD 4/5	70 x 34	34	4x12/5x15	0.14	196438
CLD 6	85 x 42	42	6x18	0.24	196448
CLD 7/8	110 x 52	52	7x12/8x24	0.48	196458
CLD 10	130 x 64	64	10x30	0.76	196468



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## tralift™ manual chain hoist

The tralift™ manual hand chain hoist has been developed especially for lifting loads under the most challenging circumstances.

Its unique design makes it one of the lightest and smallest hoists available on the market. Combined with the corolim® load chain, the hoist complies with the EN 13157 standard. The corolim® load chain, Grade 80 EN 818/7, has an inorganic coating consisting of zinc flakes in a matrix of chromate and provides excellent corrosion protection. Due to the coating process, all parts are free of hydrogen embrittlement. Since the coating contains teflon, the friction between the parts is significantly reduced. The coating works as a dry lubricant. Salt water spray resistance up to 400 hours, without signs of red rust. Heat resistance up to 280 °C, without any visible changes. Lifting height available in any required length.

- corolim® load chain with coating
- Easy to handle
- Light-weight and compact
- Safety catch
- Nyloc nuts
- ISO grade 80, starting from 500 kg
- EN 13157, starting from 500 kg
- 180° chain guide
- Spare parts available
- Exclusive Tractel® design
- Also available with load limiter - go to page 20



Model	WLL (t)	Number of Falls	Pressure (N)	Load Chain	Lifting Height (m)	Weight (kg)	Product Code
tralift™ 0,5t	0.5	1	224	5x15	3	9	272269
tralift™ 1t	1	1	365	6x18	3	12.4	272279
tralift™ 1,5t	1.5	1	403	7x21	3	16.5	272289
tralift™ 2t - 1f	2	1	412	8x24	3	19.6	272309
tralift™ 2t - 2f	2	2	365	6x18	3	17.2	272299
tralift™ 3t	3	2	403	7x21	3	24.2	272319
tralift™ 5t	5	2	428	10x30	3	42	272329
tralift™ 10t	10	4	428	10x30	3	85.1	272339
tralift™ 20t	20	8	428	10x30	3	165.1	272349

## tralift™ manual chain hoist - extra lifting height per m

Model	Description	Hand Chain	Product Code
0,5t	Extra lifting height per meter - WLL: 0,5t	5 x 24 mm	353830
1t	Extra lifting height per meter - WLL: 1t	5 x 24 mm	353840
1,5t	Extra lifting height per meter - WLL: 1,5t	5 x 24 mm	353850
2t	Extra lifting height per meter - WLL: 2t	5 x 24 mm	353860
2t - 2f	Extra lifting height per meter - WLL: 2t	5 x 24 mm	353870
3t	Extra lifting height per meter - WLL: 3t	5 x 24 mm	353880
5t	Extra lifting height per meter - WLL: 5t	5 x 24 mm	353890
10t	Extra lifting height per meter - WLL: 10t	5 x 24 mm	353900
20t	Extra lifting height per meter - WLL: 20t	5 x 24 mm	353910



Order products on day 1, will be shipped no later than day 2



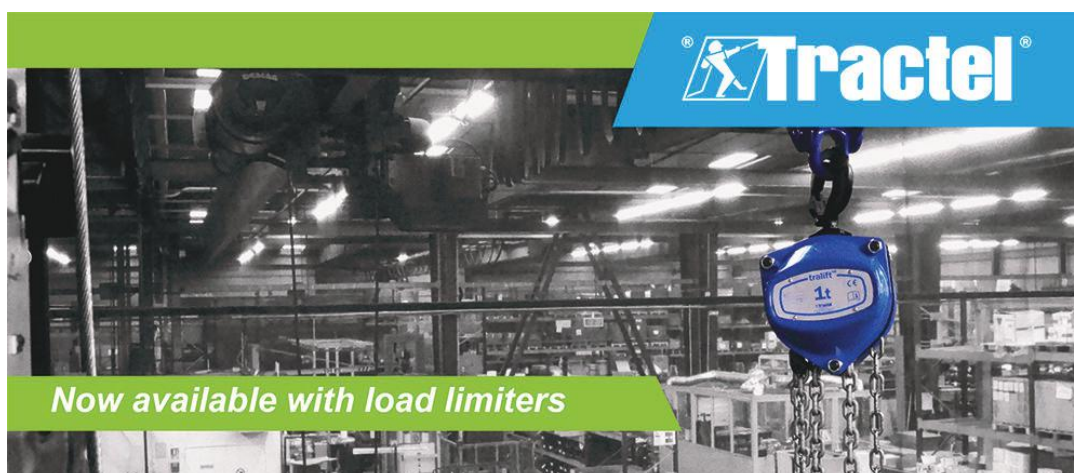
Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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# bravo™ & tralift™ with load limiter



## bravo™ hoist with load limiter

Model	WLL (t)	Number of Falls	Pressure (N)	Load Chain	Lifting Height (m)	Weight (kg)	Product Code
bravo™ 0,5t	0.5	1	393	5x15	1,5	5	358720
bravo™ 0,75t	0.75	1	233	6x18	1,5	7	358730
bravo™ 1t	1	1	310	6x18	1,5	7.3	358740
bravo™ 1,5t	1.5	1	400	7x21	1,5	11.5	358750
bravo™ 3t	3	1	390	10x30	1,5	21.4	358760
bravo™ 6t	6	2	410	10x30	1,5	30.2	358770
bravo™ 9t	9	3	430	10x30	1,5	56.1	358780

Model	WLL (t)	Number of Falls	Pressure (N)	Load Chain	Lifting Height (m)	Weight (kg)	Product Code
bravo™ 0,5t	0.5	1	393	5x15	3	5.84	358790
bravo™ 0,75t	0.75	1	233	6x18	3	8.2	358800
bravo™ 1t	1	1	310	6x18	3	8.5	358810
bravo™ 1,5t	1.5	1	400	7x21	3	13.12	358820
bravo™ 3t	3	1	390	10x30	3	24.75	358830
bravo™ 6t	6	2	410	10x30	3	36.9	358840
bravo™ 9t	9	3	430	10x30	3	66.1	358850

## tralift™ hoist with load limiter

Model	WLL (t)	Number of Falls	Load Chain	Lifting Height (m)	Weight (kg)	Product Code
tralift™ 0,5t	0.5	1	5x15	3	9	358860
tralift™ 1t	1	1	6x18	3	12.4	358870
tralift™ 1,5t	1.5	1	7x21	3	16.5	358880
tralift™ 2t - 1f	2	1	8x24	3	19.6	358890
tralift™ 2t - 2f	2	2	6x18	3	17.2	358900
tralift™ 3t	3	2	7x21	3	24.2	358910
tralift™ 5t	5	2	10x30	3	42	358920
tralift™ 10t	10	4	10x30	3	85.1	358930
tralift™ 20t	20	8	10x30	3	165.1	358940

## carol™ TR serie

The TR gear winch is an extremely robust winch available with a capacity up to 2,000 kg and 40 m wire rope length. Suitable, combined with the non-rotating wire rope, for non-guided loads. Optimal safety devices. Cannot be disconnected while loaded. Delivery excluding wire rope.

- Horizontal or vertical use - Automatic brake
- Strong structure - Crank adjustable and removable



Model	WLL	(Wire/Chain/Reel) Diameter	(Wire/Chain/Reel) Length	Weight (kg)	Product Code
caRol™ TR 300	300	5	38	15	23778
caRol™ TR 500	500	7	18	15	23788
caRol™ TR 1000	1000	9	30	44	23798
caRol™ TR 2000	2000	13	25	83	23808

Supplied without wire rope. Ask our Customer Service for the minimum quantity of 3 or 10 pieces.

## carol™ TS serie

The TS worm gear winch is an extremely robust winch available with a capacity up to 3,000 kg and 40 m wire rope length. Suitable, combined with the non-rotating wire rope, for non-guided loads. Optimal safety devices. Delivery excluding wire rope.

- Strong structure with automatic brake function
- Crank adjustable and removable - Cannot be disconnected while loaded



Model	WLL	(Wire/Chain/Reel) Diameter	(Wire/Chain/Reel) Length	Weight (kg)	Product Code
caRol™ TS 250	250	5	15	8	23818
caRol™ TS 500	500	7	18	12	23828
caRol™ TS 1000	1 000	9	30	38	23838
caRol™ TS 1500	1500	11.5	23	52	23848
caRol™ TS 2000	2000	13	17	80	23858
caRol™ TS 3000	3 000	16	18.5	140	23868

Supplied without wire rope. Ask our Customer Service for the minimum quantity of 3 or 10 pieces.

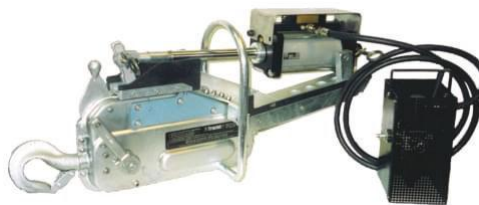
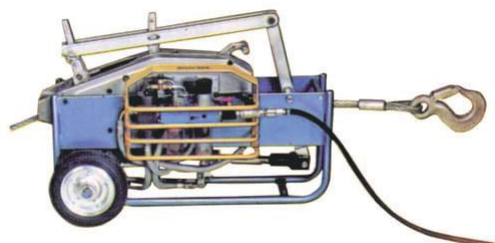
## carol™ non-rotating wire rope

wire rope $\varnothing$ (mm)	wire rope length 10 m		wire rope length 20 m		wire rope length 30 m		additional charge per m	
	code	price	code	price	code	price	code	price
4	026419	100.00	026429	149.00	026439	193.00	016261	4.80
5	026449	102.00	026459	148.00	026469	196.00	016271	5.00
6.8	026479	107.00	026489	159.00	026499	211.00	016281	5.30
8	026509	138.00	026519	197.00	026529	266.00	016291	6.80
9	026539	127.00	026549	207.00	026559	276.00	016301	7.70
11.5	026569	173.00	026579	277.00	026589	392.00	016311	12.00
13	026599	221.00	026609	349.00	026619	456.00	016321	12.00
15.8	026629	319.00	026639	435.00	026649	827.00	016331	29.00



# tirfor® TU-P and TU-H series

## tirfor® TU-A Series pneumatic wire rope hoist



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

- Robust
- Unlimited wire rope length
- Easy to use
- Working load can be increased by using sheave blocks
- Overload protection
- Positioning loads with millimetre accuracy
- Work pressure (atm) TU-16P/TU-32P: 6

Model	WLL	Avg. Consumption (l/min)	Lifting speed (m/min)	Lowering speed (m/min)	(Wire/Chain/Reel) Diameter	Weight (kg)	Product Code
TU-16A	1 600	550	0.5	1.5	11.5	40	77959
TU-32A	3 200	700	0.8	1.8	16.3	88	5909

## Accessories for tirfor® TU-P

Model	Product Code
Wire rope ø 11.5 mm - standard length 20 m	54759
Wire rope ø 16.3 mm - standard length 20 m	54959
Other wire rope lengths	-

For more information about lifting solutions for special applications, please contact Tractel® Customer Service and Technical Support (0031 (0)765435135).



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# supertirfor™ TU-16H and TU-32H

## supertirfor™ TU-16H

Model	Description	Product Code
TU-16H - 1 way	<b>Standard equipment supertirfor™ TU-16H, electric motor, including:</b> Hydraulic power pack, 1 set of 2 tubes, cylinder support, 1 VA2 self-locking cylinder, 1 can of hydraulic oil	199249
TU-16H - 2 ways	<b>Standard equipment supertirfor™ TU-16H, electric motor, including:</b> 1 hydraulic unit, 2 sets of 2 tubes, cylinder support, 2 VA2 self-locking cylinders, 1 can of hydraulic oil	199259
TU-16H - 4 ways	<b>Standard equipment supertirfor™ TU-16H, electric motor, including:</b> 1 hydraulic power pack, 4 sets of 2 hoses, cylinder support, 4 VA2 self-locking cylinders, 1 can of hydraulic oil	199269



## supertirfor™ TU-32H

Model	Description	Product Code
TU-32H - 1 way	<b>Standard equipment supertirfor™ TU-32H, electric motor, including:</b> 1 hydraulic power pack, 1 set of 2 tubes, cylinder support, 1 VA3 self-locking cylinder, 1 can of hydraulic oil	199279
TU-32H - 2 ways	<b>Standard equipment supertirfor™ TU-32H, electric motor, including:</b> 1 hydraulic power pack, 2 sets of 2 tubes, cylinder support, 2 VA3 self-locking cylinders, 1 can of hydraulic oil	199289
TU-32H - 4 ways	<b>Standard equipment supertirfor™ TU-32H, electric motor, including:</b> 1 hydraulic power pack, 4 sets of 2 tubes, cylinder support, 4 VA3 self-locking cylinders, 1 can of hydraulic oil	199299



## tirfor® TU-H Series

Model	WLL	Product Code
TU-16H	1600	398
TU-32H	3200	4748



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# supertirfor™ TU-16H and TU-32H

## Hydraulic Power Pack

Model	Product Code
Hydraulic power pack with electric motor, 13 l/min, 3 phase - 1-way model	8488
Hydraulic power pack with electric motor, 13 l/min, 3 phase - 2-way model	1548
Hydraulic power pack with electric motor, 13 l/min, 3 phase - 4-way model	1558
Hydraulic power unit with petrol engine - 13 l/min - 1-way model	1168
Hydraulic power pack with petrol engine - 13 l/min - 2-way model	4768
Hydraulic power pack with petrol engine - 13 l/min - 4-way model	4778

## Hydraulic tubes

Model	Description	Product Code
Set of 2 tubes Ø 10 mm (pressure + return) with quick-release connectors, length 3m	x1 for 1-way model	6158
	x2 for 2-way model	
	x4 for 4-way model	

## Hydraulic cylinder

Model	Description	Product Code
Self reversing cylinder VA2 suitable for supertirfor™ TU-16H	x1 for 1-way model	1138
	x2 for 2-way model	
	x4 for 4-way model	
Self reversing cylinder VA3 suitable for supertirfor™ TU-32H	x1 for 1-way model	8678
	x2 for 2-way model	
	x4 for 4-way model	

## Hydraulic Oil, 18 L

Model	Product Code
Hydraulic oil can - 18L	107320



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# supertirfor™ TU-16H and TU-32H

## 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

## Wire rope - 20 m

Model	Product Code
Wire rope Ø 11.5 mm - standard length 20 m	54759
Wire rope Ø 16.3 mm - standard length 20 m	54959
Other wire rope lengths	-



Order products on day 1, will be shipped no later than day 2



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# The minifor™ principle



## A unique concept

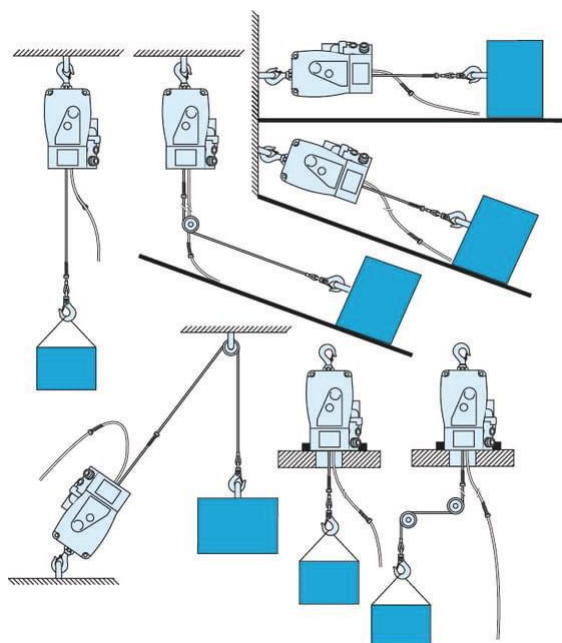
- Lifting and pulling loads over large distances.
- The electrically powered Minifor™ is well-known in construction and industry because of its unlimited wire rope length.

## Product features

- 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
- Strong, robust and versatile (IP55).
- 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 950 kg by using an optional sheaving kit.



## Possible applications



# minifor™ TR Serie

## minifor™ TR Serie

The minifor™ hoist is compact, light-weight and easy to handle. Unlimited wire rope length and therefore unlimited lifting height. Available in various models. This hoist can also be used for pulling loads in any direction. Operated by a control pendant (2.5 m cable, Up/Down/Emergency Stop), which is supplied as standard. Power supply cable length 1 metre with CEE Form connector.

- Unique lifting capacity/self-weight ratio
- Unlimited wire rope length
- Reliable and easy to use
- Working load can be increased by using sheaving kit
- Up and down limit switches
- Strong, robust and versatile (IP55)
- Available in different lengths
- Wire rope: 6.5 mm



Model	WLL	Lifting speed (m/min)	Volts (V)	Product Code (kg)	Price
TR10	100	15	230	21	42789
TR30	300	5	230	21	42889
TR30S	300	13	230	32	42989
TR30S	300	13	400	28	44779
TR50	500	7	230	32	44849
TR50	500	7	400	28	44899

TR10 and TR30 standard delivered in metal storage box.  
TR30S and TR50 standard delivered in cardboard packaging.  
Excluding maxiflex wire rope.

## Box for minifor™ TR30S/TR50

Model	Product Code
Box for minifor™ TR30S/TR50	102715

## Sheaving kit for minifor™ serie

The sheaving kit is used to double the lifting capacity of the minifor™.

- The lifting speed is halved
- Including 2 turning springs



Model	Description	WLL	Product Code
sheaving kit TR10/TR30 with safety catch	Bottom hook: Safety hook	200-600	217897
sheaving kit TR30/TR50 with safety catch	Bottom hook: Safety hook	600-980	217887



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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## minifor™ TR serie with radio remote control

The minifor™ is equipped with a simple and robust remote control. Default range 50 m, 433 MHz. With Up/Down/Emergency Stop push buttons.

- Wire rope: 6.5 mm (included)

Model	WLL	Lifting speed (m/min)	Motor (t / VAC / kW)	Weight (kg)	Product Code
TR10	100	15	1 / 230 / 0,32	21	42799
TR30	300	5	1 / 230 / 0,27	33	42899
TR30	300	13	1 / 230 / 1,1	32	44759
TR30S	300	13	3 / 400 / 1,1	28	44789
TR50	500	7	1 / 230 / 1,1	33	44879
TR50	500	7	3 / 400 / 1,1	33	44919

## minifor™ TR serie with drum reel

The minifor™ hoist is very compact, light-weight and easy to handle. The lifting cable is wound automatically by using the drum. Operated by a control pendant (2.5 m cable, Up/Down/Emergency Stop), which is supplied as standard. Power supply cable length 1 meter, with CEE Form connector and Mono Duty cycle.



- Unique lifting capacity/self-weight ratio - Reliable and easy to use
- Up and down limit switches - Strong, robust and versatile
- Wire rope: 6.5mm. (included)

Model	WLL	Forward Speed	Volts (V)	Kilowatts (kW)	Length wire rope (m)	Dimension (mm)	Weight (kg)	Product code
TR10	100	15	230	0,37	20 562 / 415 / 418		39	279539
TR30	300	5	230	0,37	20 562 / 415 / 418		39	279569
TR10	100	15	230	0,37	27 683 / 415 / 418		42	279549
TR30	300	5	230	0,37	27 683 / 415 / 418		42	279579
TR10	100	15	230	0,37	40 622 / 415 / 418		42	279559
TR30 - 40m	300	5	230	0,37	40 622 / 415 / 418		42	279589

## minifor™ TR serie with drum reel and radio remote control

The minifor™ is equipped with a drum reel and a simple and robust remote control. Default range 50 m, 433 MHz. With Up/Down/Emergency Stop push buttons.

- Wire rope: 6.5 mm. (included)

Model	WLL	Forward Speed	Volts (V)	Kilowatts (kW)	Length wire rope (m)	Dimension (mm)	Weight (kg)	Product code
TR10	100	15	230 V / mono	0,37		20 562 / 415 / 418	41	279659
TR30	300	5	230 V / mono	0,37		20 562 / 415 / 418	41	279689
TR10	100	15	230 V / mono	0,32		27 583 / 415 / 418	44	279669
TR30	300	5	230 V / mono	0,27		27 583 / 415 / 418	44	279699
TR10	100	15	230 V / mono	0,37		40 622 / 415 / 418	42	279679
TR30	300	5	230 V / mono	0,27		40 622 / 415 / 418	42	279709



## minifor™ TR55 & TR110 push button control

minifor™ TR55 and TR110 are the latest additions to our range of portable endless wire rope electric hoists.

Maintaining the same features as all minifor™ hoists the TR55 and TR110 extends the load capacity to the best in market maximum of 1100kg, 15% more than previously available.

TR55 has a load capacity of 550kg offering 10% more from a single fall minifor™ hoist allowing greater scope to lift or pull loads in any direction.

TR110 has a load capacity of 1100kg and is fitted with a load limiting system to be in conformity with EU regulations, providing additional safety during operation.

Operation is by a pendant push button control box, Up/Down/Emergency Stop, with 2.5m control cable supplied as standard, as well as 1m power supply cable or with optional radio remote control with a range up to 500m, providing the best in market solution.

- 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
- Quick and easy installation and includes a swivel eye hook
- In conformity with Machinery Directive 2006/42/CE and European EN 292 standard
- Reliable and easy to use
- Upper and lower limit switches
- Optional remote radio control up to a range of 500m
- Strong, robust and versatile (IP55)



Model	WLL	Forward Speed	Volts (V)	Frequency (Hz)	(Wire/Chain/Reel) Diameter	Description	Product Code
TR55	N	550	7	230	50	6.5 with push button control	286869
TR55	N	550	7	400	50	6.5 with push button control	286889
TR110	N	1100	3.5	230	50	6.5 with push button control	286909

## minifor™ TR55 & TR110 radio control

Model	WLL	Forward Speed	Volts (V)	Frequency (Hz)	(Wire/Chain/Reel) Diameter	Description	Product Code
TR55	N	550	7	230	50	6.5 with radio control	286879
TR55	N	550	7	400	50	6.5 with radio control	286899
TR110	N	1100	3.5	230	50	6.5 with radio control	286919



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# minifor™ SY Serie

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 kernmantle rope is made of polyester and has a 9.4 mm diameter. The maximum length is 200 m.

This rope has been developed especially for excellent performance, even if the rope shows signs of wear. The rope can be identified by a blue braided cable. The rope core has a ribbon with a Tractel® marking.

Operated by a control pendant (2.5 m cable, Up/Down/Emergency Stop), which is supplied as standard.

Power supply cable (1 m) with CEE Form connector.

- Unique lifting capacity/self-weight ratio
- High speed (30 m/min)
- Rope: kernmantle
- Reliable and easy to use
- Working load can be increased by using a sheaving kit
- Up and down limit switches
- Strong, robust and versatile (IP55)



Model	WLL	Forward Speed	Volts (V)	Duty Cycle	Amps (A)	Weight (kg)	Product Code
TR125 SY	125	30 m/min	690	100%	1.3	22 kg	245199
TR125 SY	125	30 m/min	400	100%	2.25	20 kg	245189
TR125 SY	125	30 m/min	230	30%	6.2	20 kg	245169
TR125 SY	125	15 m/min	230	30%	3.9	20 kg	245179
TR125 SY	125	15 m/min	115	20%	9	21 kg	245159

## minifor™ with plug-in pendant control box

The control cable length can be flexibly adapted by using the version with connector.

The system must be assembled with a removable plug-in control pendant (to be ordered separately) and an optional extension cable.

Model	WLL	Forward Speed	Volts (V)	Duty Cycle	Amps (A)	Weight (kg)	Product Code
TR125 SY	125	30 m/min	690	100%	1.3	22 kg	245259
TR125 SY	125	30 m/min	400	100%	2.25	20 kg	245249
TR125 SY	125	30 m/min	230	30%	6.2	20 kg	245229
TR125 SY	125	15 m/min	230	30%	3.9	20 kg	245239
TR125 SY	125	15 m/min	115	20%	9	21 kg	245219
TR125 SY	125	15 m/min	115	20%	9	21 kg	245209



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## minifor™ SY with radio remote control

The minifor™ is equipped with radio control (integrated).

- Standard range: 70 metres

Model	WLL	Forward Speed	Volts (V)	Amps (A)	Duty Cycle	Weight (kg)	Product Code
TR125 SY	125	30 m/min	400	2.25	100%	20 kg	245299
TR125 SY	125	30 m/min	230	6.2	30%	20 kg	245289
TR125 SY	125	15 m/min	230	3.9	30%	20 kg	245279
TR125 SY	125	15 m/min	115	9	20%	21 kg	245269

## Relay antenna for remote control

Model	Description	Product Code
Relay antenna	increasing the transmission range to 150m	184756

## Control cable extension minifor™

Model	Description	Product Code
Plug-in - 1,8 m	Cable length 1.8 metres - with Harting plug	111367
10 m	Cable length 10m - with Harting plug	106287
15 m	Cable length 15m - with Harting plug	112347
20 m	Cable length 20m - with Harting plug	113197
25 m	Cable length 25m - with Harting plug	213777
30 m	Cable length 30m - with Harting plug	231747



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## minifor™ TR-serie - maxiflex wire rope

The maxiflex wire rope has been developed especially for optimal use guaranteed by Tractel®, in combination with the electric minifor™ hoists, and can be used under the most extreme circumstances. Supplied on a transport reel. Upon request, also available on a drum reel and in different lengths. The wire rope (Ø 6.5 mm) has a hook with safety catch on one side and a tip on the other side. Supplies on a transport reel up to 60 metres and for 100 metres on a hand reel.

- Minimum breaking load: 2800 daN.
- Supplied on a transport reel
- Including certificate
- Standard version with tip and hook
- Hook with safety catch
- Different lengths available



Model	Length (cm)	Product Code
10m wire rope	10	108749
20m wire rope	20	60999
30m wire rope	30	61009
40m wire rope	40	61989
50m wire rope	50	61019
60m wire rope	60	61029
100m wire rope	100	61049
extra per meter	-	17361

maxiflex wire rope can also be ordered per metre. Ask our Customer Service for the possibilities.

## Kernmantel rope

The kernmantel rope has been developed especially for use in combination with the electric minifor™ SY hoists, and can be used under the most extreme circumstances. The kernmantle rope is made of durable polyester and has a 9.4 mm diameter.

The rope can be identified by a blue braided cable. The core has a ribbon with a Tractel® marking.

- Sustainable
- Available in different lengths
- Maximum length 200 m.



Model	Description	Product Code
Kernmantle Rope with hook	Ø 9.4mm, length 20m, hook with safety catch	187228
Kernmantle Rope with hook	Ø 9.4mm, length 20m, self-locking hook	187268
Kernmantle Rope with swivel hook	Ø 9.4mm, length 20m, self-locking swivel hook	187248
Kernmantle Rope additional meter	additional Ø 9.4 mm rope, length 1 metre	238587



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## Tow bar adapter

The tow bar adapter has been developed especially to create an anchor point for the Minifor™ TR10 and TR125 SY on a vehicle's tow bar. A sheave enables the lifting and pulling of loads, without the hoist hanging above the load. Suitable for tow bars which comply with the 94/20/EC directive, ø 50 mm.

- In conformity with EN 2006/42/CE, compact and light-weight
- Durable, galvanized steel, quick and easy installation



Model	Description	Product Code
MTA Tow bar Adaptor	Towbar adapter for minifor™ TR10 and TR125 SY (125 kg maximum)	251279

## minifor™ TR-serie - accessories

Model	Description	Product Code
Limit spring	Limit spring - wire rope mounting	22217
Storage box	Metal storage box for minifor™ TR10 and TR30	60485
Box for minifor™ TR30S/TR50	Metal storage box for minifor™ TR30S en TR50	102715
Storage box	Metal storage box for minifor™ TR125 SY with reel	60665
Connector kit	Plug set - 6-pole for cable control jack	33570
Extension	Power cable 3 x 1.5 mm2 per metre - 230 VAC version	3341
Extension	Power cable 4 x 1.5 mm3 per metre - 400 VAC version	3421
Extension	Control cable 5 x 1.5 mm2 per meter for the control spear	9771
Strain relief	For cable control jack	15286
ELC1-70E7	Pulley - hook with safety lock	252209
ELS1-70E7	Pulley - with safety hook (but less compact)	252259

## minifor™ SY-serie - accessories

Model	Description	Product Code
Drum hasp	Plastic reel for rope - up to 100 m	143865
Drum hasp	Plastic reel for rope - up to 200 m	143875
Drum hasp	Metal drum reel for rope - up to 200 m	187278
Storage box	Metal storage box for minifor™ TR125 SY with reel	60665
Combipro - 30L	Combipro - 30 litres - bag for rope up to 100 m	20812
Combipro - 60L	Combipro - 60 litres - bag for rope up to 200 m	20822
Sheaving kit	WLL 250 kg - swivel hook	217377
Sheaving kit	WLL 250 kg - safety catch	217877





# The tirak™ principle



## INFINITE POSSIBILITIES

- For transporting both materials and passengers
- Unlimited lifting height or pulling length
- Unlimited wire rope length
- WLL varying from 300 to 3,000 kg
- No standard version: customized assembly and production
- The working load can be increased by reeving the wire rope

## RELIABLE

- Constant speed
- Constant lifting and pulling capacity
- Fixed position of ingoing and outgoing cables
- Integrated mechanical overload protection ( $\geq 1000$  kg)
- Long service life

## QUALITY

- Robust, durable and silent
- Areas of application: maritime, building, industry and utility
- Low-maintenance
- Spare parts available

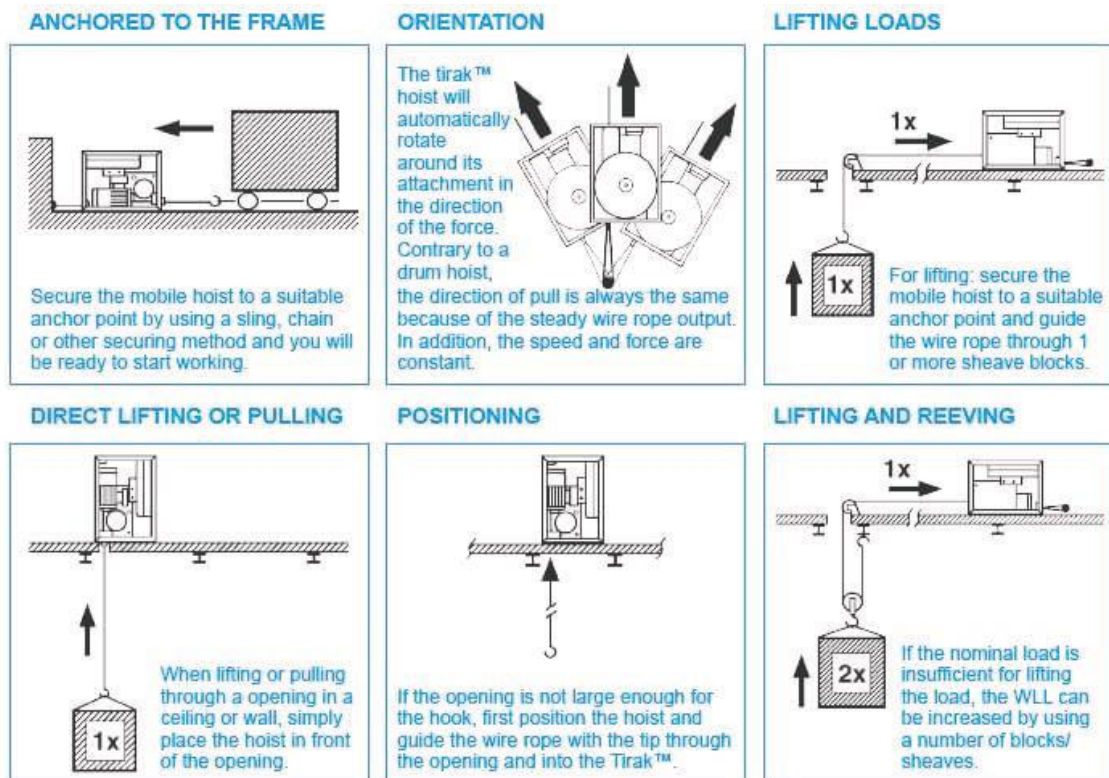
## FLEXIBLE

- Different versions for each application
- Various suspension adapters available
- Optionally available with transport reel and frame
- Lifting cable available in any required length
- Non-rotating lifting cable for non-guided loads





# The tirak™ principle



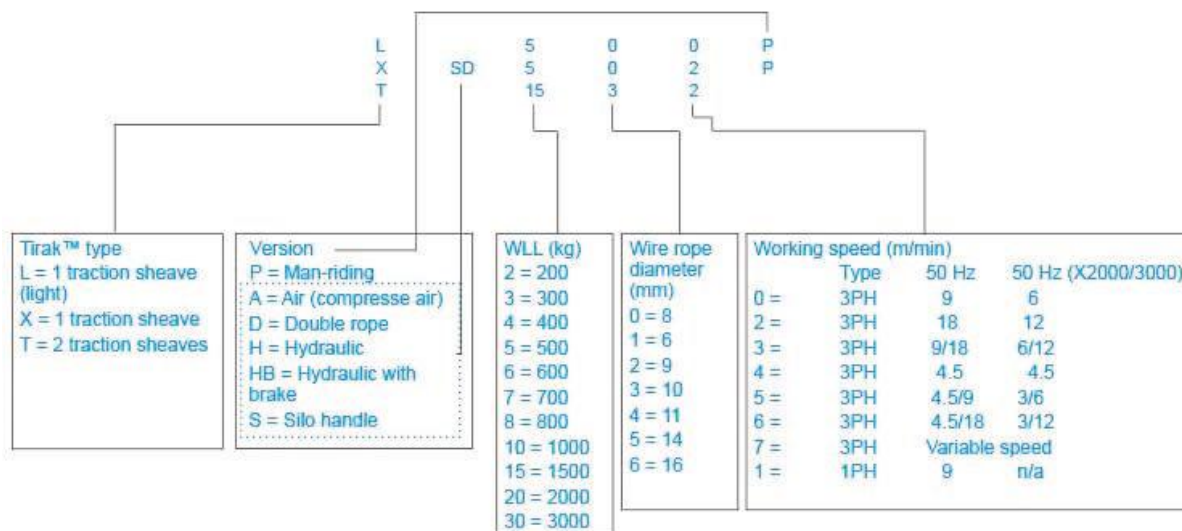
## Type coding structure, infinite possibilities

### Proven technology

- The tirak™ combines proven technology with modern techniques and sophisticated production methods in order to obtain the highest possible quality standards.

### Customisation

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



# tirak™ electric hoists

## tirak™ 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.

- Quality: Robust, powerful and easy to transport. Efficient and durable, even in harsh working conditions.
- Reliability: low cost of ownership thanks to a unique design and 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™

### 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.

### X-series

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



## tirak™ man riding hoist

Everywhere you have to transport people, the highest safety standards are regulated by law. Certified by an independent notified body according to EN1808, the tirak™ meets all these requirements and is at the heart of many access systems.

- Universal use
- The compact dimensions and low weight enable easy operation and simplify integration of the tirak™ into any application.
- The low weight of the tirak™ increases the payload capacity of the system
- A complete range of tirak™ models offers load capacities from less than 300 kg to 2000 kg for applications involving passenger transport.
- Unlimited wire rope length
- Equipped with an emergency descent system as standard
- Built-in mechanical overload in accordance with EN 1808



tirak™ for central control



tirak™ with control spindle

For information about customized models, please contact Tractel® Customer Service and Technical Support (0031 (0)765435135).

# tirak™ with cable reel

## tirak™ with cable reel

Because of its unique design, the tirak™ can be used without a cable reel, where the end of the cable will hang freely.

If this situation is undesirable, a cable reel can be used to safely wind and store the wire rope.

Three different cable reels are available::

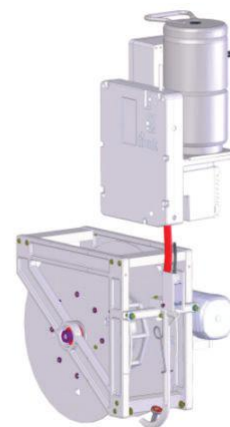
- Free-running cable reel
- Driven cable reel (directly by Tirak™ drive shaft)
- Cable reel driven by a separate electric motor (very long lengths)

- WLL varying from 300 to 3.000 kg
- Storage capacity up to 520 m
- Choice between material handling or man-riding application
- Compact size

free-running cable reel

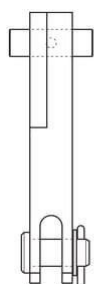


cable reel with electric motor

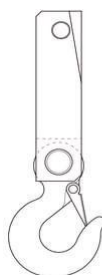


## Suspension Adapters for tirak™ Hoists

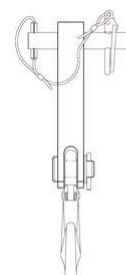
- Available with hook or eye
- Also available with removable hook and eye
- The circulation discs can be found starting from page 45



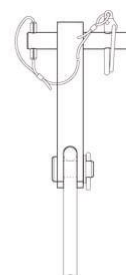
Type A



Type B



Type C



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	180157
Type C	Suspension adapter with removable eye. For X300	180167
Type C	Suspension adapter with removable hook. For X500-X1530	58527
Type C	Suspension adapter with removable eye. For X500-X1530	58537

## maxiflex wire rope - standard

The maxiflex wire rope has been developed especially for optimal use guaranteed by Tractel®, in combination with tirak™ hoists, and can be used under the most extreme circumstances.

Upon request also available on a drum reel and in any required length.

- Developed especially for tirak™
- Supplied on a transport reel.
- Including certificate
- Standard version with tip and hook
- Hook with safety catch
- Also available on a drum reel (see image below) and available in any required length



Wire Rope Type	wire rope 8.3mm	wire rope 9.5mm	wire rope 10.2mm	wire rope 14.3mm
genCode	46129	17389	352040	34429
productModelName	wire rope 8.3mm	wire rope 9.5mm	wire rope 10.2mm	wire rope 14.3mm

Length	Code	Code	Code	Code
20	46129	17389	352040	34429
30	46139	17409	352050	34439
40	46149	17429	352000	34449
50	46159	17449	352060	34459
60	46169	17469	352070	34469
70	46179	17489	352080	34479
80	46189	17509	352090	34489
90	46199	17529	352100	34499
100	46209	17549	352110	34509

## maxiflex non-rotating wire rope

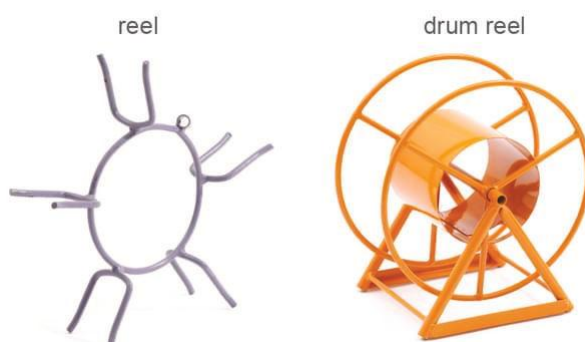
The maxiflex non-rotating wire rope has been developed especially to prevent non-guided loads from rotating if they are suspended freely in the air. Upon request the non-rotating wire rope will be produced and manufactured especially for you. The maxiflex wire rope is guaranteed by Tractel®, in combination with tirak™ hoists, and can be used under the most extreme circumstances.

- Non-rotating rope for non-guided loads
- Developed especially for tirak™
- Including certificate
- Available in any required length
- Standard version with tip and hook
- Hook with safety catch
- Also available on a drum reel and available in any required length

Model	Length (m)	Description	Product Code
Wire rope 8.3mm	100	Extra per meter: 12301 (code)	39459
Wire rope 9.5mm	100	Extra per meter: 15461 (code)	39499
Wire rope 10.2mm	100	Extra per meter: 16461 (code)	13999
Wire rope 10.2mm	100	Extra per meter: 16631 (code)	33629

## Reels for maxiflex wire rope

Model	Description			Product Code
Reel No. 0 - small	<b>C8</b> - 25m max			889
Reel No. 1 - standard	<b>C8</b> - 26-50m	<b>C12</b> - max 25m		909
Reel No. 2 - medium	<b>C8</b> - 51-75m	<b>C12</b> - 26-50m	<b>C16</b> - max 25m	939
Reel No. 3 - double	<b>C8</b> - 75-100m	<b>C12</b> - 51-75m	<b>C16</b> - 26-50m	899
Drum reel 200	<b>C8</b> - 75-150m	<b>C12</b> - 51-75m	<b>C16</b> - 26-50m	878
Drum reel 300	<b>C8</b> - 151-200m	<b>C12</b> - 76-150m	<b>C16</b> - 51-75m	868
Drum reel 400	<b>C8</b> - 201-300m	<b>C12</b> - max 200m	<b>C16</b> - max 100m	858



Type:	Wire rope diameter and capacity per metre					Code:
	6mm	8mm	9mm	10mm	14mm	
Reel No. 0	50 m	30 m	25 m	20 m		889
Reel No. 1	120 m	60 m	50 m	40 m		909
Reel No. 2	200 m	130 m	120 m	80 m	30 m	939
Drum reel 200	250 m	150 m	130 m	110 m	60 m	878
Drum reel 300	380 m	240 m	200 m	170 m	90 m	868
Drum reel 400	540 m	340 m	300 m	260 m	130 m	858
Drum reel 500	680 m	430 m	340 m	300 m	160 m	30938
Drum reel 650	850 m	540 m	400 m	360 m	200 m	31788
Wooden reel 1		1000 m	1000 m	1000 m	500 m	10478
Wooden reel 2					1000 m	10488



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# blocstop™ secondary safety device

## Fall arrest blocstop™ BSO - manriding applications

An additional safety system in accordance with EN 1808 is mandatory in man riding applications. The system is used to secure the work basket or platform against falling. That is precisely what our blocstop™ does. They are small, light and compact and attached to the working platform where the safety rope runs through it.

### BSO – blocstop™ for the detection of overspeed:

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.

### The BSO is available in 3 models:

- P version: standard version
- E version: with limit switch and 2m cable - with a plug for the tirak™ connection.
- EFA version: with the option to activate the BSO remotely.



Model		WLL manriding	WLL	(Wire/Chain/Reel) Diameter	Forward Speed	Product Code
BSO 500P	<input checked="" type="checkbox"/>	600	600	8	30m/min	291569
BSO 500E P	<input checked="" type="checkbox"/>	600	600	8	30m/min	291579
BSO 520P	<input checked="" type="checkbox"/>	600	600	9	30m/min	291589
BSO 520E P	<input checked="" type="checkbox"/>	600	600	9	30m/min	291599
BSO 1020P	<input checked="" type="checkbox"/>	800	800	9	30m/min	291609
BSO 1020E P	<input checked="" type="checkbox"/>	800	800	9	30m/min	291619
BSO 1020EFA P	<input checked="" type="checkbox"/>	800	800	9	30m/min	291629
BSO 1030 P	<input checked="" type="checkbox"/>	1000	1000	10	30m/min	291639
BSO 1030E P	<input checked="" type="checkbox"/>	1000	1000	10	30m/min	291649
BSO 1030EFA P	<input checked="" type="checkbox"/>	1000	1000	10	30m/min	291659
BSO 1040P	<input checked="" type="checkbox"/>	1200	1200	11	30m/min	291669
BSO 1040E P	<input checked="" type="checkbox"/>	1200	1200	11	30m/min	291679
BSO 1040EFA P	<input checked="" type="checkbox"/>	1200	1200	11	30m/min	291689
BSO 2050 P	<input checked="" type="checkbox"/>	2000	2000	14	30m/min	291699
BSO 2050E P	<input checked="" type="checkbox"/>	2000	2000	14	30m/min	291709
BSO 2050EFA P	<input checked="" type="checkbox"/>	2000	2000	14	30m/min	291719



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## blocstop™ BSO - material handling

The blocstop™ system, well known from manriding applications, is also used as load arrester to secure loads during material lifting.

Our blocstop™ BSO is small, light and compact and attached to the load where the safety rope runs through it.

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™ is designed in such a way that the clamping jaws grip tighter, the higher the load on the rope. Furthermore, the blocstop™ has been tested using many times the nominal load in order to ensure an extremely large safety margin.

**The blocstop™ BSO includes the following models:**

- Without marking: standard version
- E version: with limit switch and 2 metre cable equipped with a plug for the tirak™ connection.
- EFA version: with the option to activate the BSO remotely.



Model	WLL	Forward Speed	(Wire/Chain/Reel) Diameter	Product Code
BSO 1022	1000	20m/min	9	291729
BSO 1022E	1000	20m/min	9	291739
BSO 1022EFA	1000	20m/min	9	291749
BSO 1032	1200	20m/min	10	291759
BSO 1032E	1200	20m/min	10	291769
BSO 1032EFA	1200	20m/min	10	291779
BSO 2552	2500	20m/min	14	291819
BSO 2552E	2500	20m/min	14	291829
BSO 2552EFA	2500	20m/min	14	291839
BSO 510	350	30m/min	6	291849
BSO 510E	350	30m/min	6	291859
BSO 1020	1000	30m/min	9	291869
BSO 1020E	1000	30m/min	9	291879
BSO 3060	3000	30m/min	16	291989
BSO 3060E	3000	30m/min	16	291999
BSO 1004	600	40m/min	8	291889
BSO 1004E	600	40m/min	8	291899
BSO 1024	800	40m/min	9	291909
BSO 1024E	800	40m/min	9	291919
BSO 1034	1000	40m/min	10	291929
BSO 1034E	1000	40m/min	10	291939
BSO 1044	1200	40m/min	11	291949
BSO 1044E	1200	40m/min	11	291959
BSO 1026	600	60m/min	9	291969
BSO 1026E	600	60m/min	9	291979



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.

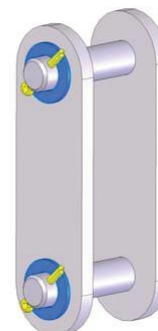
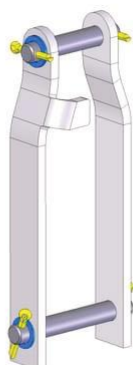


Available on request. Please enquire about delivery times of these items.

TRIED, TESTED, TRACTEL®

## Set of straps blocstop™ BSO

Model	Product Code
Straps for BSO 500 - 1040	42517
Straps for BSO 2050 - 2360	198247



## Counterweights blocstop™ BSO

Model	Product Code
Counterweight for BSO 500-1040	21488
Counterweight for BSO 2050-2360	199487

## blocstop™ BS

In contrast to the BSO, the clamping jaws of the BS are not activated by excessive speed, but by the control of the suspension cable. The BS is held open by a lever which is supported on the suspension cable by a coil. If the suspension cable breaks, this support stops and the BS closes.

In exactly the same way as the BSO, the safety wire is held between the clamping jaws preventing the load or the platform from falling. The handle of the Blocstop™ BS is activated manually or mechanically.



Model	WLL manriding (kg)	WLL (kg)	(Wire/Chain/Reel) Diameter	Product Code
BS 15-301	600	800	8.3	3219
BS 20-300	600	800	8.3	15929
BS 20.303	800	1000	9.5	3239
BS 20-304	1000	1600	10.2	6029
BS 20-301	1200	1600	11.5	3129
BS 35-304	2000	3000	14.3	35319
BS 35-300	2400	3200	16.3	3149



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

volt trac™ electric chain hoist

volt trac™ hoists are motorised chain hoists. They are used to lift and transfer loads. volt trac™ is designed for permanent installation on a jib crane, underneath an overhead crane, or on motorised or non-motorised trolleys. They are suitable for handling relatively heavy objects while reducing the physical effort of the user. With volt trac™, Tractel® is offering a new generation of electric chain hoists which are robust with FEM/ISO rating of 2m/M5 as well as an economic solution for your lifting needs.

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

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

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

- TuV Rheinland independent certification to all aspects of EN14492
- Modular design allowing ease of maintenance
- Oil bath lubrication for better cooling and low gear wear
- Thermal cut out and phase protection as standard
- Slip clutch overload protection
- Reduced control voltage (24V)
- 50 Hz
- 380 Volt
- **Supplied without electric trolley**



Application picture with trolley (not included)

Standard capacities: 250kg to 2000kg at FEM/ISO rating 2m/M5  
Available on request FEM/ISO ratings can be adapted from 1Am/M4 to 5m/M8 expanding the capacity range to: 125kg to 2200kg

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



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Accessories for volt trac™

## Electric trolley 10m/min

Model	Product Code
250 kg 1fall/1speed	276257
500 kg 2 falls / 1 speed	276267
500 kg 1 fall/ 1 speed	276277
1000 kg 2falls/ 1 speed	276287
1000 kg 1fall/1speed	276297
2000 kg 2falls/1speed	276307
500 kg 1fall/ 2 speeds	276417
1000 kg 2falls/2 speeds	276427
1000 kg 1 fall/2 speeds	276437
2000 kg 2falls/2 speeds	276447

## Electric trolley 19/6 m/min

Model	Product Code
250 kg 1fall/1 speed	276317
500 kg 2falls/1speed	276327
500 kg 1fall/1 speed	276337
1000 kg 2falls/1 speed	276347
1000 kg 1fall/1speed	276457
2000 kg 2falls/1speed	276467
500 kg 1fall/2 speeds	276477
1000 kg 2falls/2speeds	276487
1000 kg 1fall/2 speeds	276497
2000 kg 2falls/2 speeds	276507

## Electric trolley 9/3 m/min

Model	Product Code
250 kg 1fall/1 speed	276517
500 kg 2falls/1 speed	276527
500 kg 1fall/1 speed	276537
1000 kg 2falls/1speed	276547
1000 kg 2 falls/ 1 speed	276557
2000 kg 2 falls/ 1 speed	276567
500 kg 1 fall/2 speeds	276577
1000 kg 2 falls/2 speeds	276587
1000 kg 1 fall/ 2 speeds	276597
2000 kg 2 falls/ 2 speeds	276607

Electric chain hoists volt trac™ are also suitable for use with the manual push and gear trolleys corso and the beam clamp corso.

## Chain bags

Model	Description	Product Code
DFA2	250 kg 1 fall 13-25 m & 500 kg 2 falls 7-12 m	276617
DFA3	500 kg, 2 falls 13-18 m	276627
DTA4	500 kg, 2 falls 19-25 m, steel	276637
DFB2	500 kg, 1 fall 13-25 m, 1000 kg 2 strängig 7-12 m	276647
DFB3	1000 kg, 2 falls 13-18 m	276657
DTB4	1000 kg, 2 falls 19-25 m, steel	276667
DFC2	1000 kg 1 fall 7-18 m & 2000 kg 2 falls 4-9 m	276677
DTC3	1000 kg, 1 fall 19-25 m	276687
DTC3	2000 kg 2 falls 10-15 m	276697
DTC4	2000 kg 2 falls 16-25 m	276707

## 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

## Trolley limit switch

Model	Product Code
trolley limit switch	75257

## Eye suspension for volt trac™

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

## Extended hanger bar for electric trolley

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



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## sodenic™ jib crane

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 with integrated wire rope winch, making it easy to transport and assemble without specialised tools.

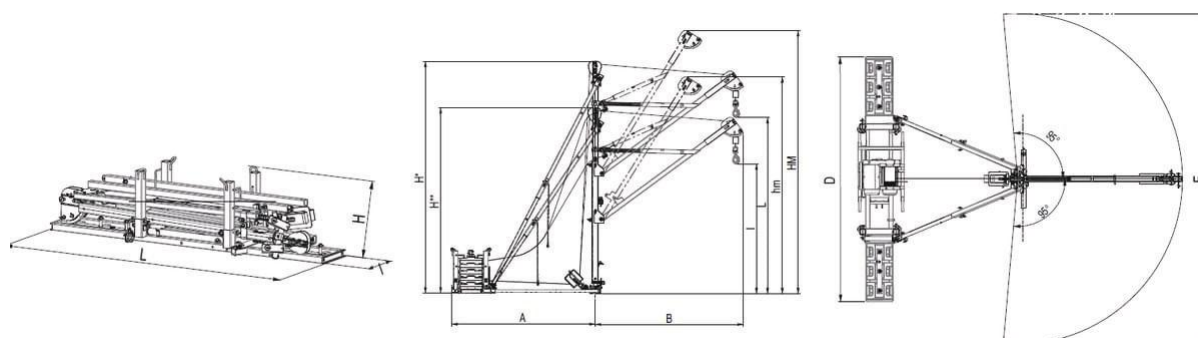
Due to the compact nature of the knocked down crane it can easily fit into a lift and be manipulated and assembled by two people.

- Extremely suitable for construction and industry
- Easy installation, modular construction
- Can be fitted in a lift (disassembled)
- Single-hand operation, tapping and turning



### Specifications:

- 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	(Wire/Chain/Reel) Length	Forward Speed	Product Code
sodenic™ petrol	250	45 m	22	251009
sodenic™ petrol	250	60 m	22	251019
sodenic™ petrol	200	80 m	22	251029
sodenic™ electric	250	45 m	28	251039
sodenic™ electric	250	60 m	28	251049
sodenic™ electric	200	80 m	28	251059

Delivery includes: lifting device, wire rope winch with control system and wire rope. Excluding counterweights.

## sodenic™ accessories

Model	Description	Product Code
counterweight 25 kg	25kg each	3378
manual winch 120 kg 38m	38 metre - WLL: 120kg	38968
load bucket 75 l	75 litre	38978
wire rope 45m	With hook - 45 metre	38928
wire rope 60m	With hook - 60 metre	38938
wire rope 80m	With hook - 80 metre	38948



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# Toe jacks and trolley skates

## TOP toe jack

### Specifications:

- Ideal for lifting heavy loads → workloads up to 10 tons
- Can be used in confined spaces
- Robust frame and equipped with handle and stable footplate
- Force on lever (daN): 30 (BT 1.5), 35 (BT3), 40 (BT5), 58 (BT10)
- With foldable ratchet crank and handle, easy to store and transport

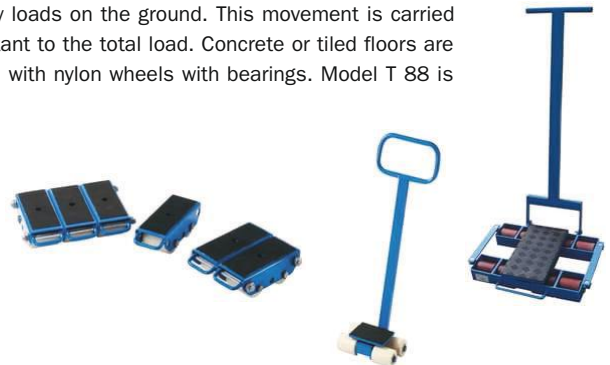


Model	WLL	Lifting Height (mm)	Construction height (mm)	Claw height lowest position (mm)	Weight (kg)	Product Code
BT 1,5	1.5	300	600	70	18	196478
BT 3	3	355	735	70	35	196488
BT 5	5	345	735	80	40	196498
BT 10	10	390	800	100	46	196508

## pakrol™ trolley skate

The pakrol™ trolley skates are suitable for easy and flexible transport of heavy loads on the ground. This movement is carried out manually by the user on a flat surface. Make sure that the surface is resistant to the total load. Concrete or tiled floors are particularly suitable for safely moving these loads. The trolley skates are fitted with nylon wheels with bearings. Model T 88 is equipped with polyurethane wheels.

- Workload up to 8,000 kg
- Manoeuvrable
- Robust frame with Nylon (P-U) wheels with bearings
- Transport handle, speed max. 5 km/h
- Use -10 to +30 °C



Model	WLL	No. of Wheels	Height (mm)	Weight (kg)	Product Code
Skate 2t	2000	2 / P-U	110	5	50149
Skate 4t	4000	4 / P-U	110	11	50159
Skate 6t	6000	6 / P-U	110	25	50169
Trolley skate 4t	4000	4 / P-U	110	14	50179
Trolley skate 6t	6000	8 / P-U	110	50	50189
Trolley skate 8t	8000	8 / P-U	110	50	50199

### Load on trolley skates

#### Which combination can be used to move the load?

Total load to be moved → articles needed:

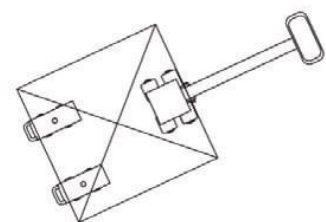
8 tons → 1 x the T 44 + 2 x the P 22

12 tonnes → 1 x the T 44 + 2 x the P 44

14 tonnes → 1 x the T 68 + 2 x the P 44

18 tonnes → 1 x the T 68 + 2 x the P 66

20 tonnes → 1 x the T 88 + 2 x the P 66



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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# corso® beam clamps

## corso® beam clamp for material handling

The corso® spindle beam clamp range can be quickly and easily assembled onto a steel beam, creating a reliable anchor point for lifting.

It is possible to manually adjust the opening of the clamping jaws, so it can be easily positioned and adjusted to the most frequently used profiles. A hoisting device such as the tirfor®, bravo™, tralift™ and minifor™ can be easily placed on the ring. The beam clamp can also be used for lifting steel beams or as a horizontal anchor point for use in combination with the tirfor®.

- **Suitable for material transport**
- WLL: 1.000 to 10.000 kg
- Robust version
- Perfect stability
- Equipped with suspension eye
- Simple adjustment device
- In accordance with directive 2006/42/EC



Model	WLL (kg)	Flange Width	Weight (kg)	Product Code
LT-1B	1000	75-230	4.8	7009
LT-2B	2000	75-230	5.6	7019
LT-3B	3000	80-330	11	7029
LT-5B	5000	80-330	12.3	7039
LT-10B	10000	80-320	21	7049

## corso® beam clamp for manriding

Unique in its kind, suitable for man-riding applications in accordance with the EN1808 standard.

The corso® spindle beam clamp range can be quickly and easily assembled onto a steel beam, creating a reliable anchor point. To be used in combination with the tirak™ or tirfor® man-riding applications.

- **Suitable for man-riding transport**
- WLL: 1.000 to 7.000 kg
- In accordance with EN 1808-2006/42/EC
- Perfect stability
- Equipped with suspension eye
- Simple adjusting device



Model	WLL manriding (kg)	Flange Width	Weight (kg)	Product Code
LT-1B	1000	75 - 235	4.8	183209
LT-2B	2000	75 - 235	5.6	183219
LT-3B	2500	95 - 335	11	183229
LT-5B	3000	95 - 335	12.3	183329
LT-10B	7000	95 - 345	21	183249



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



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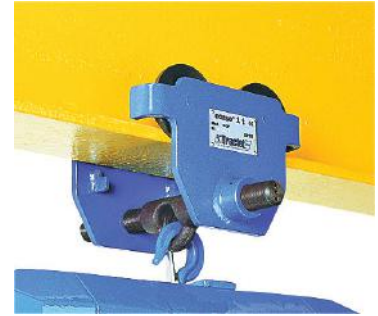
# corso® trolleys - material handling

## corso® push trolley for material handling

The corso® push trolley can be quickly and easily assembled onto a steel beam, with both a straight and sloping flange, creating a reliable anchor point for lifting.

It is possible to manually adjust the opening, so the trolley can be easily positioned and adjusted to the most frequently used profiles. A hoisting device such as the tirfor®, bravo™, tralift™ and minifor™ can be easily placed on the ring.

See the extension spindle table on page 41 to find the correct extension for the push trolley.



- **Material handling**
- WLL: 250 kg to 10.000 kg
- Robust version
- Maintenance-free bearings
- Suspension eye
- Wheel break protection
- Bumper stop
- In accordance with 2006/42/EC directive

Model	WLL (kg)	Flange Width	Min. Radius	Weight (kg)	Product Code
C250	250	45 - 152	650	3.5	69289
C500	500	50 - 220	900	8.5	23309
C1000	1000	58 - 220	1000	10.5	23319
C2000	2000	66 - 220	1200	18	23329
C3000	3000	74 - 220	1300	32	23379
C5000	5000	90 - 220	1400	48.5	23389
C10000	10000	142 - 320	2500	105	56279

## corso® manual/geared trolley for material handling

De corso® manual/mechanical trolleys can be quickly and easily assembled onto a steel beam, with both a straight and sloping flange, creating a reliable anchor point for lifting equipment such as tirfor®, bravo™, tralift™ and minifor™

It is possible to manually adjust the opening, so the trolley can be easily positioned and adjusted to the most frequently used profiles. Equipped with a galvanized manual chain 5x24 mm, operating height 3 m.

See the extension spindle table on page 41 to find the correct extension for the push trolley.



- **Material handling**
- WLL 1.000 kg to 20.000 kg
- Robust version
- Maintenance-free bearings
- Suspension eye
- Wheel break protection
- Bumper stop
- In accordance with 2006/42/EC directive

Model	WLL (kg)	Flange Width	Min. Radius	Weight (kg)	Product Code
1000	1000	58 - 220	1000	19	23339
2000	2000	66 - 220	1200	22.5	23349
3000	3000	74 - 220	1300	37.5	23359
5000	5000	90 - 220	1400	55	23369
10000	10000	142 - 320	2500	115	56289
20000	20000	153 - 320	5000	254	56299



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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# corso® push trolleys - manriding

## corso® push trolley for manriding

Unique in its kind: Suitable for man-riding applications in accordance with the EN1808 standard.

The Corso® push trolley range can be quickly and easily assembled onto a steel beam, with both a straight and sloping flange, creating a reliable anchor point.

For additional safety, the push trolley has an integrated brake to park the trolley in a fixed position. An extension stick is available as an accessory for remotely tightening the brake.

- **Suitable for man-riding applications**
- EN1808 -2006/42/EC directive
- With integrated brake
- WLL: 500 kg to 3.000 kg
- Perfect stability
- Suspension eye
- Simple adjusting device



Model	WLL manriding (kg)	Flange Width	Min. Radius	Weight (kg)	Product Code
C500	500	62 - 220	900	8.5	183019
C500	500	220 - 300	900	10	183029
C1000	1000	58 - 220	1000	10.5	183039
C1000	1000	220 - 300	1000	14	183049
C2000	2000	68 - 220	1200	18	183059
C2000	2000	220 - 300	1200	21.6	183069
C3000	3000	74 - 220	1300	32	183079
C3000	3000	220 - 300	1300	35	183089

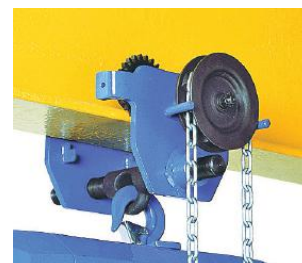
## corso® manual/geared trolley for man-riding

Unique in its kind: Suitable for man-riding applications in accordance with the EN1808 standard.

The Corso manual/mechanical trolley can be quickly and easily assembled onto a steel beam, with both a straight and sloping flange, creating a reliable anchor point. For additional safety, the trolley has an integrated brake to park the trolley in a fixed position.

An extension stick is available as an accessory for remotely tightening the brake. Equipped with a galvanized manual chain 5x24 mm, operating height 3m.

- **Suitable for man-riding applications**
- EN1808 -2006/42/EC directive
- With integrated brake
- WLL: 1.000 kg to 3.000 kg
- Perfect stability
- Suspension eye
- Simple adjusting device



Model	WLL manriding (kg)	Flange Width	Min. Radius	Weight (kg)	Product Code
1000	1000	58 - 220	1000	19.8	183099
1000	1000	220 - 300	1000	20.5	183109
2000	2000	66 - 220	1200	22.5	183119
2000	2000	220 - 300	1200	24	183129
3000	3000	74 - 220	1300	37.5	183139
3000	3000	220 - 300	1300	39	183149



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## corso® trolley extension bar - material handling

Model	Flange Width	Description	Product Code
0.5	220-320	to suit 0.5t push trolley 023309	14652
1T	220-320	to suit 1t push trolley 023319 and 1t geared trolley 023339	14662
2T	220-320	to suit 2t push trolley 023329 and 2t geared trolley 023349	14672
3T	220-320	to suit 3t push trolley 023379 and 3t geared trolley 023359	14682
5T	220-320	to suit 5t push trolley 023389 and 5t geared trolley 023369	14692



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# blocmat™ load arrestors

The blocmat™ is an automatic wire rope load arrestor 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 arrestor. After activation, release, and reset the system can immediately be used again.

## Available models:

- S - Ceiling assembly
- SI - Floor assembly (to be used with additional sheave)
- BS – attached to a suspended structure
- M and SIP - Upon request: especially for truss systems (entertainment industry).

## blocmat™ S, ceiling assembly and SI, floor assembly

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



Model	WLL (kg)	(Wire/Chain/Reel) Length	(Wire/Chain/Reel) Diameter	Product Code
S 500/15	500	15	6.5	47329
S 500/20	500	20	6.5	47339
S 500/25	500	25	6.5	47349
S 800/10	800	10	8.4	47359
S 800/20	800	20	8.4	47369
S 1000/8	1000	8	9.5	47379
S 1000/12	1000	12	9.5	47389
S 1000/25	1000	25	9.5	75399
SI 500/15	500	15	6.5	47269
SI 500/25	500	25	6.5	47279
SI 800/15	800	15	8.4	47289
SI 800/25	800	25	8.4	47299
SI 1000/10	1000	10	9.5	47309
SI 1000/25	1000	25	9.5	47319



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# blocmat™ TSD

blocmat™ TSD, self-retracting load srrestor, is equipped with the new TSD system (Top System Dissipator) The TSD system guarantees a fall load of less than 650 daN even if the load drops when the cable is fully unwound.

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

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



blocmat™ TSD



blocmat™ TSD

Model	WLL (kg)	Length (cm)	(Wire/Chain/Reel) Diameter	Product Code
blocmat™ 10 TSD	250	10	4.7	279479
blocmat™ 20 TSD	250	18	5	279489



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



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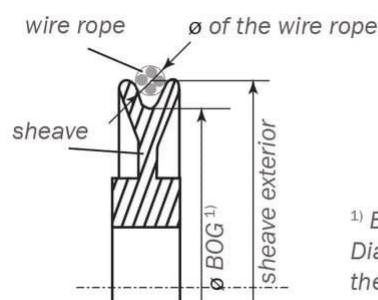


# CHARLET™ blocks

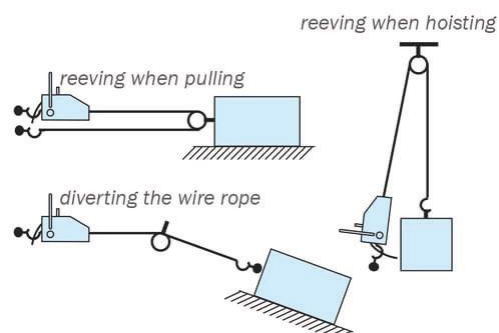
## CHARLET™ blocks

- Tractel® blocks, also known as CHARLET™, have been developed for all possible applications and are suitable for the most extreme ambient conditions.
- There is a wide variety of basic versions available. Even models for man-riding applications in conformity with EN 1808 are available from stock.
- 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.

## Detail of sheave



## Examples of applications



## EP block for man-riding applications

The EP blocks are especially designed for man-riding and are in accordance with EN 1808. They can also be used for material transport with identical Working Load Limit (WLL). Very easy installation of the wire rope. Laying the wire rope is very easy by removing the shaft. In this way, the wire rope can be inserted between the opening at the bottom. The housing can be used to activate a limit switch. It also serves as a safety device to prevent fingers and hands from getting stuck.

- Suitable for man-riding - WLL up to 4.8 t
- Easy assembly and wire rope entry
- Housing protects hands and fingers
- Lightweight
- Complies with FEM 87 and EN 1808



EPC block



EPE block



EPF block



EPL block



EPA block

Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	Weight (kg)	Product Code
EPA1.6-8/9	172/198	8-9	1600	2.9	192789
EPA2.4-10/12	196/219.5	10-12	2400	5	192819
EPA4.8-14/16	277.4/310.7	14-16	4800	12.2	192849
EPC1.6-8-9	172/198	8-9	1600	3.7	192769
EPC2.4-10/12	196/219.5	10-12	2400	6.4	192799
EPC4.8-14/16	277.4/310.7	14-16	4800	14.8	192829
EPE1.6-8/9	172/198	8-9	1600	3.7	192899
EPE2.4-10/12	196/219.5	10-12	2400	6.4	192919
EPE4.8-14/16	277.4/310.7	14-16	4800	14.8	192939
EPF1.6-8/9	172/198	8-9	1600	3.5	192779
EPF2.4-10/12	196/219.5	10-12	2400	5.9	192809
EPF4.8-14/16	277.4/310.7	14-16	4800	14.1	192839
EPL1.6-8/9	172/198	8-9	1600	3.5	192909
EPL2.4-10/12	196/219.5	10-12	2400	5.9	192929
EPL4.8-14/16	277.4/310.7	14-16	4800	14.1	192949

Sheave diameter =  $\varnothing$  diameter at the bottom of the groove /  $\varnothing$  outer sheave (mm)

## Accessories for EP block

Model	Description	Product Code
EP-MCP	Assembly kit for remote installation of EPC/EPL/EPF/EPE block	192969
EPBFC	Bracket for assembly on wire rope (operated by external limit switch)	192959



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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## EH snatch block

Can be opened without the use of any tools, making installation of the cable very quick and easy.



Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	Weight (kg)	Product Code
E303H	80/100	8-9	1000	3	80869
E460H	132/160	7.5-8.3	1600	7	80969
E313H	132/160	10-12	2000	8.5	80889
E323H	160/200	13-15	3200	18	80909
E470H	160/200	10-11.5	3200	18	80989
E490H	160/200	13-15	5000	17	81029
E333H	210/250	16-18	5000	22	80929
E480H	275/336	14-16.3	6400	34	81009
E347H	275/336	21-23	8000	34	80949

Sheave diameter = diameter sheave at the bottom of the groove / diameter outer sheave (mm)

Specially developed for use in combination with tirfor® wire rope hoist.

## ETA off-shore model snatch block

Can be opened without the use of any tools, making installation of the cable very quick and easy.

Equipped with shaft, for intensive use

- Easy to assemble - Lightweight
- Loose parts are protected against loss



Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	Weight (kg)	Product Code
ETA 2-79E10	60/79	9-10	2000	1.6	81449
ETA5-114E14	90/114	12-14	5000	4.5	81419
ETA5-165E14	140/165	12-14	5000	7	81479
ETA8-142E19	112/142	17-19	8000	8.5	81509
ETA8-209E19	177/209	17-19	8000	13.5	81539
ETA8-262E19	221/262	17-19	8000	18	81569
ETA8-326E23	275/326	20-23	8000	23	81599
ETA12-145E23	112/145	20-23	12500	24	81629
ETA12-216E23	174/216	20-23	12500	28	81689
ETA12-216E29	174/216	26-29	12500	28	81659
ETA15-262E23	221/262	20-23	15000	30	81719
ETA15-326E23	275/326	20-23	15000	36	81779
ETA15-420E23	355/420	20-23	15000	52	81839
ETA20-216E29	174/216	26-29	20000	31	81749
ETA20-268E38	224/268	35-38	20000	45	81809
ETA20-410E38	349/410	35-38	20000	56	81869
ETA25-262E29	221/262	26-29	25000	48	81899
ETA25-326E29	270/326	26-29	25000	63	81959
ETA32-334E46	270/334	42-46	32000	70	81929
ETA32-518E46	443/518	42-46	32000	100	81989

## ETC off-shore model snatch block

Can be opened without the use of any tools, making installation of the cable very quick and easy.

Equipped with hook, for intensive use.

- Easy to assemble
- Lightweight
- Loose parts are protected against loss

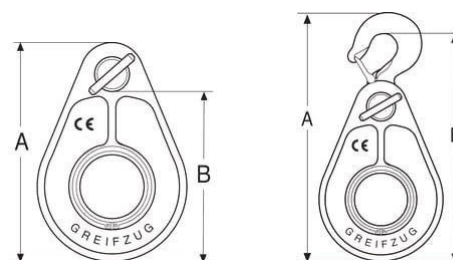


Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	Weight (kg)	Product Code
ETC2-79E10	60/79	9-10	2000	2.7	81429
ETC5-114E14	90/114	12-14	5000	8	81399
ETC5-165E14	140/165	12-14	5000	10.5	81459
ETC8-142E19	112/142	17-19	8000	15	81489
ETC8-209E19	177/209	17-19	8000	20	81519
ETC8-262E19	221/262	17-19	8000	25	81549
ETC8-326E23	275/326	20-23	8000	29	81579
ETC12-145E23	112/145	20-23	12500	30	81609
ETC12-216E23	174/216	20-23	12500	35	81669
ETC12-216E29	174/216	26-29	12500	35	81639
ETC15-262E23	221/262	20-23	15000	38	81699
ETC15-326E23	275/326	20-23	15000	45	81759
ETC15-420E23	355/420	20-23	15000	65	81819
ETC20-216E29	174/216	26-29	20000	39	81729
ETC20-268E38	224/268	35-38	20000	56	81789
ETC20-410E38	349/410	35-38	20000	70	81849
ETC25-262E29	221/262	26-29	25000	62	81879
ETC25-326E29	270/326	26-29	25000	85	81939
ETC32-334E46	270/334	42-46	32000	95	81909
ETC32-518E46	443/518	42-46	32000	135	81969

Sheave diameter = diameter sheave at the bottom of the groove / diameter outer sheave (mm)

## Snatch block for tirfor® & tirak™ hoists

- Suitable for motorised hoists
- Equipped with maintenance-free sliding layers
- Number of sheaves: 1
- Diameter wire: max. 10 mm



Model	WLL	Sheave Diameter	Height A	Height B	Weight (kg)	Product Code
MC 3.2	3.2	140	250	200	2.4 kg	3329
MC 3.2 - with hook	3.2	140	340	310	3.4 kg	292899
MC 6.4	6.4	200	310	250	5.5 kg	31629
MC 6.4 with eye hook	6.4	200	480	430	9.5 kg	292909
MCW 2,0W with hook	2	160	326	303	2.5	43549
MCW 2.0W	2	160	270	228	4.2 kg	87849



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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## ETM off-shore model snatch block

The ETM block is mainly used for temporary applications for pulling and lifting, when quick assemblies and/or dismantling are required. It can be suspended to a fixed or mobile anchor point with the right strength corresponding to the required load. Thanks to an easy installment, lightweight and attached locking parts, this snatch block is most often used on vessels and off-shore platforms.

- For intense use
- With nut and bolt bow shackle
- Easy to assemble
- Lightweight
- Loose components protected against loss



Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	Weight (kg)	Product Code
ETM2-79E10	60/79	9-10	2000	2.7	81439
ETM5-114E14	90/114	12-14	5000	8	81409
ETM5-165E14	140/165	12-14	5000	10.5	81469
ETM8-142E19	112/142	17-19	8000	15	81499
ETM8-209E19	177/209	17-19	8000	20	81529
ETM8-262E19	221/262	17-19	8000	25	81559
ETM8-326E23	275/326	20-23	8000	29	81589
ETM12-145E23	112/145	20-23	12500	30	81619
ETM12-216E23	174/216	20-23	12500	35	81679
ETM12-216E29	174/216	26-29	12500	35	81649
ETM15-262E23	221/262	20-23	15000	38	81709
ETM15-326E23	275/326	20-23	15000	45	81769
ETM15-420E23	355/420	20-23	15000	65	81829
ETM20-216E29	174/216	26-29	20000	39	81739
ETM20-268E38	224/268	35-38	20000	56	81799
ETM20-410E38	349/410	35-38	20000	70	81859
ETM25-262E29	221/262	26-29	25000	62	81889
ETM25-326E29	270/326	26-29	25000	85	81949
ETM32-334E46	270/334	42-46	32000	95	81919
ETM32-518E46	443/518	42-46	32000	135	81979

Sheave diameter = diameter sheave at the bottom of the groove / diameter outer sheave (mm)



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## EC snatch block

The EC Snatch Blocks type are mainly used for temporary applications for lifting or pulling. They can be suspended to a fixed or mobile anchor point with the right strength corresponding to the required load. Thanks to the light weight and an easy installment, this is the most current block used for repairing operations. These swing blocks are most often used as winch accessory on 4WD cars.

- Easy to assemble/folding
- Lightweight
- Scissor Type



Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	Weight (kg)	Product Code
EC1.6-100E9	80/100	8-9	1600	2.2	80689
EC3.2-160E12	132/160	10-12	3200	4.8	80699
EC5-200E15	160/200	13-15	5000	9.3	80709
EC8-250E18	210/250	16-18	8000	19.4	80719

Sheave diameter = diameter sheave at the bottom of the groove / diameter outer sheave (mm)

## ES cargo block

ES simple yoke pulleys are return pulleys for wire-rope, dedicated to slow applications. They permit lifting or wire-rope deviation without limit on use height or distance. They can be suspended to a fixed or mobile anchor point with the right strength corresponding to the required load.

ES pulleys are fitted with a swivel hook which ensures good positioning of the pulley regarding the wire-rope.

- Equipped with a swivel eye hook and safety catch
- lightweight
- Cargo block



Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	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	1200	3.4	81359

Sheave diameter = diameter sheave at the bottom of the groove / diameter outer sheave (mm)

## ELC - ELS pulley

Light & compact pulley (1t) for use in Offshore applications or together with the minifor™ hoist. The pulley is designed to be as compact as possible for use in elevator cages, to install the elevator motor.

It is designed to be robust and corrosion resistant (coating) and where all elements are waterproof.

Available in two versions:

- ELC - hook with safety clasp
- ELS - with safety hook (but less compact)



Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	Weight (kg)	Product Code
ELC1-70E7	55	6.5/7	1000	1.6	252209
ELS1-70E7	55	6.5/7	1000	1.8	252259



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## DB poulistop 2

The poulistop 2 is a robust and light-weight manual pulley block with automatic brake function, designed for temporary lifting installations on construction sites. It is operated by a braided nylon rope and suitable for lifting loads up to 50 kg (including rope weight) for lifting heights up to 30 meters.

**Operation:** the poulistop automatic brake mechanism is activated if the rope moves in vertical position along the brake caliper. The brake caliper force depends proportionally on the load. The operator must operate the rope at an angle of 15° in order to release the brake.



- In accordance with CE 2006/42
- Unique automatic brake function
- Safe use for construction and industry
- Easy assembly and rope insertion
- Corrosion protection
- Maintenance-free
- Complies with FEM87 and EN1808

Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	Weight (kg)	Product Code
D050B	150/195	18-20	50	4	192319
D051B	150/195	18-20	50	4	192329

Sheave diameter = diameter sheave at the bottom of the groove / diameter outer sheave (mm)

## Accessories for poulistop



Rope



Lifting jib

Model	Description	WLL (kg)	Weight (kg)	Product Code
DC050B	Nylon rope on reel. Length 50m	-	15	192339
DP050B	Lifting jib for assembly to scaffolding pipe	250	9	192359



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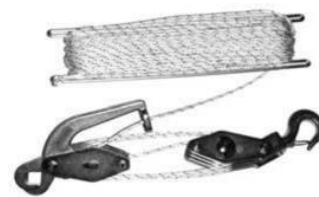


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## Palanmatic

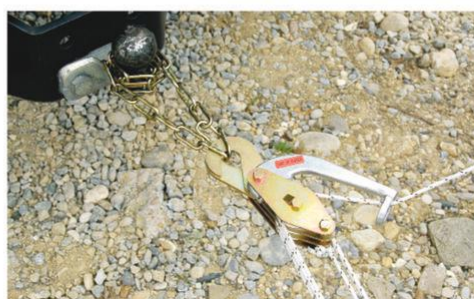
The palanmatic is unique in its kind: a manageable and light-weight manual hoist with ø4 mm nylon rope and automatic brake function. Perfect for lifting and pulling loads and various applications. The 202A, 204A and 206A models are supplied with a control lever to make lifting loads even easier.

- With automatic brake function
- Easy and light operation
- No risk of falling loads
- Manageable
- Swivel eye hook is not rotatable under load



Model	Description	Lifting Height	WLL	Weight (kg)	Product Code
D202A	Scissor eye hook / swivel eye hook*. 3 sheaves.	0.32 - 7 m	250 kg	1.9	80009
D212A	Scissor eye hooks. 3 sheaves.	0.28 - 3 m	250 kg	1.6	80039
D204A	Scissor hook / swivel eye hook*. 5 sheaves.	0.34 - 7 m	400 kg	2.9	80019
D214A	Scissor eye hooks. 5 sheaves.	0.29 - 3 m	400 kg	2.2	80049
D206A	Scissor eye hook / swivel eye hook*. 7 sheaves.	0.39 - 3 m	630 kg	3.7	80029

\* Swivel eye hook is not rotatable under load.





## DE Scaffold Block


- Manual return pulley for rope
- The polyamide sheave (Ø = 200 mm) is rotation-free
- Resistant to corrosion
- The wide top hook can easily be attached to all suspension points
- Perfect for hanging on the tubes of a scaffold
- With a swivel hook for good positioning



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

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## DL Lyons block

The Lyon's rope block permits lifting or deviation, without height or distance limits (these limits depend only on the length of the rope / wire-rope).

The Lyon's blocks are composed in two parts:

- An upper block, equipped with a becket, to be installed on a anchor point (fixed or mobile)
- A lower block on which the load to be lifted or deviated is installed
- Including cord
- In packs of two



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

Sheave diameter = diameter sheave at the bottom of the groove / diameter outer sheave (mm)

## DD Pulley Block

- Manual return pulley for rope
- Can be suspended from a fixed or mobile anchoring point
- Equipped with rotating hook for good positioning



Model	Sheave Diameter	(Wire/Chain/Reel) Diameter	WLL (kg)	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	1000	3.4	80159



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# TOPAL™

## TOPAL™

### TOPAL™ RANGE

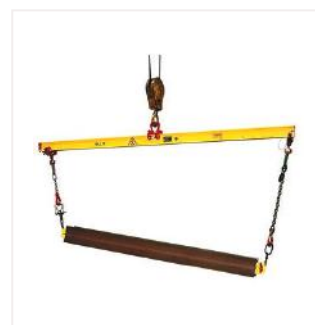
Tractel® offers a complete range of lifting accessories (clamps, beams, etc.) to facilitate safe lifting and movement of materials.

### 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.





## KS clamp - for different positions

Suitable for lifting plates, beams, profiles and steel constructions from any position. The KS clamp has a safety spring and, depending on the weight of the load, will only leave a mark on one side.

- Horizontal and vertical use
- Manual release
- One-sided mark
- Hot epoxy coating
- Hardness up to 300 HB



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
KS075 0-15	750	0-15	1.55	50238
KS1 0-20	1000	0-20	3.5	50248
KS2 0-25	2000	0-25	6.26	50258
KS3 0-30	3000	0-30	12.1	50268

## KT clamp

KT clamp, for vertical and horizontal lifting and handling of unit steel loads (plates, sections, welded-plated assemblies, structural steel etc.)

These clamps are fitted with a safety spring mechanism ensuring permanent contact of the cam against the piece to be lifted, even when it is laid down.

- Lifting clamps are not suitable for creating permanent joints.
- Working temperature: -20° to +100°C.
- The plates can also be grasped on their side to be tilted



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
KT 0.5 0-15	500	0-15	2	189918
KT 1 0-20	1000	0-20	4.5	189928
KT 2 0-25	2000	0-25	7.3	189938
KT 3 0-30	3000	0-30	15	189948
KT 5 0-50	5000	0-50	21.6	189958
KT 8 45-80	8000	45-80	38.3	189968

## KF clamp

KF clamps, for vertical lifting and handling of unit steel loads (plates, sections, welded-plated assemblies, structural steel etc.)

These clamps are fitted with a safety spring mechanism ensuring permanent contact of the cam against the piece to be lifted, even when it is laid down.

- Lifting clamps are not suitable for creating permanent joints.
- Working temperature: -20° to +100°C.
- With KF clamps, the lifting load must never be tilted or lifted into a different position



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
KF 1 0-22	1000	0-22	3.8	189418
KF 2 0-30	2000	0-30	6.3	189428
KF 3 0-35	3000	0-35	9.6	189438
KF 5 0-50	5000	0-50	19	189448



## NK - automatic lifting clamp

Automatic self-closing lifting clamp suitable for lifting plates, beams, profiles and steel constructions from any position. The clamp is equipped with a safety spring for continuous contact pressure and, depending on the weight of the load, only leaves a print on one side.

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



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
NK1 0-20	1500	0-20	4	50288
NK1 20-40	1500	20-40	6	50298
NK1 40-60	1500	40-60	6	50308
NK2 0-30	3000	0-30	13	50318
NK2 30-60	3000	30-60	15	50328
NK2 60-90	3000	60-90	17	50338
NK3 0-40	4500	0-40	25	50348
NK3 40-80	4500	40-80	26	50358
NK3 80-120	4500	80-120	27	50368
NK5 0-50	7500	0-50	42	50378
NK5 50-100	7500	50-100	50	50388
NK5 100-150	7500	100-150	60	50398

## NX - NXR Automatic Lifting Clamp

Automatic non-marking self-closing lifting clamp, suitable for lifting plain or polished pieces such as steel, stainless steel, aluminium, wood, natural stone, concrete, plastic or glass. Patented design. Clamping jaws are polyurethane coated, leaving no marks on the load. The jaw opening of the NXR model is adjustable and extremely suitable for pressure-sensitive loads.

- Non-marking
- Horizontal and vertical use
- Lifting clamp closes automatically
- Manual unlocking
- Hot Epoxy Coating



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
NX05 0-20	500	0-20	4.5	50408
NX1.5 0-30	1500	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



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Available on request. Please enquire about delivery times of these items.

## TLC lifting clamp

Universal lifting clamp for horizontal transport of plates, bundles or construction parts, per 2, 3 or 4 pieces. Opening is easily adjustable with lever for maximum reach from 0 to 150 mm. Lifting chain available on request.

- Adjustable and Hot Epoxy Coating
- Prevents sliding of the load



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
TLC1	500	0-150	12	50998
TLC2.5	1250	0-150	15	51008
TLC4	2000	0-150	17	51018
TLC6	3000	0-150	22	51028

## TLR lifting clamp

Universal lifting clamp for horizontal transport of plates, bundles or construction parts, per 2, 3 or 4 pieces. Clamping pressure proportional to the weight of the load. Lifting chain available on request.

- Very easy to use
- Adjustable per 60 mm
- Non marking and Hot Epoxy Coating



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
TLR2 0-300	1000	0-300	9	51158
TLR3 0-300	1500	0-300	14	51168
TLR5 0-300	2500	0-300	22	51178
TLR10 0-300	5000	0-300	29	51188



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# TLH lifting clamp

Universal lifting clamp for horizontal transport of plates, bundles or construction parts, per 2, 3 or 4 pieces. Clamping pressure proportional to the weight of the load. Lifting chain available on request.

- Very easy to use
- Non marking and Hot Epoxy Coating

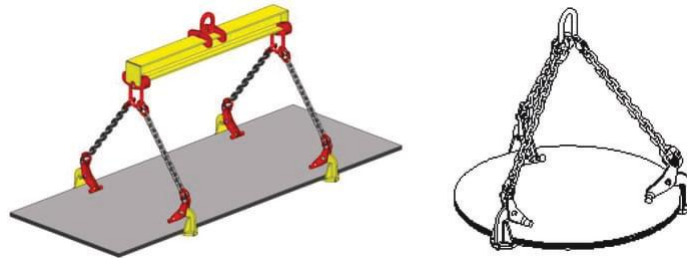
Use as a pair for lifting horizontal sheets or metal sheets, individually or bundled:

- 1 set with a 2-pole sling.
- Different sets with 2-pole slings and a lifting beam.
- To be used in 3 sets with a 3-pole sling for lifting round plates.



## TLH lifting clamp with PU coating

Besides the standard version, the TLH clamp is also available with PU coating. This polyurethane coating will not damage the treated sheets.



Model		WLL (kg)	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		1000	0-60	5	51058
TLH2 0-120		1000	0-120	8	51068
TLH3 0-60		1500	0-60	6	51078
TLH3 0-150		1500	0-150	13	51088
TLH4 0-60		2000	0-60	8	51098
TLH4 0-150		2000	0-150	17	51108
TLH5 0-60		2500	0-60	10	51118
TLH5 0-150		2500	0-150	21	51128
TLH10 0-60		5000	0-60	16	51138
TLH10 0-150		5000	0-150	31	51148
TLH1 0-40-PU	N	500	0-40	3	189218
TLH1 0-100-PU	N	500	0-100	5	189228
TLH2 0-40-PU	N	1000	0-40	5	189238
TLH2 0-100-PU	N	1000	0-100	8	189248
TLH3 0-40-PU	N	1500	0-40	6	189258
TLH3 0-130-PU	N	1500	0-130	13	189268
TLH4 0-40-PU	N	2000	0-40	8	189278
TLH4 0-130-PU	N	2000	0-130	17	189288
TLH5 0-40-PU	N	2500	0-40	10	189298
TLH5 0-130-PU	N	2500	0-130	21	189308
TLH10 0-40-PU	N	5000	0-40	16	189318
TLH10 0-130-PU	N	10000	0-130	31	189328



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## TLC sling - 2 falls

	2x TLC 1	2x TLC 2.5	2x TLC 4	2x TLC 6
Plate width maximum	Load to lift			
	≤ 1 000 kg	≤ 2 500 kg	≤ 4 000 kg	≤ 6 000 kg
1 400 mm	191008 E2W01600CO/1000	191108 E2W04000CO/1000	191208 E2W06300CO/1000	191258 E2W06700CO/1000
2 800 mm	191018 E2W01600CO/2000	191118 E2W04000CO/2000	191218 E2W06300CO/2000	191268 E2W06700CO/2000
4 200 mm	191028 E2W01600CO/3000	191128 E2W04000CO/3000	191228 E2W06300CO/3000	191278 E2W06700CO/3000
5 600 mm	191038 E2W01600CO/4000	191138 E2W04000CO/4000	191238 E2W06300CO/4000	191288 E2W06700CO/4000
7 000 mm	191048 E2W01600CO/5000	191148 E2W04000CO/5000	191248 E2W06300CO/5000	191298 E2W06700CO/5000

### 2x TLC 1 ≤ 1000kg

Model	Product Code
E2W01600CO/1000	191008
E2W01600CO/2000	191018
E2W01600CO/3000	191028
E2W01600CO/4000	191038
E2W01600CO/5000	191048

### 2x TLC 4 ≤ 4000kg

Model	Product Code
E2W06300CO/1000	191208
E2W06300CO/2000	191218
E2W06300CO/3000	191228
E2W06300CO/4000	191238
E2W06300CO/5000	191248

### 2x TLC 2.5 ≤ 2500kg

Model	Product Code
E2W04000CO/1000	191108
E2W04000CO/2000	191118
E2W04000CO/3000	191128
E2W04000CO/4000	191138
E2W04000CO/5000	191148

### 2x TLC 6 ≤ 6000kg

Model	Product Code
E2W06700CO/1000	191258
E2W06700CO/2000	191268
E2W06700CO/3000	191278
E2W06700CO/4000	191288
E2W06700CO/5000	191298



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Available on request. Please enquire about delivery times of these items.

## TLC sling - 3 falls

	3x TLC 1	3x TLC 2.5	3x TLC 4	3x TLC 6
Plate width maximum	Load to lift			
	≤ 1 000 kg	≤ 3 750 kg	≤ 6 000 kg	≤ 9 000 kg
1 400 mm	191358 E3W02400CO/1000	191458 E3W06000CO/1000	191558 E3W08500CO/1000	191608 E3W10700CO/1000
2 800 mm	191368 E3W02400CO/2000	191468 E3W06000CO/2000	191568 E3W08500CO/2000	191618 E3W10700CO/2000
4 200 mm	191378 E3W02400CO/3000	191478 E3W06000CO/3000	191578 E3W08500CO/3000	191628 E3W10700CO/3000
5 600 mm	191388 E3W02400CO/4000	191488 E3W06000CO/4000	191588 E3W08500CO/4000	191638 E3W10700CO/4000
7 000 mm	191398 E3W02400CO/5000	191498 E3W06000CO/5000	191598 E3W08500CO/5000	191648 E3W10700CO/5000

### 3x TLC 1 ≤ 1500 kg

Model	Product Code
E3W02400CO/1000	191358
E3W02400CO/2000	191368
E3W02400CO/3000	191378
E3W02400CO/4000	191388
E3W02400CO/5000	191398

### 3x TLC 4 < 6000 kg

Model	Product Code
E3W08500CO/1000	191558
E3W08500CO/2000	191568
E3W08500CO/3000	191578
E3W08500CO/4000	191588
E3W08500CO/5000	191598

### 3x TLC 2.5 < 3750 kg

Model	Product Code
E3W06000CO/1000	191458
E3W06000CO/2000	191468
E3W06000CO/3000	191478
E3W06000CO/4000	191488
E3W06000CO/5000	191498

### 3x TLC 9 < 9000 kg

Model	Product Code
E3W10700CO/1000	191608
E3W10700CO/2000	191618
E3W10700CO/3000	191628
E3W10700CO/4000	191638
E3W10700CO/5000	191648



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## TLH & TLR sling - 2 falls

	2x TLH 1	2x TLH 2	2x TLH 3	2x TLH 4	2x TLH 5	2x TLH 10
		2x TLR 2	2x TLR 3		2x TLR 5	2x TLR 10
Plate width maximum	Load to lift					
	≤ 1 000 kg	≤ 2 000 kg	≤ 3 000 kg	≤ 4 000 kg	≤ 5 000 kg	≤ 10 000 kg
1 000 mm	191008 E2W01600CO/1000	191108 E2W04000CO/1000	191208 E2W06300CO/1000	191308 E2W11500CO/1000		
2 000 mm	191018 E2W01600CO/2000	191118 E2W04000CO/2000	191218 E2W06300CO/2000	191318 E2W11500CO/2000		
3 000 mm	191028 E2W01600CO/3000	191128 E2W04000CO/3000	191228 E2W06300CO/3000	191328 E2W11500CO/3000		
4 000 mm	191038 E2W01600CO/4000	191138 E2W04000CO/4000	191238 E2W06300CO/4000	191338 E2W11500CO/4000		
5 000 mm	191048 E2W01600CO/5000	191148 E2W04000CO/5000	191248 E2W06300CO/5000	191348 E2W11500CO/5000		

### Sling 2x TLH 1 ≤ 1000kg

Model	Product Code	Model Name
E2W01600CO/1000	191008	E2W01600CO/1000
E2W01600CO/2000	191018	E2W01600CO/2000
E2W01600CO/3000	191028	E2W01600CO/3000
E2W01600CO/4000	191038	E2W01600CO/4000
E2W01600CO/5000	191048	E2W01600CO/5000

### Sling 2x TLH-R 10 ≤ 10000kg

Model	Product Code	Model Name
E2W11500CO/1000	191308	E2W11500CO/1000
E2W11500CO/2000	191318	E2W11500CO/2000
E2W11500CO/3000	191328	E2W11500CO/3000
E2W11500CO/4000	191338	E2W11500CO/4000
E2W11500CO/5000	191348	E2W11500CO/5000

### Sling 2 x TLH-R 2-3 ≤ 2000kg - ≤ 3000 kg

Model	Product Code
E2W04000CO/1000	191108
E2W04000CO/2000	191118
E2W04000CO/3000	191128
E2W06300CO/4000	191138
E2W06300CO/5000	191148

### Sling 2 x TLH-R 4-5 ≤ 4000kg - ≤ 5000kg

Model	Product Code	Model Name
E2W06300CO/1000	191208	E2W06300CO/1000
E2W06300CO/2000	191218	E2W06300CO/2000
E2W06300CO/3000	191228	E2W06300CO/3000
E2W06300CO/4000	191238	E2W06300CO/4000
E2W06300CO/5000	191248	E2W06300CO/5000



Order products on day 1, will be shipped no later than day 2





Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## TLH & TLR sling - 3 falls

	3x TLH 1	3x TLH 2	3x TLH 3	3x TLH 4	3x TLH 5	3x TLH 10
		3x TLR 2	3x TLR 3		3x TLR 5	3x TLR 10
Plate width maximum	Load to lift					
	≤ 1 500 kg	≤ 3 000 kg	≤ 4 500 kg	≤ 6 000 kg	≤ 7 500 kg	≤ 15 000 kg
1 000 mm	191358 E3W02400CO/1000	191458 E3W06000CO/1000	191558 E3W08500CO/1000	191658 E3W17000CO/1000		
2 000 mm	191368 E3W02400CO/2000	191468 E3W06000CO/2000	191568 E3W08500CO/2000	191668 E3W17000CO/2000		
3 000 mm	191378 E3W02400CO/3000	191478 E3W06000CO/3000	191578 E3W08500CO/3000	191678 E3W17000CO/3000		
4 000 mm	191388 E3W02400CO/4000	191488 E3W06000CO/4000	191588 E3W08500CO/4000	191688 E3W17000CO/4000		
5 000 mm	191398 E3W02400CO/5000	191498 E3W06000CO/5000	191598 E3W08500CO/5000	191698 E3W17000CO/5000		

### 3 x TLH 1 ≤ 1500kg

Model	Product Code
E3W02400CO/1000	191358
E3W02400CO/2000	191368
E3W02400CO/3000	191378
E3W02400CO/4000	191388
E3W02400CO/5000	191398

### 3 x TLH-R 10 ≤ 15000kg

Model	Product Code
E3W17000CO/1000	191658
E3W17000CO/2000	191668
E3W17000CO/3000	191678
E3W17000CO/4000	191688
E3W17000CO/5000	191698

### 3 x TLH-R 2-3 ≤ 3000kg - ≤ 4500kg

Model	Product Code
E3W06000CO/1000	191458
E3W06000CO/2000	191468
E3W06000CO/3000	191478
E3W06000CO/4000	191488
E3W06000CO/5000	191498

### 3 x TLH 4-5 ≤ 6000kg - ≤ 7500kg

Model	Product Code
E3W08500CO/1000	191558
E3W08500CO/2000	191568
E3W08500CO/3000	191578
E3W08500CO/4000	191588
E3W08500CO/5000	191598



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## 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 300mm, suitable for thick plates.

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



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
QS1,5 0-300	750	300	7	50678
QS3 0-300	1500	300	10	50688
QS6 0-300	3000	300	15	50698

## QR - double lifting hook

Double lifting hook for horizontal transport of plates, bundles or construction parts. Must be used in pairs. Lifting chain available on request. Opening up to 300 mm, ideal for thick plates.

- Fixed model
- Width 800 mm
- Easy to use
- Hot Epoxy Coating



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
QR3 0-300	1500	300	18	50648
QR6 0-300	3000	300	23	50658
QR12 0-300	6000	300	57.5	50668

## QX - double lifting hook

Double lifting hook for horizontal transport of plates, bundles or construction parts. Must be used in pairs. Lifting chain available on request. Also suitable for separating plates in a bundle. Opening up to 210 mm, ideal for thick plates.

- Fixed model
- Connectable stop point
- Width 390 mm
- Easy to use
- Hot Epoxy Coating



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
QX10-120	5000	120	30	50708
QX10-210	5000	210	38	50718

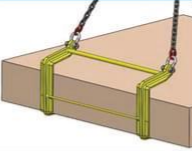
## QX Sling - 2x QX10 ≤ 10000 kg

Model	Product Code
E2W11500HR/1000 (maximum plate width: 1000mm)	192258
E2W11500HR/2000 (maximum plate width: 2000mm)	192268
E2W11500HR/3000 (maximum plate width: 3000mm)	192278
E2W11500HR/4000 (maximum plate width: 4000mm)	192288
E2W11500HR/5000 (maximum plate width: 2000mm)	192298

## QS - sling

	2x QS1.5-0-300	2x QS3-0-300	2x QS6-0-300
Plate width maximum	Load to lift		
	≤ 1 500 kg	≤ 3 000 kg	≤ 6 000 kg
1 000 mm	191708 E2W01600HR/1000	191808 E2W04000HR/1000	192158 E2W06700HR/1000
2 000 mm	191718 E2W01600HR/2000	191818 E2W04000HR/2000	192168 E2W06700HR/2000
3 000 mm	191728 E2W01600HR/3000	191828 E2W04000HR/3000	192178 E2W06700HR/3000
4 000 mm	191738 E2W01600HR/4000	191838 E2W04000HR/4000	192188 E2W06700HR/4000
5 000 mm	191748 E2W01600HR/5000	191848 E2W04000HR/5000	192198 E2W06700HR/5000

## QR - sling

	2x QR3-0-300	2x QR6-0-300	2x QR12-0-300
Plate width maximum	Load to lift		
	≤ 3 000 kg	≤ 6 000 kg	≤ 12 000 kg
1 000 mm	192358 E4W04000HR/10000	192408 E4W6700HR/1000	192458 E4W12900HR/1000
2 000 mm	192368 E4W04000HR/20000	192418 E4W6700HR/2000	192468 E4W12900HR/2000
3 000 mm	192378 E4W04000HR/30000	192428 E4W6700HR/3000	192478 E4W12900HR/3000
4 000 mm	192388 E4W04000HR/40000	192438 E4W6700HR/4000	192488 E4W12900HR/4000
5 000 mm	192398 E4W04000HR/50000	192448 E4W6700HR/5000	192498 E4W12900HR/5000

The maximum plate width depends on the recommended maximum inclination angle of 60°.

## Sling 2 x QS1.5 < 1500kg

Model	Product Code
E2W01600HR/1000	191708
E2W01600HR/2000	191718
E2W01600HR/3000	191728
E2W01600HR/4000	191738
E2W01600HR/5000	191748

## Sling 4 x QR3 < 3000kg

Model	Product Code
E4W04000HR/1000	192358
E4W04000HR/2000	192368
E4W04000HR/3000	192378
E4W04000HR/4000	192388
E4W04000HR/5000	192398

## Sling 2 x QS3 < 3000kg

Model	Product Code
E2W04000HR/1000	191808
E2W04000HR/2000	191818
E2W04000HR/3000	191828
E2W04000HR/4000	191838
E2W04000HR/5000	191848

## Sling 4 x QR6 < 6000kg

Model	Product Code
E4W6700HR/1000	192408
E4W6700HR/2000	192418
E4W6700HR/3000	192428
E4W6700HR/4000	192438
E4W6700HR/5000	192448

## Sling 2 x QS6 < 6000kg

Model	Product Code	Model Name
E2W06700HR/1000	192158	E2W06700HR/1000
E2W06700HR/2000	192168	E2W06700HR/2000
E2W06700HR/3000	192178	E2W06700HR/3000
E2W06700HR/4000	192188	E2W06700HR/4000
E2W06700HR/5000	192198	E2W06700HR/5000

## Sling 4 x QR12 < 12000kg

Model	Product Code
E4W12900HR/1000	192458
E4W12900HR/2000	192468
E4W12900HR/3000	192478
E4W12900HR/4000	192488
E4W12900HR/5000	192498



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Available on request. Please enquire about delivery times of these items.

## LT - bar for separating plates

Extendable bar (830-1290 mm) with wedge at the end for separating plates in a bundle.



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

## PP - block clamp

Adjustable lifting clamp for lifting loads of steel, concrete, wood, plastic etc., with parallel sides. Clamping jaw, width 200 mm, covered with rubber for optimal grip, non marking.

- Adjustable width (per 100 mm)
- Semi automatic
- Optimal grip
- Easy to use
- Hot Epoxy Coating

**Clamping jaws available on request with:**

- Polyurethane (PU)
- Spiked (PO)
- Grained (MG)



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

## PB - block clamp

Lifting clamp for lifting loads of steel, concrete, wood, plastic etc., with parallel sides. Automatic release and handles for easy operation. Clamping jaw covered with rubber for optimal grip, non marking.

**Clamping jaws available on request with:**

- Polyurethane
- Steel points
- Centered or with V-shape
- Semi automatic
- Easy to use
- Optimal grip
- Hot Epoxy Coating

**Clamping jaws available on request with:**

- Polyurethane (PU)
- Spiked (PO)
- Grained (MG)
- Automatic take & release



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Available on request. Please enquire about delivery times of these items.

## PB - block clamp - codes

Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
PB05 0-100 AMG	500	0-100	10	192068
PB05 0-100 APO	500	0-100	9	191998
PB05 0-100 MG	500	0-100	10	189668
PB05 0-100 PO	500	0-100	9	189598
PB05 0-100 / PU	500	0-100	9	189528
PB05 0-100	500	0-100	10	50458
PB05 100-250 AMG	500	100-250	12	192078
PB05 100-250 APO	500	100-250	11	192008
PB05 100-250 MG	500	100-250	12	189678
PB05 100-250 PO	500	100-250	11	189608
PB05 100-250 / PU	500	100-250	18	189538
PB05 100-250	500	100-250	12	50468
PB05 200-500 AMG	500	200-500	19	192088
PB05 200-500 APO	500	200-500	18	192018
PB05 200-500 MG	500	200-500	19	189688
PB05 200-500 PO	500	200-500	18	189618
PB05 200-500 / PU	500	200-500	18	189548
PB05 200-500	500	200-500	20	50478
PB1 0-200 AMG	1000	0-200	25	192098
PB1 0-200 APO	1000	0-200	23	192028
PB1 0-200 MG	1000	0-200	25	189698
PB1 0-200 PO	1000	0-200	23	189628
PB1 0-200	1000	0-200	25	50488
PB1 0-200 / PU	1000	0-200	23	189558
PB1 200-500 AMG	1000	200-500	48	192108
PB1 200-500 APO	1000	200-500	46	192038
PB1 200-500 MG	1000	200-500	48	189708
PB1 200-500 PO	1000	200-500	46	189638
PB1 200-500	1000	200-500	47	50498
PB1 200-500PU	1000	200-500	46	189568
PB1 500-800 AMG	1000	500-800	75	192118
PB1 500-800 APO	1000	500-800	71	192048
PB1 500-800 MG	1000	500-800	75	189718
PB1 500-800 PO	1000	500-800	71	189648
PB1 500-800	1000	500-800	71	50508
PB1 500-800 / PU	1000	500-800	71	189578
PB1 700-1000 AMG	1000	700-1000	99	192128
PB1 700-1000 APO	1000	700-1000	95	192058
PB1 700-1000 MG	1000	700-1000	99	189728
PB1 700-1000 PO	1000	700-1000	95	189658
PB1 700-1000	1000	700-1,000	78	50518
PB1 700-1000PU	1000	700-1000	95	189588
PB3 200-500 / APU	3000	200-500	130	192528
PB3 200-500 PU	3000	200-500	131	88368
PB3 500-800 APU	3000	500-800	177	192538
PB3 500-800 PU	3000	500-800	181	88378

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## PL - lifting clamp for beam profiles

Hoisting clamp for hoisting I or H beams. With automatic unlocking. Hoisting clamp is equipped with a handle for easy operation.

\*PL3: for each profile > 420 mm, the clamp must be retracted from the end of the beam.

- Semi automatic
- Easy to use
- Hot Epoxy Coating



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
PL1 95-200	1000	95-200	4	185328
PL2 120-300	2000	120-300	8	185338
PL3 180-450	3000	180-450*	16	185348
PL4 120-300	4000	120-300	14	185358

## KP - lifting clamp for beam profiles

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

Automatic locking with a safety spring.

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

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



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
KP1 0-20	1500	0-20	4	50218
KP2 0-30	3000	0-30	10	50228



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## VDL - drum clamp

Lifting clamp for lifting steel drums with rim, empty or full / open or closed, in horizontal or vertical position. The drum clamp consists of a chain 2-jump and 2 hooks and is equipped with spring for the automatic locking function.

- Horizontal or vertical
- Chain length 516 mm
- Optimal grip by means of spring
- Hot Epoxy Coating



Model	WLL (kg)	Weight (kg)	Product Code
VDL-1	1000	3.5	54398

## HF - drum clamp

Semi-automatic lifting clamp for lifting steel drums with rim in horizontal position with a length of 440 to 920 mm. Equipped with automatic release and handle for easy operation.

- Horizontal
- Semi-automatic
- Hot Epoxy Coating



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

## VLF - drum clamp

Semi-automatic lifting clamp for lifting steel drums (ø 600 mm / 220 l) with rim in vertical position. Equipped with automatic lock and handle for easy operation.

- Vertical
- Semi-automatic
- Barrels ø 600 mm
- Hot Epoxy Coating



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



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## VFR - drum clamp

Lifting clamp for lifting closed steel drums (ø 400-600 mm) in vertical position. Clamping jaw is covered with Nitril for an optimal grip.

- Vertical
- Semi-automatic
- With automatic unlocking
- Hot Epoxy Coating



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

## VFA - drum clamp

Automatic locking and unlocking. Lifting clamp for lifting closed steel drums into vertical position. Clamping jaw is covered with Nitril for an optimal grip.

- Vertical
- Fully automatic
- High stability
- Hot Epoxy Coating



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

## VFB - drum clamp

Clamping jaw is covered with Nitril for an optimal grip.

### Models:

- VFB03-S: semi-automatic unlocking
- VFB03-AR: Reduction gearbox with handwheel for accurate and easy emptying the volume

### Specifications:

- Tilting of drums
- Levers for easy operation
- Sustainable
- Nitril finishing of the clamping jaw for optimal grip
- Available in 2 models
- Hot Epoxy Coating



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



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## SCX-CX - lifting beam for conical pipe sections

Lifting traverse for lifting conical shaped concrete pipe sections.

Model CX1 is standard equipped with a chain 2-jump and has 2 contact points.

Model SCX1, excluding chain 2-jump, has 3 contact points and is ideal for intensive use.

The contact surfaces are covered with polyurethane to prevent damage to the load.

- CX1 normal use
- SCX1 intensive use
- Non marking
- Hot Epoxy Coating



Model	Description	WLL (kg)	Max. Opening (mm)	Weight (kg)	Product Code
CX1	Lifting beam	1000	650	10	52628
SCX1	Lifting beam	1000	650	20	50788
SCXE	Chain 2-jump for SCX1 - L=490 mm	1000	-	2	52618

## TB - lifting hook for pipe sections

Lifting clamp has a large opening for lifting pipe sections. Each clamp is easy to position using the integrated handle. To be used in pairs with chain 2-jump. Lifting chain available on request.

Lifting clamp is available as standard model or with polyurethane (PU) protective pads.

It is especially recommended for use with rough loads.

- Large opening
- Standard handle
- Hot Epoxy Coating



Model		WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
TB1 0-150		500	0-150	4	50798
TB1 0-200		1000	0-200	9	50808
TB3 0-250		1500	0-250	15	50818
TB1 0-125-PU	N	500	0-125	4	189128
TB2 0-175-PU	N	1000	0-175	9	189138
TB3 0-225-PU	N	1500	0-225	15	189148



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## TB hook - sling

Maximum sling angle	Hook	Sling length (of leg)	1 000 mm	2 000 mm	3 000 mm	4 000 mm	5 000 mm
90°	TB	Maximum tube length	1 400 mm	2 800 mm	4 200 mm	5 600 mm	7 000 mm
			2x TB-1	2x TB-2	2x TB-3		
Maximum tube length			≤ 1 000 kg	≤ 2 000 kg	≤ 3 000 kg		
1 400 mm			191708 E2W01600HR/1000	191808 E2W04000HR/1000	191858 E2W04100HR/1000		
2 800 mm			191718 E2W01600HR/2000	191818 E2W04000HR/2000	191868 E2W04100HR/2000		
4 200 mm			191728 E2W01600HR/3000	191828 E2W04000HR/3000	191878 E2W04100HR/3000		
5 600 mm			192738 E2W01600HR/4000	191838 E2W04000HR/4000	191888 E2W04100HR/4000		
7 000 mm			192748 E2W01600HR/5000	191848 E2W04000HR/5000	191898 E2W04100HR/5000		

## Slings 2 x TB1/ < 1000 kg

Model	Product Code
E2W01600HR/1000	191708
E2W01600HR/2000	191718
E2W01600HR/3000	191728
E2W01600HR/4000	191738
E2W01600HR/5000	191748

## Slings 2 x TB2/ < 2000 kg

Model	Product Code
E2W04000HR/1000	191808
E2W04000HR/2000	191818
E2W04000HR/3000	191828
E2W04000HR/4000	191838
E2W04000HR/5000	191848

## Slings 2 x TB3/ < 3000 kg

Model	Product Code
E2W04100HR/1000	191858
E2W04100HR/2000	191868
E2W04100HR/3000	191878
E2W04100HR/4000	191888
E2W04100HR/5000	191898



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## BX - kerbstone clamps

Lifting clamp for lifting 1 m long kerbstones or concrete edgings, manually with two people or mechanically with a 2-legged chain. Clamping force is proportional to the weight of the load. Non-marking clamping jaws.

- Ergonomic lifting
- Length tolerance  $\pm 10$  mm
- Hot epoxy coating

### 4 models available:

- BX12: single handle on both sides.
- BX01D: double handle for ergonomic lifting.
- BX02: automatic locking. For lifting blocks width-ways.
- BX200: clamp for mechanical lifting. Including 2-legged chain. Zinc bichromated coating.



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

## BX accessories

Model	Description	WLL (kg)	Weight (kg)	Product Code
BXE1	2-legged chain for BX12, l=700 mm	120	2	54018
BXE2	2-legged chain for BX02, l=290 mm	200	1	54038

## RB - lifting clamp for concrete pipe sections or manholes



Lifting clamp for lifting concrete pipe sections or round/square manholes. For use in 2 (1,000 kg) or 3 (1,500 kg) clamp configurations. Easy positioning of each clamp due to integrated handle. Clamping force is proportional to the weight of the load.

- Vertical lifting
- Ergonomic handle
- Hot epoxy coating

Model	Description	WLL (kg)	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	1500	1500	4.9	50738



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## F - lifting clamp for pipe sections

Lifting clamp for lifting heavy pipe sections. For use in pairs. Each clamp has a round profile for optimal contact surface with the load. PVC models have a PVC coating for optimal protection of the load. For use in pairs with 2-legged chain. Lifting chain available upon request.

- For loads up to 15.000 kg
- Optional PVC coating or PU pads
- Large opening
- Hot epoxy coating



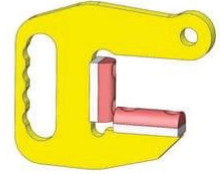
### F clamp with PVC or PU coating

The standard F lifting clamp is also available with PVC coating or with PU (polyurethane) pads for optimal protection. The PVC coating protects against abrasion when used frequently.

Because the PU is more resistant to abrasion than PVC, it is therefore recommended to use it when subjected to abrasive loads.

F hook with PVC coating

F hook with PU pads



Model		WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
F2 0-60		1000	0-60	2	189028
F2-0-60/IIPVC	N	1000	0-60	2	185968
F2-0-45/IIPU	N	1000	0-45	2	189078
F5 0-75		2500	0-75	5	189038
F5-0-75/IIPVC	N	2500	0-75	5	185978
F5-0-55/IIPU	N	2500	0-55	5	189088
F7.5 0-100		3250	0-100	7.5	185958
F7.5-0-100/IIPVC	N	3250	0-100	7.5	185988
F7.5-0-90/IIPU	N	3250	0-90	7.5	189098
F10 - 0-100		5000	0-100	15	189048
F10-0-100/IIPVC	N	5000	0-100	15	185998
F10-0-90/IIPU	N	5000	0-90	15	189108
F15 0-100		7500	0-100	20	189058
F15-0-100/IIPVC	N	7500	0-100	20	189008
F15-0-90/IIPU	N	7500	0-90	20	189118



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.




Available on request. Please enquire about delivery times of these items.



## F hook - sling

Maximum sling angle	Hook	Sling length (of leg)	1 000 mm	2 000 mm	3 000 mm	4 000 mm	5 000 mm
90°	F	Maximum tube length	1 400 mm	2 800 mm	4 200 mm	5 600 mm	7 000 mm

 Maximum tube length	2x F-2	2x F-5	2x F-7.5	2x F-10	2x F-15
	≤ 2 000 kg	≤ 5 000 kg	≤ 7 500 kg	≤ 10 000 kg	≤ 15 000 kg
1 400 mm	191808 E2W04000HR/1000	192258 E2W06700HR/1000	192258 E2W11500HR/1000	192308 E2W17000HR/1000	
2 800 mm	191818 E2W04000HR/2000	192168 E2W06700HR/2000	192268 E2W11500HR/2000	192318 E2W17000HR/2000	
4 200 mm	191828 E2W04000HR/3000	192178 E2W06700HR/3000	192278 E2W11500HR/3000	192328 E2W17000HR/3000	
5 600 mm	191838 E2W04000HR/4000	192188 E2W06700HR/4000	192288 E2W11500HR/4000	192338 E2W17000HR/4000	
7 000 mm	191848 E2W04000HR/5000	192198 E2W06700HR/5000	192298 E2W11500HR/5000	192348 E2W17000HR/5000	

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

Model	Product Code	Model Name
E2W04000HR/1000	191808	E2W04000HR/1000
E2W04000HR/2000	191818	E2W04000HR/2000
E2W04000HR/3000	191828	E2W04000HR/3000
E2W04000HR/4000	191838	E2W04000HR/4000
E2W04000HR/5000	191848	E2W04000HR/5000

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

Model	Product Code
E2W11500HR/1000	192258
E2W11500HR/2000	192268
E2W11500HR/3000	192278
E2W11500HR/4000	192288
E2W11500HR/5000	192298

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

Model	Product Code
E2W06700HR/1000	192158
E2W06700HR/2000	192168
E2W06700HR/3000	192178
E2W06700HR/4000	192188
E2W06700HR/5000	192198

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

Model	Product Code
E2W17000HR/1000	192308
E2W17000HR/2000	192318
E2W17000HR/3000	192328
E2W17000HR/4000	192338
E2W17000HR/5000	192348

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

Model	Product Code	Model Name
E2W11500HR/1000	192258	E2W11500HR/1000
E2W11500HR/2000	192268	E2W11500HR/2000
E2W11500HR/3000	192278	E2W11500HR/3000
E2W11500HR/4000	192288	E2W11500HR/4000
E2W11500HR/5000	192298	E2W11500HR/5000



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



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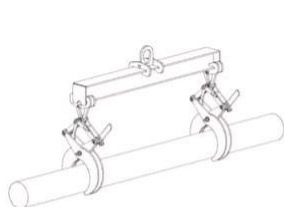
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# RT - lifting clamp for round materials and pipe sections

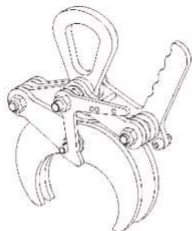
Lifting clamp for lifting round material, pipe sections, profiles or bundles. Recommended to use in pairs. Clamping force is proportional to the weight of the load.

- Vertical lifting
- Automatic unlocking
- Ergonomic handle
- Hot Epoxy Coating

The RT clamp is also available as an automatic version (A), with large pads (TC), with (CR) or without chloroprene coating.



2 RT clamps with lifting beam



RT



Automatic RT



RT with curved pads



RT with curved pads, chloroprene coated

Model		WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
RT05 50-100		500	50-100	4	185368
RT1 100-200		1000	100-200	9	185378
RT2 200-350		2000	200-350	28	185388
RT3 250-450		3000	250-450	40	185398
RTA05 50-100	N	500	50-100	4	189798
RTA1 100-200	N	1000	100-200	9	189808
RTA2 200-350	N	2000	200-350	28	189818
RTA3 250-450	N	3000	250-450	40	189828
RT05 50-100-TC	N	500	50-100	4	189338
RT1 100-200-TC	N	1000	100-200	9	189348
RT2 200-350-TC	N	2000	200-350	28	189358
RT3 250-450-TC	N	3000	250-450	40	189368
RTA05 50-100-TC	N	500	50-100	4	189838
RTA1 100-200-TC	N	1000	100-200	9	189848
RTA2 200-350-TC	N	2000	200-350	28	189858
RTA3 250-450-TC	N	3000	250-450	40	189868
RT05 50-100-CR	N	500	50-100	4	189378
RTA05 50-100-CR	N	500	50-100	4	189878
RT1 100-200-CR	N	1000	100-200	9	189388
RTA1 100-200-CR	N	1000	100-200	9	189888
RT2 200-350-CR	N	2000	200-350	28	189398
RTA2 200-350-CR	N	2000	200-350	28	189898
RT3 250-450-CR	N	3000	250-450	40	189408
RTA3 250-450-CE	N	3000	250-450	40	189908



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## TI - lifting clamp for round materials and pipe sections

Lifting clamp for lifting round material, pipe sections, profiles or bundles. Recommended to use in pairs for long lengths. Clamping force is proportional to the weight of the load.

### 2 models available:

- TIS: Automatic unlocking
- TIA: Fully automatic locking and unlocking
- Both models are available with chloroprene (CR) coating

- Vertical lifting
- Semi- and fully automatic version
- Clamping jaw width: 300 mm
- Hot Epoxy Coating

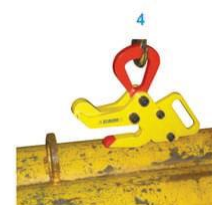
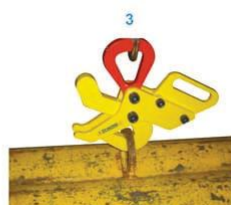
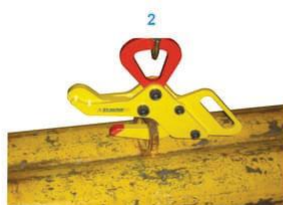


Model		WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
TIA05 230-400		500	230-400	37	50948
TIS05 230-400		500	230-400	35	50938
TIA1 450-900		1000	450-900	64	50988
TIS1 450-900		1000	450-900	64	50978
TIA05 380-650		500	380-650	39	50968
TIS05 380-650		500	380-650	39	50958
TIA 380-650 CR	N	500	380-650	39	189188
TIS 380-650 CR	N	500	380-650	39	189178
TIA 230-400 CR	N	500	230-400	37	189168
TIS 230-400 CR	N	500	230-400	35	189158
TIA1 450-900 CR	N	1000	450-900	64	189208
TIS1 450-900 CR	N	1000	450-900	64	189198

## AH - autohook lifting hook

Fully automatic lifting clamp, specially designed for lifting loads that are not or difficult to reach by the user (temperature, height, aggressive conditions, etc.). Equipped with standard handle for easy positioning. When in position, the opening and closing action is automatic and does not require any user intervention.

- Fully automatic operation
- Maximum safety
- Available up to 10.000 kg
- FEM class A5
- Hot Epoxy Coating



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
AH2-32	2000	0-38	6	185278
AH5-40	5000	0-47.5	16	185288
AH10-40	10000	0-55	30	185298



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## PR - lifting clamp for rail profile

Lifting clamp for vertical lifting of rail profiles (vignole). Equipped with automatic release as standard. Recommended to use in pairs.

- Ergonomic lever
- Semi-automatic
- Especially for vertical lifting a rail
- Hot Epoxy Coating



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
PR1 20-40	1000	20-40	4	185308
PR2 40-80	2000	40-80	9	185318
PR2A 40-80	2000	40-80	9	185428

## GP - beam clamp with screw spindle

The GP spindle beam clamp is quick and easy to mount on a steel beam creating a reliable lifting anchor point. Standard equipped with a locknut to fix the spindle. The opening of the clamping jaws can be adjusted manually for easy positioning and adjustment to the most common profiles.

Hoists such as tirfor® , bravo™, tralift™, minifor™ and tralift™ TS can be easily suspended from the ring. It can also be used for lifting steel beams or as a horizontal anchor point for use in combination with the tirfor® .

- Maximum working load (WLL) 1,000 to 10,000 kg
- Robust design
- Perfect stability
- Suspension eye
- Simple adjustment device



Model	WLL (kg)	Jaw Opening (mm)	Weight (kg)	Product Code
GP1 60-180	1000	60-180	3.6	50158
GP2 60-200	2000	60-200	5.6	50168
GP3 60-300	3000	60-300	8.4	50178
GP5 100-390	5000	100-390	10.8	50188
GP10 100-390	10000	100-390	20.5	50198



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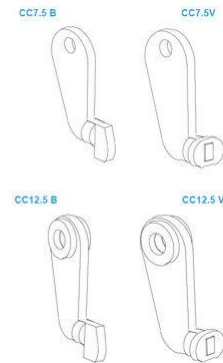
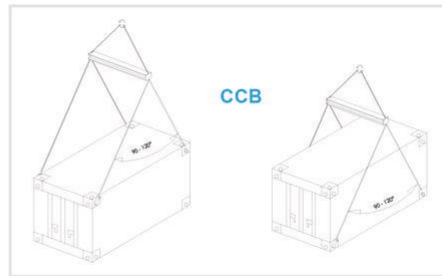
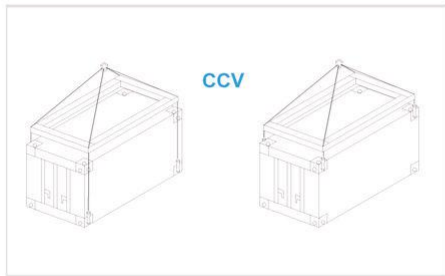
## CC - container lug

Lifting lug for lifting containers, to be secured to the (ISO) corner post. For use in 4 lug configurations (max. total load 50.000 kg).

- Easy to install
- For use in 4 lug configurations
- Max. total load 30 t or 50 t
- Hot epoxy coating

### 2 models:

- CCV: container lifted by the top or bottom, vertical traction.
- CCB: container lifted by the top or bottom, slantwise traction.



Model	WLL (kg)	Direction	Weight (kg)	Product Code
CC7.5 V	7500	vertical	4	50038
CC12.5 V	12500	vertical	5	50048
CC7.5 B	7500	diagonal	4	50058
CC12.5 B	12500	diagonal	5	50068

## CR - C-shaped lifting hook for coils

Suitable for lifting and tilting coils from a horizontal to a vertical position and vice versa. The support hook has a movable mechanism which remains in position under load, to ensure safe movement of the load. Equipped with a handle for easy positioning.

- Range 1.000 to 2.000 kg
- Robust version
- Special versions available upon request



Model	WLL (kg)	Coil Width	Weight (kg)	Product Code
CR05 50-120	500	50-120	5.5	50078
CR1 70-140	1000	70-140	9	50088
CR2 100-200	2000	100-200	16	50098
CR2 160-330	2000	160-330	31	50108



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## T0 - lifting hook for cable reels

Suitable for lifting cable reels. For use in pairs. The opening in the reel must be between 55 and 83 mm. With a serrated finish on one side, which clenches the hook (serrated side pointing downwards) during lifting to keep in position.

- Robust version
- Automatically clenches under load
- For use in pairs
- Max. total load 13.000 kg
- Hot epoxy coating



Model	WLL (kg)	Lifting Eye Radius	Weight (kg)	Product Code
To13	6500	27	3	51198



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## PC - fork-lift truck lifting beam

The PC lifting beam creates a lifting eye between the 2 forks of a forklift truck. Easy to install without the use of tools. The unique design keeps the lifting beam safely on the fork under all circumstances.

- Lifting eye for forklift truck
- Quick and easy to apply
- Unique design
- Safe to use
- Hot Epoxy Coating



Model	WLL (kg)	Fork Width	Weight (kg)	Product Code
PC1.5 120	1500	120	15	50528
PC3 170	3000	170	23	50538

## PC accessories

Model	Description	WLL (kg)	Product Code
C125E	swivel safety eye hook.	1500	104999
C127E	swivel safety eye hook.	3200	105019

## XBag - cross lifting beam for big-bags

Lifting beam for vertical lifting of big-bags or other loads using 4 lifting chains or lifting straps. Lifting points with rounded corners for optimal protection of the lifting straps. Also provided with 4 load eyelets for lifting loads using a harp clasp.

- Robust design
- 4 x load-bearing point for Big-Bag
- 4 x welding eye for harp closure
- Hot Epoxy Coating



Model	WLL (kg)	Load Width	Weight (kg)	Product Code
XBag 1.5	1500	880 - 990	27	54628
XBag 2.5	2500	880 - 990	34	54638
XBag 3.5	3500	880 - 990	40	54648



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



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## TC - load positioning lifting eye

With the TC lifting eye it is possible to lift loads with a single steel wire rope that does not have its centre of gravity in the middle. This makes it possible to balance the load perfectly. Once in position, the clamp, under load, locks the position of the wire rope. Maximum load distribution 30-70% of the total capacity.

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



Model	WLL @ 45°	WLL @ 90°	WLL @ 120°	(Wire/Chain/Reel) Diameter	Weight (kg)	Product Code
TC2 11	2000	1400	7000	11	3	50828
TC3 13	3000	2100	1500	13	5	50838
TC5 18	5000	3500	2500	18	10	50848

## TF - load positioning lifting eye

With the TF lifting eye it is possible to lift loads with a double steel wire rope of which the centre of gravity is not in the middle. This makes it possible to balance the load perfectly.

Once in position, the clamp locks the position of the wire rope during loading. Maximum load distribution 30%-70% of the total capacity.

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



Model	WLL @ 45°	(Wire/Chain/Reel) Diameter	Weight (kg)	Product Code
TF1.5-9	1500	9	4	50888
TF3-13.2	3000	13	8.5	50898
TF5-16.8	5000	17	21.5	50908
TF10-24	10000	24	37.5	50918
TF20-32	20000	32	76.5	50928

## TE - load positioning lifting eye

With the TE lifting eye it is possible to lift loads with one lifting chain of which the centre of gravity is not in the middle. This makes it possible to balance the load perfectly. Once in position, the clamp locks the position of the chain after loading. The chain is unlocked by using the pulling rope. Maximum distribution 30-70% of the total capacity.

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



Model	WLL (kg)	(Wire/Chain/Reel) Diameter	Weight (kg)	Product Code
TE1.6-7	1600	7	4	50858
TE3-10	3000	10	11	50868
TE4.5-13	4500	13	19	50878



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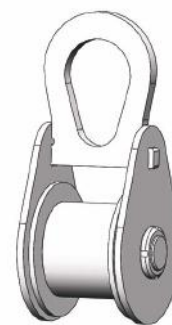


Available on request. Please enquire about delivery times of these items.

## PRB - tilt block

The PRB tilt block is suitable for tilting and lifting coils. In combination with a mono palturm™ also suitable for lifting and tilting heavy and bulky loads. If two PRB blocks are used it is also suitable for manual tilting of loads. The PRB block must be provided with a plastic tipping strap which is custom made to length.

- Tilting loads
- Use with tilt strap
- Extended application
- Tilt strap available on request



Model	WLL (kg)	Weight (kg)	Product Code
PRB2-90	2000	8.2	189768
PRB3-90	3000	11	189778
PRB5-120	5000	24	189788

## palturm™

The palturm™ 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 up to 100 tons

### Important:

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

### Standard configuration:

- Cable remote control, single-speed motorisation
- Protection class IP54
- Design according to FEM A5, lifting speed 30 m/min.

### 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

### Customized advice

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



We will be happy to advise you on the possibilities for a complete customised advice. Please contact our Tractel® Customer Service and Technical Support department via (0031 (0)765435135).



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# magfor™ II - lifting magnet

The latest generation of permanent lifting magnets are suitable for lifting iron-containing round and plate material. The magfor™ lifting magnet combines the extremely powerful 2-pole neodymium iron bore magnet with optimal ease of use. After use, the magnet locks automatically. Safe and controlled disconnection by two-hand operation: the control lever can only be converted if the locking lever is operated at the same time. Almost no residual magnetism after disconnection.

- Capacity up to 5 tons
- Very powerful
- Optimal safety
- Large lifting eye
- Robust design
- Usage: -20 to +80 °C

MAGFOR™ II



MAGFOR™ 3000-5000



detail MAGFOR™ 3000-5000



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	1000	450	41.5	185468
magfor™ II 2000	2000	800	113	185478
magfor™ II 3000	3000	1200	190	192138
magfor™ II 5000	5000	2400	400	192148

The maximum capacity depends on the type of material, shape, surface area and quality of the material to be lifted. We will be happy to advise you in making the best choice.



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## magfor™ II HT - lifting magnet

The HT models are suitable for temperatures up to +250°C, without loss of magnetic properties. The magnet can be used for lifting very warm materials (production after heat treatment, painting, etc.), without cooling them first. This will increase the productivity of your processes.

- High-temperature applications
- Material:  $\leq +250^{\circ}\text{C}$



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

## magfor™ II TP - lifting magnet

The TP models have been designed especially for separating thin plates in a bundle. Due to the magnetic field's unique design, only the top plate will be lifted.

- 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™ II HO - lifting magnet

The HO models have 4 thread holes. This facilitates the permanent assembly of the lifting magnet in a customized solution.

- Attachment: 4 threaded holes
- Customized assembly



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	1000	450	41.5	185588

The maximum capacity depends on the type of material, shape, surface area and quality of the material to be lifted. We will be happy to advise you in making the best choice.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## PEF - lifting beam with fixed lifting eyes

Single lifting beam with fixed lifting eyes. **Optimal safety:** all load-carrying connections have been fixated mechanically (non-load carrying welds). Available upon request: higher capacities, different dimensions and finishes.

- Default capacity up to 6 t
- Fixed lifting eyes
- Hot epoxy coating
- Large lifting eye on top
- Safety factor: 3
- Use: -20 to +100 °C



Model	WLL (kg)	Length (cm)	Weight (kg)	Product Code
PEF1-1000	1000	1000	26	82008
PEF1-2000	1000	2000	43	82018
PEF1-3000	1000	3000	59	82028
PEF1-4000	1000	4000	93	82038
PEF1-5000	1000	5000	167	82048
PEF2-1000	2000	1000	26	82058
PEF2-2000	2000	2000	53	82068
PEF2-3000	2000	3000	106	82078
PEF2-4000	2000	4000	137	82088
PEF2-5000	2000	5000	198	82098
PEF3-1000	3000	1000	33	82108
PEF3-2000	3000	2000	83	82118
PEF3-3000	3000	3000	113	82128
PEF3-4000	3000	4000	162	82138
PEF3-5000	3000	5000	240	82148
PEF4-1000	4000	1000	52	82158
PEF4-2000	4000	2000	83	82168
PEF4-3000	4000	3000	140	82178
PEF4-4000	4000	4000	197	82188
PEF4-5000	4000	5000	295	82198
PEF5-1000	5000	1000	68	82208
PEF5-2000	5000	2000	104	82218
PEF5-3000	5000	3000	165	82228
PEF5-4000	5000	4000	244	82238
PEF5-5000	5000	5000	348	82248
PEF6-1000	6000	1000	69	82258
PEF6-2000	6000	2000	123	82268
PEF6-3000	6000	3000	194	82278
PEF6 - 4000	6000	4000	288	82288
PEF6-5000	6000	5000	392	82298

The product code is a piece. Accessories such as slings, hooks, chain, etc., are not supplied as standard unless otherwise indicated.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# PEM - lifting beam with adjustable lifting eyes

Single lifting beam with fixed lifting eye at the top and 2 adjustable lifting eyes at the bottom, which can be adjusted in 100 mm increments without using any tools. **Optimal safety:** all load-carrying connections have been fixated mechanically (non-load carrying welds). Available upon request: higher capacities, different dimensions and finishes.

- Default capacity up to 6 t
- Adjustable
- Large lifting eye on top
- Safety factor: 3
- Use: -20 to +100 °C



Model	WLL (kg)	Length (cm)	Weight (kg)	Product Code
PEM1-1000	1000	400 - 1.000	26	82308
PEM1-2000	1000	1.000 - 2.000	43	82318
PEM1-3000	1000	1.000 - 3.000	59	82328
PEM1-4000	1000	2.000 - 4.000	93	82338
PEM1-5000	1000	2.000 - 5.000	167	82348
PEM2-1000	2000	400 - 1.000	26	82358
PEM2-2000	2000	1.000 - 2.000	53	82368
PEM2-3000	2000	1.000 - 3.000	106	82378
PEM2-4000	2000	2.000 - 4.000	137	82388
PEM2-5000	2000	2.000 - 5.000	198	82398
PEM3-1000	3000	400 - 1.000	33	82408
PEM3-2000	3000	1.000 - 2.000	83	82418
PEM3-3000	3000	1.000 - 3.000	113	82428
PEM3-4000	3000	2.000 - 4.000	162	82438
PEM3-5000	3000	2.000 - 5.000	240	82448
PEM4-1000	4000	400 - 1.000	52	82458
PEM4-2000	4000	1.000 - 2.000	83	82468
PEM4-3000	4000	1.000 - 3.000	140	82478
PEM4-4000	4000	2.000 - 4.000	197	82488
PEM4-5000	4000	2.000 - 5.000	295	82498
PEM5-1000	5000	400 - 1.000	68	82508
PEM5-2000	5000	1.000 - 2.000	104	82518
PEM5-3000	5000	1.000 - 3.000	165	82528
PEM5-4000	5000	2.000 - 4.000	244	82538
PEM5-5000	5000	2.000 - 5.000	348	82548
PEM6-1000	6000	400 - 1.000	69	82558
PEM6-2000	6000	1.000 - 2.000	123	82568
PEM6-3000	6000	1.000 - 3.000	194	82578
PEM6-4000	6000	2.000 - 4.000	288	82588
PEM6-5000	6000	2.000 - 5.000	392	82598

The product code is a piece. Accessories such as slings, hooks, chain, etc., are not supplied as standard unless otherwise indicated.

# PAL-BEAM - lifting beam

Single lifting beam with fixed lifting eye at the top and 2 fixed lifting points (stud bolts) at the bottom. See accessories for matching swivel safety eye hook.

**Optimal safety:** all load-carrying connections have been fixated mechanically (non-load carrying welds). Available upon request: higher capacities, different dimensions and finishes.

- Default capacity up to 5 t
- Fixed lifting points (bolt)
- Hot epoxy coating
- Large lifting eye on top
- Safety factor: 3
- Use: -20 to +100 °C



Model	WLL (kg)	Length (cm)	Weight (kg)	Product Code
PBFA1-A	1000	1000	33	51338
PBFA1-D	1000	2000	52	51368
PBFA1-G	1000	3000	72	51398
PBFB1-J	1000	4000	141	51428
PBFA2-A	2000	1000	33	51438
PBFB2-D	2000	2000	80	51468
PBFB2-G	2000	3000	110	51498
PBFC2-J	2000	4000	167	51528
PBFB3-A	3000	1000	50	51538
PBFB3-D	3000	2000	80	51568
PBFE5-G	5000	3000	223	51798
PBFD3-J	3000	4000	202	51628
PBFC4-A	4000	1000	60	51638
PBFC4-D	4000	2000	80	51668
PBFD4-G	4000	3000	160	51698
PBFE5-J	5000	4000	283	51828
PBFD5-A	5000	1000	75	51738
PBFD5-D	5000	2000	117	51768
PBFC3-G	3000	3000	131	51598
PBFE4-J	4000	4000	283	51728

## Accessories

Model	Description	WLL (kg)	Product Code
C125E	swivel safety eye hook.	1500	104999
C127E	swivel safety eye hook.	3200	105019
C126E	swivel safety eye hook.	2500	105009

Can be used in packs of 2.

The product code is a piece. Accessories such as slings, hooks, chain, etc., are not supplied as standard unless otherwise indicated.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.

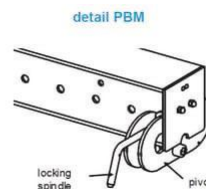


Available on request. Please enquire about delivery times of these items.

## PBM PAL-BEAM lifting beam with adjustable lifting eyes

Single lifting beam with fixed lifting eye at the top and 2 adjustable lifting points (stud bolts) at the bottom, which can be adjusted in 100 mm increments without using any tools. **Optimal safety:** all load-carrying connections have been fixated mechanically (non-load carrying welds). Available upon request: higher capacities, alternative dimensions and finishes.

- Length tolerance  $\leq 1,500$  mm: 3 adjustment points per side
- Length tolerance  $> 1,500$  mm: 5 adjustment points per side
- Default capacity up to 5 t
- Adjustable lifting points (bolt) - Large lifting eye on top
- Hot epoxy coating
- Safety factor: 3 - Use: -20 to +100 °C



Model	WLL (kg)	Length (mm)	Weight (kg)	Product Code
PBMA1-A	1000	1000	33	51838
PBMA1-D	1000	2000	52	51868
PBMA1-G	1000	3000	72	51898
PBMB1-J	1000	4000	141	51928
PBMA2-A	2000	1000	33	51938
PBMB2-D	2000	2000	80	51968
PBMB2-G	2000	3000	110	51998
PBMC2-J	2000	4000	167	52028
PBMB3-A	3000	1000	50	52038
PBMB3-D	3000	2000	80	52068
PBMC3-G	3000	3000	131	52098
PBMD3-J	3000	4000	202	52128
PBMC4-A	4000	1000	60	52138
PBMC4-D	4000	2000	80	52168
PBMD4-G	4000	3000	160	52198
PBME4-J	4000	4000	283	52228
PBMD5-A	5000	1000	75	52238
PBMD5-D	5000	2000	117	52268
PBME5-G	5000	3000	223	52298
PBME5-J	5000	4000	283	52328

## PBM accessories

Model	Description	WLL (kg)	Product Code
C125E	swivel safety eye hook.	1500	104999
C127E	swivel safety eye hook.	3200	105019
C126E	swivel safety eye hook.	2500	105009

Can be used in packs of 2. The product code is a piece. Accessories such as slings, hooks, chain, etc., are not supplied as standard unless otherwise indicated.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



2.

# Measure & Control





## Load link dynamometers

Page 100–107

## Mechanical & Electronic load monitoring

Page 108–113

## Tension meters

Page 114–116

- ☐ Available on request. Please ask about the delivery time of these articles.
- ☒ Order on day 1, shipment no later than day 3 (maximum quantities apply).
- ☐ Order products on day 1, shipment no later than day 2.

# dynafor™ load indicators



## Industrial standard

Years of worldwide experience in Research & Development of lifting & handling equipment have enabled Tractel® to compile a very extensive product range for measuring weights and tensile forces.

The dynafor™ can be used as a stand-alone application, but combined with ZigBee 2.4 GHz technology, it can also be used in very complex projects with up to 8 load cells working simultaneously. Default models ranging from 20 kg to 250t. In addition, Tractel™ can adapt load cells to your specific requirements. We are happy to advise you on the various possibilities.

## Features:

- High accuracy
- Extensive product range
- Robust/industrial design
- Very extensive features
- Wireless connection for remote measurements
- Very long battery life
- Full traceability
- PC connection by USB
- Wireless connection
- Bluetooth connection
- Simultaneous reading of multiple load cells
- Specials upon request



## Accuracy

The dynafor™ has a very high measuring accuracy of no less than 0.1% of the measuring range. Each dynafor™ is calibrated and adjusted by using testing equipment with full traceability.

- Calibrating means checking whether the dynafor™ complies with the established product features.
- Adjustment means adjusting and setting the dynafor™ to bring it into conformity with the product features.

## Monitoring Software:

Real-time displaying, managing, storing and editing the measuring data of up to 8 load cells digitally on your PC? The monitoring software will offer you these possibilities by using a PC USB link with the Dynafor™ ZigBee 2.4GHz technology.

The intuitive operation enables you to easily configure our own dynafor™ network, to assign groups and to set summations and parameters such as measuring frequencies, reading speeds, measuring units, etc.

## Wireless connection:

Based on the principle of strain gauge extension measurement, the sensor generates an electrical signal which is processed and analyzed by a built-in microprocessor, which transmits the information to a wireless accessory. Equipped with radio 2.4 GHz (RF) and Bluetooth (BLE) chipsets, the dynafor™ Pro provides a wireless range of:

- 400m to Tractel® dynafor™ HDD, (200m) large displays AL128 and software accessories
- 30 m to any smartdevice equipped with our free dynafor™ Tractel App on iOS or Android



We are happy to advise you on the various possibilities.



# handifor™ digital weigher

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

- Convenient and light-weight
- Robust
- Easy to use
- Reading on large screen

Specifications:

- 5-digit LCD display, 14 mm
- Safety factor: at least 4 times WLL
- Accuracy: 0.5% of measuring range
- Units: kg, daN, lbs
- Protection class: IP40
- Operating temperature: -10 to +50 °C
- In conformity with: CEM2004/108/C

Functional:

- On/Off
- Taring
- Max. measured value peak mode
- Automatic zeroing
- Automatic shutdown
- Battery life (2 AA): 100 hours
- Overload indication



Delivery includes the handifor™, S-hook and carabiner hook, CE certificate and user manual. Supplied in sturdy cardboard packaging.

Model	W.L.L (kg)	Accuracy (kg)	Min. Value	Weight (kg)	Product 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



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# dynafor™ ranges

dynafor™ ranges - for accurately measuring loads			
Product	dynafor™ Industrial	dynafor™ Pro	dynafor™ Expert
Accuracy	0.3% FS	0.2% FS	0.1% FS
Capacity	1t to 20t	1t to 250t	0.5t to 10t
Functions	Tare, Peak hold, Units change (kg, t, daN, lbs, ton (US))	As dynafor™ Industrial plus Settable alarm, Single data saving, Sum recording, Multiple readings	As dynafor™ Pro
Display	Display integrated on the load cell with 18mm digits	<p>Multiple display options</p> <p>Multiple reading of loadcells on the HHD, wireless range up to 400m.</p> <p>Free app compatible with Android and iOS devices.</p> <p>Available on the App Store</p> <p>GET IT ON Google Play</p> <p>Robust remote handheld device with unique colour display (LCD)</p> <p>With robust protection case</p> <p>AL128 giant remote display with 1 to 4 loadcells, wireless range up to 200m.</p>	As dynafor™ Pro
Battery life	Up to 300h	Up to 1000h	Up to 1000h
IP rating	IP64 as standard	IP64 as standard, IP67 available as option	As dynafor™ Pro
Accessories	Compatible with bow shackles	<p>Connection with softwares (real-time monitoring + unloading data saved in the HHD).</p> <p>Compatible with shackles</p> <p>DMU</p>	As dynafor™ Pro
Applications	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 Heavy lift Projects Research & Development Projects Load balancing Load Monitoring on lifting equipments	Overhead Weighing Force measurement testing Towing applications Safety and lifting applications Research & Development Projects Load balancing Load Monitoring on lifting equipments
			

# dynafor™ Industrial

Featuring an integrated display, the dynafor™ Industrial load indicator provides great value, with an accuracy of 0.3% of maximum measuring range.

- I.P. 64.
- Range from 1 to 20t.
- Accuracy 0.3% measuring range.
- Compatible with standard lifting accessories.
- Accuracy and traceability certified by adjustment certificate (5 points).
- Units: kg, t, daN, kN, Lbs, ton (US)
- Functions: Tare, Peak load
- Automatic stop: 20min without load variation
- Integrated LCD display: 17.8 mm digits
- Autonomy of 350 h (2 x "AAA")
- Indication of battery discharge status



Model	W.L.L. (t)	Weight (kg)	Productcode
dynafor™ Industrial 1T	1	0.75	260889
dynafor™ Industrial 3.2T	3.2	0.93	260899
dynafor™ Industrial 6.3T	6.3	1.44	260909
dynafor™ Industrial 12.5T	12.5	3.22	260919
dynafor™ Industrial 20T	20	4.95	260929

Delivered in a plastic case with 1 calibration certificate, instructions for use and CE certificate.

## Bow shackle and swivel hook for dynafor™



**Bow shackle**



**Swivel hook**

Model	Product Code
Bow shackle 0.5 - 3.2 t	47916
Bow shackle 5 - 6.5 t	47926
Bow shackle 10 -15 t	47936
Bow shackle 20 - 25 t	47946

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

## Option: supression of the automatic time-off

Model	Product Code
dynafor™ Industrial supression	281097

# dynafor™ Pro

The latest addition to the dynafor™ range. Versatile, robust and connected, the dynafor™ Pro integrates perfectly to all your weighing and force measurement applications.

When used in conjunction with our new dynafor™ HHD remote display, our AL128 giant display or our various software packages, the dynafor™ Pro offers a multitude of functions. It is therefore suitable for all your professional requirements.

Equipped with a Bluetooth module, the dynafor™ Pro offers a wireless range of up to 30 m to any smartphone or tablet equipped with our **free dynafor™ App on iOS or Android**.

- I.P. 64.
- Wide range from 1 to 250t.
- Accuracy 0.2% measuring range.
- Compatible with standard lifting accessories.
- Wireless range up to 400m using dynafor™ HHD remote displays, 200m AL128 giant displays and software.
- Wireless range 30m with any Android or iOS device equipped with our free dynafor™ App.
- Complies with current standards.
- Precision and traceability certified by calibration certificate (5 points).



## Purchase HHD display - Special offer

HHD display is extra cost-effective when purchased directly in combination with the dynafor™ Pro.

Compatible with many accessories.

Delivered in a case with 1 calibration certificate, instructions for use and CE certificate.

Model	W.L.L (t)	Accuracy	Weight (kg)	Product Code
dynafor™ Pro 1t	1	0.2	0.7 kg	293369
dynafor™ Pro 1t   with HHD	1	0.2	0.7 kg	359000
dynafor™ Pro 3.2t	3.2	0.2	0.86 kg	293379
dynafor™ Pro 3.2t   with HHD	3.2	0.2	0.86 kg	359010
dynafor™ Pro 6.5t	6.5	0.2	1.6 kg	293389
dynafor™ Pro 6.5t   with HHD	6.5	0.2	1.6 kg	359020
dynafor™ Pro 15t	15	0.2	3.66 kg	293399
dynafor™ Pro 15t   with HHD	15	0.2	3.66 kg	359030
dynafor™ Pro 25 t	25	0.2	5.33 kg	293409
dynafor™ Pro 25 t   with HHD	25	0.2	5.33 kg	359040
dynafor™ Pro 50t	50	0.2	11.45 kg	293419
dynafor™ Pro 50t   with HHD	50	0.2	11.45 kg	359050
dynafor™ Pro 100t	100	0.2	27.48 kg	293429
dynafor™ Pro 100t   with HHD	100	0.2	27.48 kg	359060
dynafor™ Pro 250t	250	0.2	97.98 kg	293439
dynafor™ Pro 250t   with HHD	250	0.2	97.98 kg	359070

Suitable for use with various accessories.

Delivered in a plastic case with 1 calibration certificate, operating manual and CE-certificate.

## NEW! display HHD (optional)

- Universal display, for simultaneous connection of up to 4 sensors.
- Full colour display.
- Protective cover included.
- Intuitive operation.
- 48 hours of autonomy via rechargeable battery.



Model	Product Code
Separate display dynafor™ HHD	293449

## AL128 Display - dynafor™ AL128

- Range 200m between sensor and display.
- Up to 4 simultaneous sensors.
- Tare, units, peak load functions.



Model	Product Code
AL 128 display kit	293489
Adjustment software	199529
Bus cable RS485, per metre	25871
Connection Unit BR	244019
Display power supply 110/230VAC -> 24 VDC	199046

## I.P. 67 | optional

Model	Product Code
IP 67 Option	281077

## Bow shackle and swivel hook for dynafor™



**Bow shackle**



**Swivel hook**

Model	Product Code
Bow shackle 0.5 - 3.2 t	47916
Bow shackle 5 - 6.5 t	47926
Bow shackle 10 -15 t	47936
Bow shackle 20 - 25 t	47946
Swivel hook 1 - 3.2 t	40977
Swivel hook 6.3 - 6.5 t	105567
Swivel hook 12.5t	113227
Swivel hook 20 t	105587

## Software + calibration certificate dynafor™ Pro

- Software - for downloading data stored on the HHD display to a PC.
- Monitoring Software - for a complete real-time monitoring solution.

Model Name	Product Code
dynafor™ Loader Software	293509
dynafor™ Monitoring Software	68968
Calibration certificate according to ISO 376 - 0.5 to 10 t	109407
Calibration certificate according to ISO 376 standard - 25t to 50t	109417



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

TRIED, TESTED, TRACTEL®

# dynafor™ Expert

The new dynafor™ Expert has brand new electronics. The dynafor™ Expert has an improved reach, and makes it possible to connect to a smartphone or tablet. It furthermore has the same functionality as the dynafor™ Pro. Thanks to its special design, the dynafor™ Expert offers unparalleled precision and applicability.

Equipped with a Bluetooth module, the dynafor™ Expert offers a wireless range of up to 30 m to any smartphone or tablet equipped with our **free dynafor™ App on iOS or Android**.

- I.P. 64.
- Wide range from 0.5 to 10t.
- Accuracy 0.1% measuring range.
- Compatible with standard lifting accessories.
- Wireless range 400m on dynafor™ HHD displays, 200m large AL128 displays and Tractel® software.
- Wireless range of 30m with any Android or IOS device equipped with our free dynafor™ app.
- Complies with current standards.
- Precision and traceability certified by an adjustment certificate (5 points).



## Purchase HHD display - Special offer

HHD display is extra cost-effective when purchased directly in combination with the dynafor™ Expert.

Model	W.L.L (t)	Accuracy	Weight (kg)	Product Code
dynafor™ Expert 0,5t	0,5	0.1	2.3 kg	293299
dynafor™ Expert 0,5t   with HHD	0,5	0.1	2.3 kg	359080
dynafor™ Expert 1t	1	0.1	2.3 kg	293309
dynafor™ Expert 1t   with HHD	1	0.1	2.3 kg	359090
dynafor™ Expert 2t	2	0.1	2.3	293319
dynafor™ Expert 2t   with HHD	2	0.1	2.3	359100
dynafor™ Expert 3,2t	3,2	0.1	2.3	293329
dynafor™ Expert 3,2t   with HHD	3,2	0.1	2.3	359110
dynafor™ Expert 5t	5	0.1	3.35 kg	293339
dynafor™ Expert 5t   with HHD	5	0.1	3.35 kg	359120
dynafor™ Expert 6,3t	6,3	0.1	3.35 kg	293349
dynafor™ Expert 6,3t   with HHD	6,3	0.1	3.35 kg	359130
dynafor™ Expert 10t	10	0.1	6.45	293359
dynafor™ Expert 10t   with HHD	10	0.1	6.45	359140

Suitable for use with various accessories.

Delivered in a plastic case with 1 calibration certificate, operating manual and CE-certificate.

## NEW! display HHD (optional)

- Universal display, for simultaneous connection of up to 4 sensors.
- Full colour display.
- Protective cover included.
- Intuitive operation.
- 48 hours of autonomy via rechargeable battery.



Model	Product Code
Separate display dynafor™ HHD	293449



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## AL128 Display - dynafor™ AL128

- Range 200m between sensor and display.
- Up to 4 simultaneous sensors.
- Tare, units, peak load functions.



Model	Product Code
AL 128 display kit	293489
Adjustment software	199529
Bus cable RS485, per metre	25871
Connection Unit BR	244019
Display power supply 110/230VAC -> 24 VDC	199046

## I.P. 67 | optional

Model	Product Code
Option I.P. 67	281067

## Bow shackle and shackle for dynafor™



**Bow shackle**



**Shackle**

Model	Product Code
Bow shackle 0.5 - 3.2 t	47916
Bow shackle 5 - 6.5 t	47926
Bow shackle 10 -15 t	47936
Bow shackle 20 - 25 t	47946
Shackle 0.5-3.2 t	111407
Shackle 5 - 6.3 t	111417
Shackle - 10 t	112207

## Software + calibration certificate dynafor™ Expert

- Software - for downloading data stored on the HHD display to a PC.
- Monitoring Software - for a complete real-time monitoring solution.

Model Name	Product Code
dynafor™ Loader Software	293509
dynafor™ Monitoring Software	68968
Calibration certificate according to ISO 376 - 0.5 to 10 t	109407
Calibration certificate according to ISO 376 standard - 25t to 50t	109417



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# dynasafe™ Mecha

The new dynasafe™ Mecha range is a further development of the existing HF31 and HF32 load limiters from Tractel. These dynasafe™ Mecha load limiters offer a cost-effective and robust solution that is quick and easy to install on the fixed lifting cable of a lifting system, making it ideal for use with overhead travelling cranes, wire rope hoists, lifts or other lifting applications. The dynasafe™ Mecha is equipped with two independent switches, each with an adjustable threshold. The threshold value of the switch is set, using fine screws, according to the requested maximum and/or minimum value applicable to the fixed part of the lifting system. Each switch can be connected to various power and control devices (alarm, flash lamp, hoisting relay, etc.).

- Simple and economical solution for load limitation
- Easy installation on the lifting cable
- Capacity 3.2t | 6t | 12t
- Protection class: IP63
- Operating temperature: -30 to +80 °C
- In conformity with 2006/42/CE
- With connector and 2 m cable
- Mechanically adjustable
- Automatic reset if wire rope unloaded



## The dynasafe™ Mecha is available in 3 versions:

- Mecha 3.2 - for load capacity from 200 daN to 3200 daN at the wire (5-16 mm)
- Mecha 7 - for load capacity from 500 daN to 7000 daN at the wire (17-26 mm)
- Mecha 12 - for load capacity from 1000 daN to 12000 daN at the wire (27-36 mm)

Model	W.L.L (kg)	Rope Diameter (mm)	Product Code
dynasafe™ Mecha 3.2	3200	5-16	293599
dynasafe™ Mecha 7	7000	17-26	38658
dynasafe™ Mecha 12	12000	27-36	38668

## Option: default setting

Model	Description	Product Code
Default setting (per threshold)	For dynasafe™ Mecha 3.2	281407
Default setting	For dynasafe™ Mecha 7 and dynasafe™ Mecha 12	73887



Order products on day 1, will be shipped no later than day 2



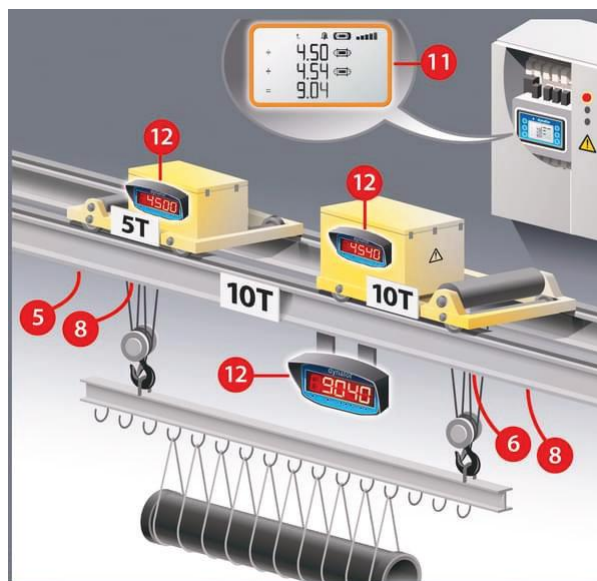
Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



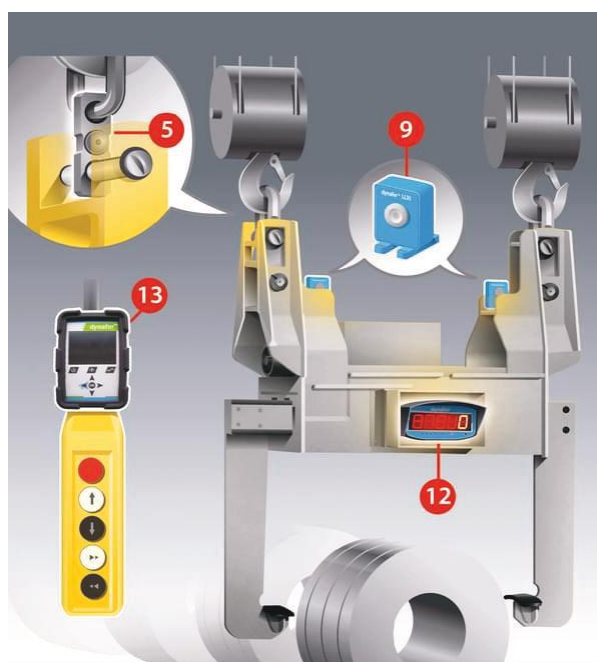
Available on request. Please enquire about delivery times of these items.

## Applications

- Cargo receipt control
- Protection against unintentional overloading
- Overload and slack cable control
- Checking the load on the hoist
- Resistance test and control
- Industrial process management
- Management of summation thresholds



- Inventory management





**Fixed point installation**

## dynasafe™ HF 05

- Mounted on dead strand or integrated in a machine.
- Compact equipment.
- Unit delivered with 2 adjustable thresholds.
- Breaking capacity 230V/5A.
- Allows the user to use an "all or nothing" signal.

Model	W.L.L. (kg)	Trip Points	Product Code
HF05/1/A2/AL	500	2	43508
HF05/2/A2/AL	1250	2	46188
HF05/3/A2/AL	2000	2	43528

## Option: default setting

Model	Product Code
Default setting	73887



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## dynasafe™ load cells

- The dynasafe™ series have been developed especially for measuring loads.
- All load cells have a measuring cell which generates an output signal, depending on the load.
- The output signal can then be processed by using a Tractel® monitor or display

## dynasafe™ HF10 - dead-end installation

Load cell for dead-end installation, based on strain gauge technology.

It is used to show loads on a display or to process signals in load protection systems.

For use in combination with HF80 monitor or Tractel® accessories.

### Specifications:

- WLL: 20kg - 20t
- Output signal options: mV/V, frequency, 0-10V, 4-20 mA,



## dynasafe™ HF35 - installation on wire rope

Load cell for installation on wire rope, based on strain gauge technology.

It is used to show loads on a display or to process signals in load protection systems.

For use in combination with HF80 monitor or Tractel® accessories.

### Specifications:

- Cable: 5-45mm
- WLL: 20kg - 20t
- Output signal options: mV/V, frequency, 0-10V, 4-20 mA



## dynasafe™ HF50 - load pin

Load pin, based on strain gauge technology. It is used to show loads on a display or to process signals in load protection systems. For use in combination with HF80 monitor or Tractel® accessories

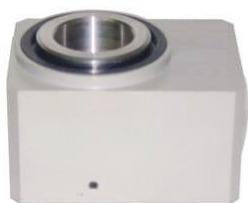
### Specifications:

- WLL: 50kg - 1000t
- Output signal options: mV/V, frequency, 0-10V, 4-20 mA

For more information about our measurement and control equipment and other special applications, please contact Tractel® (0031 (0)765435135).



Other types of load cells made to measure: traction, compression, shear, bending, etc. from 20 kg to 1000 t are available on request.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

Safety is a major concern for all companies that handle loads using lifting equipment. Accidental overloading can have dramatic consequences on the physical integrity of people and the effective lifespan of lifting equipment. The dynafor™ DMU Monitor combined with the other elements of the dynafor™ and dynasafe™ ranges has been specially developed to meet these requirements.

for:

- Prevent dangerous situations due to overloading
- To guarantee the lifespan of lifting equipment

The dynafor™ DMU monitor is mainly intended to be used as an electronic assistance solution for load or effort management in the industrial field. It is particularly appreciated on overhead cranes, where it ensures the intelligent management of safety thresholds thanks to the integrated relays. Various available options such as: wired high visibility LED display, portable LCD display with radio link, PC connection, etc.

- Safety equipment allowing the management of 5 thresholds for power equipment control.
- Individual and combined sensor management (up to 4 sensors).
- Wireless connection with dynafor™ Pro and Expert sensors.
- Wired connection with sensor equipped with dynafor™ Transmitter RS.
- Use with AL128 possible.



## DMU - dynafor™ monitoring unit

Monitor BUS 485 or Zigbee inputs

- Outputs 5 "All Or Nothing" relays.
- Sum function
- Load display
- Filtering of dynamic effects
- Black box

Model	Product Code
dynafor™ Monitoring Unit	293479
Monitoring power supply 110/230VAC -> 24 VD	199046
Bus cable RS485, per metre	25871
Connection Unit BR	244019
Adjustment software	199529

Model	Product Code
Transmitter WL	293459
Transmitter RS	293469
Adjustment software	199529

Adjustment software required for initial installation.  
Allows calibration of the sensors.



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Available on request. Please enquire about delivery times of these items.



# AL128 Display - dynafor™ AL128

The AL system has been developed especially to show the current load on a large display. It is possible to include 1 to 4 load cells in the network and to display them with the auto sum feature.

Functional:

- Taring, peak hold and unit display selection by using TLC remote control
- Adjustable dynamic effect filter
- Network communication by BUS RS485
- Addition to the dynafor™ Pro and Expert series

Various configurations are possible using the RS485 network technology.

The AL 128 display has a transmitter, ZigBee 2.4 GHz, which can be combined with the dynafor™ monitor series. This enables reading data on multiple handheld displays and storing measuring data by using monitoring software.

Default installation includes at least:

- 1 dynafor™ AL display
- 1 or 4 load cells (maximum 4)
- 1 dynafor™ transmitter RS or WL module
- 1 RS 485 bus cable
- 1 connecting unit

Separate components and equipment are also available separately.



Model	Product Code
AL 128 display kit	293489
Adjustment software	199529
Bus cable RS485, per metre	25871
Connection Unit BR	244019
Display power supply 110/230VAC -> 24 VDC	199046

## AL 128 accessories

Model	Product Code
Transmitter WL	293459
Transmitter RS	293469
Zigbee TLC remote control	293499
Connection Unit BR	244019
Bus cable RS485, per metre	25871
Display power supply 24 VDC	199046
Adjustment software	199529



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Available on request. Please enquire about delivery times of these items.

TRIED, TESTED, TRACTEL®

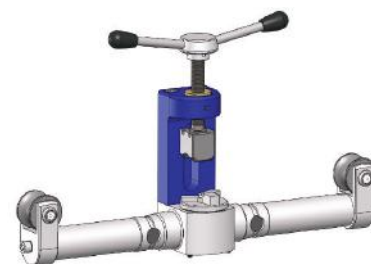
# dynarope™ HF36 tension meter

The dynarope™ tension meter is a precision device for measuring forces in a tensioned cable or rope. The meter can be attached directly to the cable. When the tension meter is placed on a tensioned cable, the load cell will generate a signal which is proportional to the force.

**Applications:** antenna wires, suspension bridges, electronics, sailing ships, etc.

There is a large variety of cables, each cable having its own characteristics such as composition, diameter, rigidity, density, etc. The database includes several basic wire rope data. We are happy to help you choose the right model and parameter settings in our wire rope database.

The HF36 series have a standard USB link for managing and storing measurement results on a PC. Can also be used as stand-alone.



## HF36 delivery (kit) includes:

Plastic case, measuring sensor, handheld display + LPT cable, USB cable, batteries and software loader light

- Can be placed directly on cable or rope
- Stand-alone or PC connection (HF36)
- Extensive wire rope database
- IP 65
- Storing measurement results
- Customized setting
- Accuracy: <1 to 5% full scale



Model	Description	W.L.L (Kn)	Rope Diameter (mm)	Product Code
HF36/1/LPT	complete kit	2-50	5-13	187938
HF36/2/LPT	complete kit	4-200	9-28	187948
HF36/3/LPT	complete kit	5-400	20-44	187958

## Options & accessories HF36

Model	Product Code
dynarope™ HF 36/1/LPT, separate sensor	190598
dynarope™ HF 36/2, separate sensor	190608
USB cable (display/PC)	230327
Case HF 36/1/LPT	230517
Case HF 36/2/LPT	230527

## Software HF36

Model	Product Code
Software - Specific calibration in addition to the database	111347
Software Loader: Light - transferring data to PC	193008
Software Loader: Tech Option - wire rope database online update	193018
Software Loader: Full Option - Loader Tech + wire rope database management	187978
Software Loader: Monitor Option - displaying, managing and storing measuring data on PC.	193028



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# dynarope™ HF37 tension meter

The dynarope™ tension meter is a precision device for measuring forces in a tensioned cable or rope. The meter can be attached directly to the cable and has a fixed display.

**Applications:** antenna wires, suspension bridges, electronics, sailing ships, etc.

When the tension meter is placed on a tensioned cable, the load cell will generate a signal which is more or less proportional to the force.

There is a large variety of cables, each cable having its own characteristics such as composition, diameter, rigidity, density, etc. The database includes several basic wire rope data.

The HF 37 series can be connected to a PC for managing and storing measurement results.

## Delivery (kit) includes:

Plastic case, measuring sensor with display, batteries, USB cable and software loader light.

Including: CE certificate, calibration report and user and maintenance manual.

A convenient weigher including hooks for measuring small weights quickly and easily.

- Can be placed directly on cable or rope
- Extensive wire rope database
- IP 65
- Customized setting
- Accuracy: <1 to 5% full scale
- Cables 5-18 mm



Model	Description	W.L.L (daN)	Rope Diameter (mm)	Product Code
HF37/1/LPT	complete kit	50 - 1500	5 - 13	190008
HF37/2/LPT	complete kit	100 - 3000	5 - 16	190018

## Software HF37

Model	Product Code
Software - Specific calibration in addition to the database	111347
Software Loader: Light - transferring data to PC	193008
Software Loader: Tech Option - wire rope database online update	193018
Software Loader: Full Option - Loader Tech + wire rope database management	187978
Software Loader: Monitor Option - displaying, managing and storing measuring data on PC.	193028



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Available on request. Please enquire about delivery times of these items.

## dynaplug™ HF 44

The dynaplug™ anchor tester is an electronic load cell designed to measure anchor strength in construction material. The tool measures traction forces up to 5000 daN. Its shape as a tripod has been especially designed to minimize its influence on the concrete around the fixing. The three legs made in stainless steel can be adapted from 70 mm up to 190 mm high.

Standard content of delivery:

- Anchor tester dynaplug™
- 4 Studs M10, M12, M14, M16 + 1 traction fork
- 3 threaded rods to adjust the height of the legs
- 1 fixing tube with a chain
- CE certificate & calibration certificate
- User manual
- Carrying box



Model	W.L.L (kN)	Product Code
HF44/1/LPT 15kN	15	190028
HF44/2/LPT 25kN	25	190038
HF44/3/LPT 50kN	50	190048

## dynaline™ HF 45

Electronic load cell tension meter. Designed to measure the effort applied in a wire rope (lifelines) without having to dismantle the installation. 600daN for wire rope 8-12mm.

Standard content of delivery:

- CE certificate & calibration certificate
- User manual
- Carrying box



Model	Product Code
HF45/1/LPT	187998
specific wire rope calibration	111347

## 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.

Tractel offers 6 types of anchor testers calibrated to break respectively at: 600 daN, 1000 daN, 1200 daN, 1500 daN, 2000 daN and 4000 daN, tolerance range of +/- 10%. Anchor testers are made of stainless steel and for single use only.



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



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



3.

# Height safety products



## Harnesses

Page 124–144

## Lanyards and connectors

Page 145–158

## Fall arresters

Page 159–167

## Derope

Page 168–169

## Lifelines and anchor points

Page 170–175

## Rescue and rope access

Page 176–189

- ☐ Available on request. Please ask about the delivery time of these articles.
- ☒ Order on day 1, shipment no later than day 3 (maximum quantities apply).
- ☐ Order products on day 1, shipment no later than day 2.





# Height Safety

## Introduction

Tractel offers a comprehensive range of Personal Protective Equipment (PPE) in order to give you the support and assurance needed to guard against the risk from falls when working at height. With over 70 years of industry experience, Tractel has built a culture of safety through its ingenuity in manufacturing high quality, innovative products.

## PPE basic requirements

- PPE must be suitable for the intended 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 assess the requirements of the PPE.
- Employees must report any loss or damage in the PPE.
- PPE should be compatible with other systems intended for use.

## Work restraint

This category describes equipment that has been designed, manufactured and tested to restrain from a fall hazard. It is not intended to arrest a fall.

## Work positioning

This type of equipment has been designed, manufactured and tested to enable workers to position themselves properly for working safely at heights. This equipment is incorporated or used in conjunction with a fall arrest system.

## Height safety

Height safety equipment is designed to arrest a fall safely, limiting the risk of injury by dissipating the energy produced and holding the person in a suitable position.



# PPE regulation 2016/425

## European regulation

On 21 April 2018, the PPE Directive 89/686/EEC was replaced by the PPE Regulation (EU) 2016/425. The transitional period from April 2018 to April 2019 was the period between the publication and implementation of the regulation. From April 2019, all CE marked PPE products must be in compliance with this PPE regulation.

### THE PURPOSE OF THIS CHANGE:

- To improve health and safety at work and to ensure high quality of PPE the European Commission has issued a PPE regulation (EU) 2016/425.
- The PPE Regulation 2016/425 sets out stricter rules for placing PPE on the European market.

### GLOBAL CHANGES for all products produced after April 21, 2019::

- Marking and information requirements to be provided in the user manuals.
- More precise definitions of the different categories of PPE (I, II and III).
- A more precise definition of the roles and responsibilities of the various stakeholders.
- Type-examination certificates are valid for a maximum of 5 years. Each 5 years a product needs to be re-certified to the most recent norm/standard.

## How does the new 2016/425 PPE Regulation affect PPE distributors?

- In order to fulfill the requirements of the new 2016/425 PPE Regulation, you as a distributor of PPE need to ensure that, for all products produced after April 21, 2019:

✓	PPE bears CE marking
✓	PPE is accompanied by instructions for use in the languages needed
✓	PPE is accompanied by a declaration of conformity (print or link)
✓	PPE is labeled correctly (including month/year of manufacture)
✓	PPE comes with the manufacturer's (and importer's) name & address

- It is important for you to know that, as a distributor, you don't need to be in possession of all the documents, but need to be able to identify the manufacturer / importer / distributor in order to ask for the documents in case they are not provided.

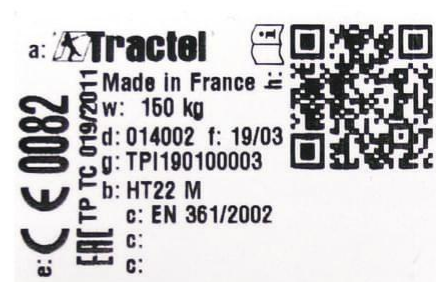
## Important dates

- **21 April, 2019:** implementation of the new PPE Regulation 2016/425. Tractel® only produces products that meet these new requirements.
- **From 21 April, 2019 to 21 April, 2023:** distributors can continue to sell their remaining stocks of products in accordance with the former PPE Directive 89/686.
- **21 April, 2023:** only products complying with the PPE Regulation 2016/425 can be sold.

### TRACTEL® MARKINGS:

a	The trade name
b	The name of the product
c	The applicable standard
d	The product code
e	Notify body : CE number
f	The date of manufacture
g	The serial / batch number
h	User manual icon
w	The maximum capacity

Example :



# EN Standards

## HARNESSES

**EN 361:** Personal protective equipment against falls from height. Harness belts for work restraint and fall arrest.

**EN 358:** 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.

**EN 813:** Personal protective equipment against falls from height. Work seats. The seat belt **EN 813** can be incorporated on the harness **EN 361**. 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.

## LANYARDS

**EN 354:** Personal protective equipment against falls from height. Lanyards. These can be made from webbing or rope and are suitable for work restraint.

**EN 355:** 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

**EN 362:** 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

**EN 795:** 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 ARRESTERS/CONTROLLED RATE DESCENDERS/ROPE GRABS

**EN 360:** 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.

**EN 341:** 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 **EN 1496**

**EN 1496:** 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

**EN 353-1:** 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.

## LINE CLEMS

**EN 353-2:** 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

**EN 397:** Industrial safety helmets. Head protection suitable for construction site use.

### Additional technical specifications:

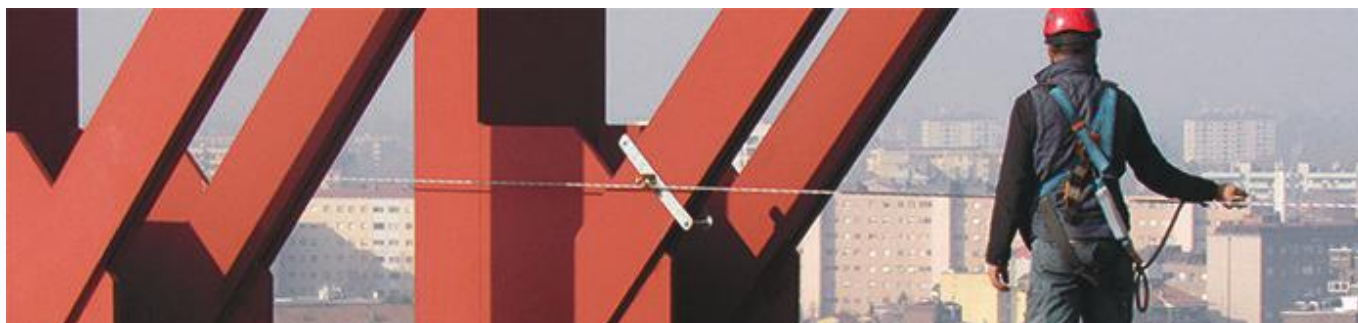
CNB/P/11.060 (horizontal use for the blocfor™ range)

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

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

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

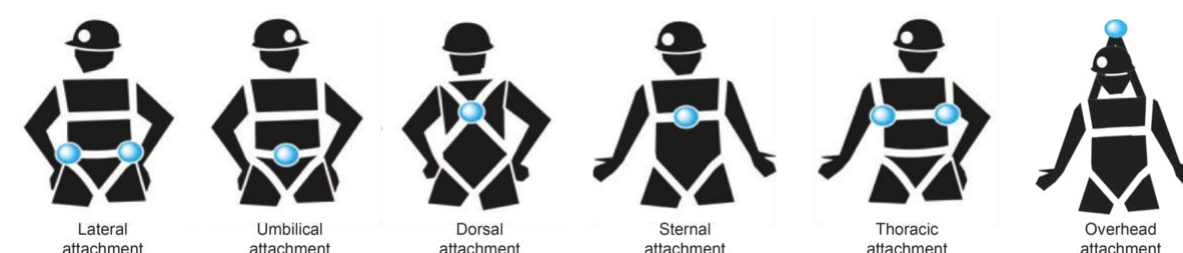




## Harnesses - general

### EN 361, EN 358 & EN 813 harnesses

Tractel® offers a wide range of harnesses to meet your requirements, from the bestselling entry level HT22 to the patented technical Easyclimb™ harness. Continuous innovation keeps our harnesses versatile with a variety of attachment points and optional extras:



### Harness Size Guide

Correct sizing and correct putting on a harness is essential for safety and comfort. It is important that a harness fits properly and that it offers the possibility to adjust it correctly so it is not too tight or too loose. This prevents employees from seeing the harness as a load, because the harness tightens too much or slips continuously.

If the harness is correctly dimensioned and adjusted, the forces on the body are distributed correctly. This enables the body to better withstand the impact of the fall, ensures that the attachment points are in the right place and that the body remains straight in the event of a fall. Incorrect sizing or tightening of the harness increases the risk of the "Harness Suspension Trauma" (hanging trauma).

It is important to choose the right size of harness according to the table below.

	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	45 - 90
D	55 - 65	65 - 80	80 - 90	90 - 100

### Options for harnesses



elastrac™ - packs offering 4cm of extra movement.



Quick Release Buckles - available for most harnesses



Accessories





# High Capacity Range 150 kg

## Is every team member safe?

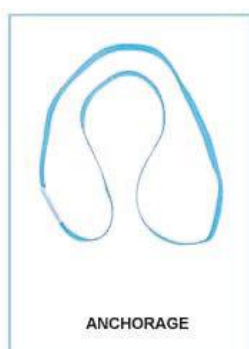
The average weight of male employees has significantly increased over the last 20 years. This means that a growing number of employees are working outside the certified 100 kg limit of their fall arrest equipment.

To meet the demand for PPE fall arrest equipment for weights of more than 100 kg, Tractel® is the first to offer a complete range of 150 kg fall arrest equipment which complies with European regulations. The products in this range have been tested to arrest falls of weights up to 150 kg (person's weight and equipment) with an impact force of less than 600 daN.

To protect users up to the maximum weight of 150 kg, all system components (anchor point - lanyard/fall arrester - harness) are marked as "HIGH CAPACITY RANGE 150 kg".

Tractel® supplies a complete "HIGH CAPACITY RANGE 150 kg" of PPE, including anchor points and fall arrest/harness solutions which have been tested in accordance with the European CNB/P/11.062 (for weights of more than 100 kg) and CNB/P/11.060 (for horizontal use) standards.

The weight of 150 kg refers to the user's weight plus equipment and tools. The component with the lowest capacity always determines the maximum capacity of the entire fall arrest system.



# Harness Range Overview

## Specialist series

- Designed for specific job requirements
- Daily and extended use in specific positions
- Includes all comfort options (X-pad, mountain type leg straps with a comfort foam layer)
- Multiple attachment points depending on the model
- Standard buckles or automatic buckles
- Big D ring on the back for increased safety
- Elastrac™ to offer more comfort on the shoulder movement included depending the version



## Expert series

- Daily and extended use
- 2 piece harness offering increased flexibility in the movement of the harness
- Multiple attachment points depending the version
- Manual or quick release buckles

### On the HT55 and HT56:

- Additional safety features
- Big D ring on the back for an increased safety
- Fall indicators embedded in the design of harness
- Fall indicators integrated in the design of the harness
- Additional comfort features
- Elastrac™ to offer more comfort on the shoulder movements
- X-pad included



## Pro series

- Regular use
- Multiple attachment points depending the version
- Manual or quick release buckles
- Comfort options available on specific versions



## Essential series

- Sporadic use
- Limited application possibilities
- Value range





# Specialist serie

## Harness HT Secours

- Offers considerable freedom of movement for rope access work.
- Designed for working in suspension
- Complies with the EN 358, EN 361 and EN 813 standards
- Soft, permeable X-Pad back pad
- 1 attachment point dorsal
- 1 attachment point sternal
- 1 attachment point umbilical (EN 813)
- 2 attachment point lateral
- Sliders for strap adjustment. Cannot be removed for security reasons
- Fall indicator on each attachment point
- High-comfort leg straps
- Option: ergonomic work seat (removable)

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



## Harness HT Promast

- For rope access work
- For working in a suspended position for long periods of time.
- Complies with the EN 358, EN 361 and EN 813 standards.
- Soft, permeable X-Pad back pad provides structure and style
- 1 attachment point dorsal
- 1 attachment point sternal
- 1 attachment point umbilical (EN 813)
- 2 attachment point lateral
- Sliders for strap adjustment. Cannot be removed for security reasons
- Fall indicator on each attachment point
- High-comfort leg straps
- Option: elastrac™ units or work seat

	S	M	XL
HT Promast - Automatic buckles	65242	65252	65262
HT Promast - Automatic buckles - elastrac™	65712	65722	65732



## Harness HT Electra

- For working in the utilities industry.
- With freely rotating positioning belt for free rotation while working on masts
- Complies with the EN 358 and EN 361
- Soft, permeable X-Pad back pad
- 1 attachment point dorsal
- 1 attachment point sternal
- 2 attachment point lateral
- Sliders for strap adjustment. Cannot be removed for security reasons
- Fall indicator on each attachment point
- High-comfort leg straps
- Option: elastrac™ units

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



Order products on day 1, will be shipped no later than day 2



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Available on request. Please enquire about delivery times of these items.

# Specialist serie



## Harness HT Transport

- For working in masts, climbing, staying in position and rope-access work
- For prolonged suspended work
- Great freedom of movement
- Complies with the EN 358, EN 361 and EN 813 standards
- Soft, permeable X-Pad back pad
- 1 attachment point dorsal
- 1 attachment point sternal
- 1 attachment point umbilical (EN 813)
- 2 attachment point lateral
- Sliders for strap adjustment. Cannot be removed for security reasons
- Fall indicator on each attachment point
- High-comfort leg straps
- Option: elastrac™ units or work seat

	S	M	XL	XXL
HT Transport - Automatic buckles	65942	65952	65962	-
HT Transport - Automatic buckles - elastrac™	65972	65982	65992	80832



## Harness HT Greentool

- Equipped with an ergonomic work seat
- Complies with the EN 358, EN 361 and EN 813 standards
- Soft, permeable X-Pad back pad
- 1 attachment point dorsal
- 1 attachment point sternal
- 1 attachment point umbilical (EN 813)
- 2 attachment point lateral
- Sliders for strap adjustment. Cannot be removed for security reasons
- Fall indicator on each attachment point
- High-comfort leg straps
- Option: elastrac™ units

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



## Harness HT Easyclimb

- Climbing up and down ladders with EN 353 fall arrester, rails or cable
- Complies with the EN 358 and EN 361
- Soft, permeable X-Pad back pad
- 1 attachment point dorsal,
- 1 attachment point umbilical (patented) which tears upwards during a fall to prevent the user from falling backwards
- 2 thoracic attachment points
- Sliders for strap adjustment. Cannot be removed for security reasons
- Fall indicator on each attachment point
- High-comfort leg straps
- Option: elastrac™ units

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



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# Confined space / rescue series

## Harness HT55 Confined Space

The HT55 confined space harness 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 opens fully at the front with the X-Pad preserving the harness' form.

- Universal and very comfortable harness with quick release buckles.
- Ideal for long working wear
- 1 dorsal anchorage with a big "Forged D" anchorage to eliminate the risk of

carabiner disconnection

- 1 sternal anchorage
- 1 special belt for respiratory system
- 1 comfort subpelviene 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
- Equipped with label holder
- Complies with the EN361 standard

	S	M	XL
HT55 A - confined space	83902	83912	83922



## Harness HT22R

- Universal harness with automatic buckle and rescue straps
- in accordance with norm EN361 and EN1497
- 1 dorsal anchor point
- 1 sternal anchorage point
- 1 subpelvien strap
- 5 non-detachable adjustment buckles

	S	M	XL
HT22R - Standard buckles	44952	44962	44972



## HT9 Evacuation triangle

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.



Model	Product Code
HT9 Evacuation Harness	17622

# Expert series



## Harness HT120

Harness designed for movement (up or down) on structures equipped with an EN 353 rail or cable fall arrester device.

The HT120 harness is equipped with an approved fall arrest umbilical attachment point. This attachment point, while being fall arrest approved, provides a comfortable support going up or down. HT120 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 FABAT<sup>™</sup> type fall arrester.

Its patented design prevents the user from turning over with the serious back injuries which could occur in the event of a fall, unlike the ventral fastening points mounted directly on the traditional safety belts.

**The HT 120 harness is equipped with the following equipment:**

- 1 dorsal fastening point.
- 2 thoracic fastening points.
- 1 central (patented) fastening point which tears upwards during a fall to prevent the user from falling backwards.
- Complies with the EN361 standard.

	S	M	XL
HT120 - Standard buckles	61702	61712	61722



## Harness HT ladytrac<sup>™</sup>

- Specially designed and patented harness for women
- Ergonomics and maximum safety
- The design avoids positioning and therefore friction of the harness straps on the chest. (Tractel<sup>®</sup> patent)
- Ergonomic jacket made with stretch and poly-cotton fabric to provide maximum safety and comfort
- This elastic, ventilated jacket is equipped with multiple Velcro strips to adapt to any body type.
- Integrated positioning belt (Ladytrac<sup>™</sup> B model)



	M	XL
HT ladytrac <sup>™</sup> - Automatic buckles	55882	55892
HT ladytrac <sup>™</sup> B - + positioning belt	55282	55292



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Expert Series

## Harness HT44

- Universal harness big confort for a long work
- Complies with Standard EN 361
- 1 dorsal "Forged D clip"
- 2 thoracic ones
- Comfort sub-pelvic straps
- 5 adjustment points
- Independent mountain leg strap High-comfort
- Standard closure buckle

	S	M	XL
HT44 - Standard Buckles	44102	44112	44122



## Harness HT45

- Universal harness automatic with big confort for a long work
- Complies with Standard EN 361
- 1 Dorsal "Forged D " anchorage
- 1 Sternal anchorage
- Comfort sub-pelvic straps
- Independent mountain leg strap High-comfort
- 5 Adjustment points
- Standard closure buckle

	S	M	XL	XXL
HT45 - Standard Buckles	55012	55022	55032	75532
HT45 A - Quick Release Buckles	53072	53082	53092	-
HT45 AE - Quick Release Buckles + Elastrac™	54922	54932	54942	-



## Harness HT46

- Multiple use harness
- Complies with Standard EN 361
- 1 dorsal "Forged D clip", 1 sternal and 2 thoracic ones
- 5 adjustment points
- High-comfort sub-pelvic and leg straps
- Comfort sub-pelvic straps

	S	M	XL	XXL
HT46 - Standard Buckles	55042	55052	55062	-
HT46 A - Quick Release Buckles	52972	52982	52992	80552
HT46 AE - Quick Release Buckles + Elastrac™	54952	54962	54972	-



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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# Expert Serie



## Harness HT45 with orange jacket

- Big comfort for extended work
- 1 dorsal "Forged D" anchorage
- 1 sternal anchorage
- 5 adjustment points
- 1 subpelviene strap
- Orange jacket: comfortable lightweight high-visibility vest
- Already installed on the harness
- Sliders for strap adjustment. Cannot be removed for security reasons
- Equipped with label holder
- Complies with standard EN361

	M	XL
HT45 - Standard buckles - Orange jacket	83822	83832

Comfort

Frequency of use

Integrated options



## Harness HT45 with yellow jacket

- Big comfort for extended work
- 1 dorsal "Forged D" anchorage
- 1 sternal anchorage
- 5 adjustment points
- 1 subpelviene strap
- Yellow jacket: comfortable lightweight high-visibility vest
- Already installed on the harness
- Sliders for strap adjustment. Cannot be removed for security reasons
- Equipped with label holder
- Complies with standard EN361

	M	XL
HT45 - Standard buckles - Yellow jacket	83802	83812

Comfort

Frequency of use

Integrated options



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## Harness HT55

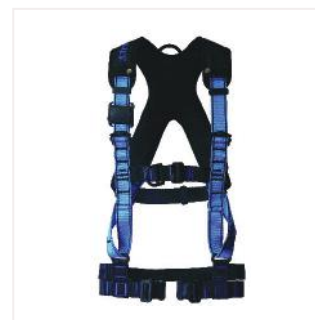
HT55 harness is designed for a wide range of applications. It is particularly suited for construction workers (ladders, scaffolding, roofing, etc.) thanks to its chest anchorage point. Enhanced comfort is ensured by the back X-Pad, horizontal leg straps in combination with the 2-piece harness design which provides greater flexibility in the movement of the harness. Comfort is further enhanced through the use of elastrac™ units available (optional). The harness is very easy to fit because it opens completely at the front and the X-Pad maintains the shape of the harness. Putting on the harness is further facilitated through the use of the quick release buckles available (optional).

- Universal and very comfortable harness automatic with big confort for a long work
- Complies with Standard EN 361
- 1 Dorsal "big Forged D " anchorage
- 1 sternal anchorage
- 1 Comfort sub-pelvic straps
- 5 Adjustment points
- Independent mountain leg strap High-comfort
- Standards or Automatics closure buckle
- Confort back X-PAD
- Fall indicator in each anchorage
- Label holder

Optional:

- Elastrac™

	S	M	XL	XXL
HT55 - Standard Buckles	65592	65602	65612	-
HT55 A - Quick Release Buckles	65622	65632	65642	80632
HT55 AE - Quick Release Buckles - Elastrac	65652	65662	65672	-

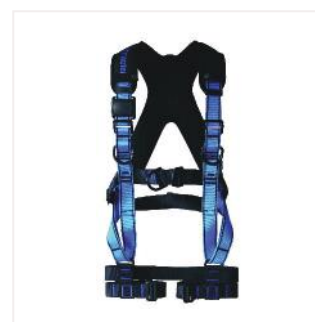


## Harness HT56

Universal multiple use comfort harness

- Complies with Standard EN 361
- 1 Dorsal "big Forged D" anchorage
- 2 Thoracic anchorage
- 1 Sternal anchorage
- 5 Adjustment points
- High comfort leg straps
- Sub-pelvic straps
- Standards or Automatics closure buckle
- Comfort back X-PAD
- Fall indicator in each anchorage
- Label holder

	S	M	XL	XXL
HT56 - Standard Buckles	65302	65312	65322	-
HT56 A - Quick Release Buckles	65332	65342	65352	80682
HT56 AE - Quick Release Buckles + Elastrac™	65682	65692	65702	80692



Order products on Day 1, will be shipped no later than Day 2



Order products on Day 1, will be shipped no later than Day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Professional Series



## Harness HT22

- Multiple use harness
- Complies with the EN 361 standard
- 1 dorsal and sternal "Forged D clip"
- 5 adjustment points
- Sub-pelvic strap

	S	M	XL	XXL
HT22 - Standard Buckles	31592	14002	28502	79412
HT22 A - Automatic Buckles	31832	31822	31842	-
HT22 - Standard Buckles - X-pad	-	69272	69292	80322



## Harness HT34

- Universal harness with belt
- Complies with Standard EN 361/358
- 1 dorsal "Forged D clip",
- 1 sternal anchorage
- 2 thoracic ones anchorage
- 6 adjustment points
- 2 lateral hitch D rings
- 1 Sub-pelvic strap

	S	M	XL
HT34 - Standard Buckles	35352	35362	35372
HT34 A - Automatic Buckles	40782	40792	40802



## Harness HT42

- Complies with Standard EN 361
- 1 dorsal "Forged D clip"
- 2 thoracic ones
- 5 adjustment points
- Sub-pelvic strap
- Standard closure buckle

	S	M	XL
HT42 - Standard Buckles	31622	10042	31082



Order products on Day 1, will be shipped no later than Day 2



Order products on Day 1, will be shipped no later than Day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## Harness HT22 with orange jacket

- 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 jacket: comfortable lightweight high-visibility vest
- Already installed on the harness
- Complies with standard EN361

	M	XL
HT22 - Standard buckles - Orange jacket	83782	83792



## Harness HT22 with yellow jacket

- 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
- Yellow jacket: comfortable lightweight high-visibility vest
- Already installed on the harness
- Complies with standard EN361

	M	XL
HT22 - Standard buckles - Yellow jacket	83762	83772



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Professional Series

## Harness HT43



- Complies with Standard EN 361
- 1 dorsal "Forged D clip"
- 1 sternal "Forged D clip"
- 2 thoracic ones "Forged D clip"
- 5 adjustment points
- 1 Sub-pelvic strap

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



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# Essential Serie

## Harness HT10

- The HT10 harness is a simple harness for occasional work at height
- Harness for standard use
- 1 dorsal "Forged D" anchorage
- Chest belt fitted with quick-release buckle
- 2 adjustment points
- Complies with standard EN361

	M	XL
HT10 - Standard buckles	17892	29702



## Harness HT11

The HT11 harness is a simple harness with a dorsal attachment point for occasional work at height.

- 1 dorsal "Forged D" anchorage
- 3 adjustment points
- 1 subpelviene strap
- Complies with standard EN361

	S	M	XL
HT11 - Standard buckles	31192	10002	31182



## Harness HT21

- Harness for standard use
- 1 dorsal "Forged D" anchorage
- 1 sternal "textile loop" anchorage
- 2 adjustment points
- 1 subpelviene strap
- Complies with standard EN361

	S	M	XL
HT21 - Standard buckles	31582	10012	29722



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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## Eco-set

### Tractel® Eco-set

- HT10 harness, size M
- LSA 1.5m-10-53 lanyard
- PPE bag



Model	Product Code	Model Name
Eco-set	354060	Eco-set

## Basic-set

### Tractel® basic set

- HT22 harness, size M
- LSA 1.5m-10-51 lanyard
- PPE bag



Model	Product Code	Model Name
Basis set	354070	Basic set

## Luxury set

### Luxury set Tractel® :

- HT 22 Ba harness, size M
- LSAD 1.5 m-10-51-51 lanyard
- AS30S-1 anchor sling
- Combipro, 30 litres



Model	Product Code	Model Name
Luxury set	354100	Luxury set



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

### Tractel® Aerial platform-set

- HT 22 harness, size M
- AS30S-1 anchor sling
- Combipro, 30 litres

Two types of blocfor:

- blocfor 1.8A ESD-47-51 (version A)
- blocfor 1.8B ESD 47-51 (version B)



Model	Product Code
Aerial platform set - A	354110
Aerial platform set - B	356800

### Tractel® Aerial platform-set

- HT 56A harness, size M
- AS30S-1 anchor sling
- Combipro, 30 litres

Two types of blocfor:

- blocfor 1.8A ESD-47-51 (version A)
- blocfor 1.8B ESD 47-51 (version B)



Model	Product Code
Aerial platform set - A	355560
Aerial platform set - B	356810

### Tractel® Multi-set

- HT 46 harness, size M
- RLXD 11 10
- LDA 12 2 m-10-51 lanyard
- AS30S-1.5 anchor sling
- stopfor KSP 30 M41
- Combipro, 30 litres



Model	Product Code
Multi-set	354090



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

### Tractel® Pro-set

- HT 22 BA harness, size M
- blocfor 10 ESD M10-47
- AS30S-1,5 anchor sling
- Combipro, 30 litres



Model	Product Code
Pro-set	354080

### Tractel® Industrial set

- HT 22 BA harness, size M
- blocfor 6ESD M10-47
- AS30S-1,5 anchor sling
- LSA 1.5 m-10-51 lanyard
- Combipro, 30 litres



Model	Product Code
Industrial set	354120

### Tractel® Vertical set

- HT Promast, size M
- LDAD 11 1.5 m-10-51-51
- AS30S-1,5 anchor sling
- RLXD 11 10, 20 or 30 meters
- stopfor K LS 30 M41
- LCM 05 2 m M41 positioning line
- Combipro, 60 litres



Model	Product Code
Vertical - 10 metres	354130
Vertical - 20 metres	354140
Vertical - 30 metres	354150



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## Accessories for harnesses

### Comfort strap

#### Accessory to reduce the risk of suspension trauma

The comfort strap is a portable, lightweight accessory which fits onto the harness and can be deployed in the event of a fall. This type of strap has a loop for the user to stand in whilst suspended. The straps can be adjusted allowing the user to stand up straight relieving the pressure felt on the inner thighs and legs (suspension syncope).

Suspension syncope occurs when the harness user is left suspended in a hanging positioning following the event of a fall. During this time the harness can cut into the thighs restricting blood flow. If this goes on for prolonged periods of time, it cannot only cause serious discomfort and pain but even fainting. The comfort strap provides a solution to this problem.

#### Specifications:

- Hard-wearing zipped pouch, 80 mm diameter, 40 mm thickness
- Strap made from polyamide webbing and zinc plated steel adjustment buckles
- 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 any Tractel harness



Model	Product Code
Comfort Strap	66182

### Easy to Use

**Step 1** - Unzip the pouch and deploy the leg hoop

**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



### Ergonomic work seat

#### Accessory for long-term suspension work

- For long-term suspension work in sit position
- Stiff sides to prevent thigh compression
- Three tool holders
- Is placed on the back of the HT Secours, Promast, Easyclimb, Greentool, Electra and HT Transport



Model	Product Code
Work seat	65762



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# Tool holding accessories

Fall protection does not stop when the user falls, falling tools can also cause fatalities. In addition to the fall protection programme for personal protective equipment, Tractel® launches a range of accessories for tool holders to secure tools up to 5 kg.



ETL



ETLS



TL

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



TWB



OAS



## Tool holding bag

- Mounting to Tractel® harnesses
- Made of polyamide and has 3 compartments
- A closed bag with Velcro (220 x 20 mm)
- Bag is 180mm high
- Bag has two front pockets (110 x 20 mm)
- Reinforced base with leather to prevent perforation of the tool

Model	Product Code
Belt pouch	75582



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## Helmet

- Shell in ABS 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
- 4-point adjustable chinstrap for perfect fit
- Usage temperature -30°C to +40°C
- Service life: 5 years
- Numerous accessories
- EN 397/EN 50365 compliant



Model	Product Code
helmet, blue	60252
helmet, red	60432
helmet, white	60442

## High-visibility vest

Comfortable high visibility vest, especially developed for use with Tractel® harnesses.

- 1 size
- Colors: yellow, orange



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

## Option RL

- Line for extending the anchor point on the back



Model	Product Code	Model Name
Option RL	32872	Option RL

## Helmet accessories

For optimal safety, the helmet can be equipped with the following accessories:

- Integrated visor, clear
- Integrated visor, tinted
- In-ear defender
- Mounted ear defenders
- Head torch clip

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



## Padded shoulder straps

- Extra comfort
- Set of 2 padded shoulder pads



Model	Product Code
Padded Shoulder Pads	10112

## Rescue Lanyard Option R

Rescue straps for rescuing a person in a confined space.



Model	Product Code
Option R	83892



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Positioning belts

CE-belts have 2 attachment points on the hip for a positioning line. They are equipped with three eyes for the attachment of the tool bag. Easy and quick size adjustment through only one adjustment buckle. The belt is permanently held in place with positioning straps. They can be combined with any harness in our range, providing a fully integrated harness solution.



## Safety belt CE01

- Two lateral pressed steel 'D' clips
- 3 buckles for attaching a tool bag
- Large comfortable padded back support
- The positioning belt can be connected to all standard harnesses
- Positioning straps for permanent attachment to a harness
- Available with standard buckles or automatic buckles
- Available sizes: S, M and XL

	S	M	XL
Safety Belt CE01 - Standard buckles	32882	10052	10062
Safety Belt CE01 - Automatic buckles	33202	33212	33222



## Safety belt CE06

- Two wide, easy-to-handle, forged steel fixing straps 50 mm wide
- 3 buckles for attaching a tool bag
- Large comfortable padded back support
- The CE06 safety belt can be attached to all standard harnesses
- Positioning straps for permanent attachment to a harness
- Available with standard buckles or automatic buckles
- Available sizes: S, M and XL

	S	M	XL
Safety Belt CE06 - Standard buckles	80242	80252	80262
Safety Belt CE06 - Automatic buckles	80272	80282	80292



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Accessories

## Bag - cloth pocket bag



- Pocket bag
- Zip fastening
- Size : 400 x 290 x 20 mm

Model	Product Code
Small	11942

## Bag - cloth shoulder bag



- Shoulder bag
- Zip fastening
- Size: 430 x 310 x 150 mm

Model	Product Code
Medium	10542

## Backpack



- Backpack for height safety products
- Dimensions: 420 x 260 x 120 mm

Model	Product Code
Backpack	67392

## derope™ drop bag



- Dimensions drop bag: 430 x 310 x 150 mm
- Dimensions bag: 430 x 310 x 150 mm

Model	Product Code
derope™ drop bag	67422
derope™ bag	51912

## Combipro bag



- Combi Pro 20L (360 X 320 mm.)
- Combi Pro 30L (570 X 410 mm.)
- Combi Pro 60L (680 X 510 mm.)

Model	Product Code
20L	50992
Combipro - 30L	20812
Combipro - 60L	20822



## Bag for tracpode

- Bag for the tracpode tripod
- l x w x h = 1.900 x 290 x 290 mm.
- Equipped with zip fastening

Model	Product Code
tracpode canvas bag	31572



## Door anchor bag

- Bag specially designed to transport a door anchor
- Dimensions: 1.550 x 270 x 270 mm

Model	Product Code
Tas voor deurtraverse	68752



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# Steel, stainl. steel & aluminium hooks

## Steel hooks

Model	Anchorage Hook Gate Opening	Product Code
M10	Ø 15 mm	31652
M10T	Ø 15 mm	76312
M11	Ø 17 mm	31662
M23	Ø 17 mm	59002
M41	Ø 18 mm	31722
M47	Ø 17 mm	33032
M53	Ø 53 mm	31772
M60	Ø 47 mm	32482
M61	Ø 47 mm	33082

## Stainless steel hooks

Model	Anchorage Hook Gate Opening	Product Code
M31	Ø 75 mm	10432
M32	Ø 100 mm	10442
M33	Ø 140 mm	10452

## Aluminium hooks

Model	Anchorage Hook Gate Opening	Product Code
M12	Ø 23 mm	31672
M15	Ø 23 mm	31692
M22	Ø 23 mm	56222
M42	Ø 18 mm	31732
M51	Ø 60 mm	31752
M52	Ø 59 mm	31762
M54	Ø 110 mm	32462

## Pole

With the telescopic pole a lifeline can be hung from the ground. Complies with the CE EN 795 class B standard.

- Weight of the pole: 2,685kg
- Weight of the carabiner: 0,765kg.

Model	Description	Product Code
Pole- 6 meter long	6 meter long pole	106697
AM53 connector	AM53 connector for pole	106117
AM54 Connector	AM54 connector for pole	113427

# Steel hooks



M10

- Permanent connection
- Occasional opening
- Manual screw locking
- bichromatised steel
- Opening ø 15 mm
- EN 362 standard



M10T

- Permanent connection
- Occasional opening
- Manual screw locking
- bichromatised steel
- Opening ø 15 mm
- EN 362 standard

Model with locking pin. The pin is supplied separately and must be mounted by the user. After assembly, the components cannot be removed.



M11

- Frequent opening/coupling
- Semi-automatic lock
- bichromatised steel
- Opening ø 17 mm
- EN 362 standard

Semi-automatic lock: no risk of the user forgetting to lock his connector, increased safety.



M23

- Frequent opening/coupling
- Triple automatic safety lock
- bichromatised steel
- Opening ø 17 mm
- EN 362 standard

Model with locking pin. The pin is supplied separately and must be mounted by the user. After assembly, the parts cannot be removed.

Triple automatic safety lock, no risk of the user forgetting to lock his connector, increased safety.



M41

- Frequent opening/coupling
- Double automatic safety lock
- bichromatised steel
- Opening ø 18 mm
- EN 362 standard

Double automatic safety lock, no risk of the user forgetting to lock his connector, increased safety.



M47

- Frequent opening/coupling
- Double automatic safety lock
- Rotation
- bichromatised steel
- Opening ø 17 mm
- EN 362 standard

Double automatic safety lock, no risk of the user forgetting to lock his connector, increased safety.

# Steel + stainless steel hooks



**M53**

- Frequent opening/coupling
- Double automatic safety lock
- Bichromatised steel
- Opening  $\varnothing$  53 mm
- EN 362 standard

Double automatic safety lock, no risk of the user forgetting to lock his connector, increased safety.



**M60**

- Frequent opening/coupling
- Semi-automatic locking by rotation
- Bichromatised steel
- Opening  $\varnothing$  47 mm
- EN 362 standard

Semi-automatic locking by rotation: no risk of the user forgetting to lock his connector, increased safety.



**M61**

- Frequent opening/coupling
- Rotation lock
- Bichromatised steel
- Opening  $\varnothing$  47 mm
- EN 362 standard

Model with locking pin. The pin is supplied separately and must be mounted by the user. After assembly, the parts cannot be removed.



**M31**

- Frequent opening/coupling on tubular structure.
- Double safety lock.
- Stainless steel
- Opening: 75 mm
- EN 362 standard



**M32**

- Frequent opening/coupling on tubular structure.
- Double safety locking
- Stainless steel
- Opening: 100 mm
- EN 362 standard



- Frequent opening/coupling on tubular structure.
- Double safety locking
- Stainless steel
- Opening: 140 mm
- EN 362 standard

# Aluminium hooks



**M12**

- Permanent connection
- Manual screw locking
- Aluminium
- Opening  $\varnothing$  23 mm
- EN 362 standard



**M15**

- Frequent opening/coupling
- Triple automatic safety lock
- Aluminium
- Opening  $\varnothing$  23 mm
- EN 362 standard



**M22**

- Frequent opening/coupling
- Triple automatic safety lock
- Aluminium
- Opening  $\varnothing$  23 mm
- EN 362 standard



**M42**

- Frequent opening/coupling
- Double automatic safety lock
- Aluminium
- Opening  $\varnothing$  18 mm
- EN 362 standard

Model with locking pin. The pin is supplied separately and must be mounted by the user. After assembly, the parts cannot be removed.

Triple / double automatic safety lock, no risk of the user forgetting to lock his connector, increased safety.



**M51**

- Frequent opening/coupling on constructions
- Double automatic safety lock
- Aluminium
- Opening  $\varnothing$  60 mm
- EN 362 standard



**M52**

- Frequent opening/coupling
- Sliding ring lock
- Aluminium
- Opening  $\varnothing$  59 mm
- EN 362 standard



**M54**

- Frequent opening/coupling on constructions
- Double automatic safety lock
- Aluminium
- Opening  $\varnothing$  110 mm
- EN 362 standard



# Lanyards - blocfor™ - stopfor™

Tractel® fall protection (PPE) is intended for working at height where there is a danger of falling vertically, as well as for work at height on a horizontal surface with risks of falling over a sharp edge (roof terrace use) (with a radius  $R \geq 0.5$  mm.)

For this, our range of blocfor™, stopfor™ & lanyards are certified according to the following guidelines:

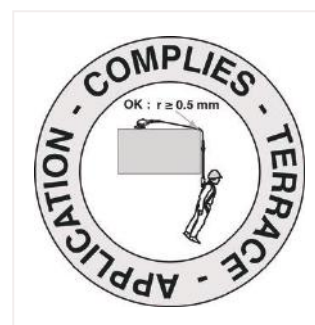
- CNB/P/11.060 (for the blocfor™ range)
- CNB/P/11.074 (for the lanyards range)
- CNB/P/11.075 (for the stopfor™ range)

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

**Tractel® no longer indicates lifespan on fall arrest equipment.**

Tractel® Personal Protective Equipment (PPE) can be used without restrictions from their manufacturing date provided that:

- Use is in accordance with the instruction manual.
- The instruction manual procedures for storage and transport are met.
- A periodic inspection is carried out at least every year by a competent person who, after inspection, will authorise in writing that the PPE is fit to be returned to service.
- A full written history is available for the product that you intend to use





# Fall arrest lanyards



## LSA - webbing lanyard

Webbing lanyard with shock absorber. Length 1.5 or 2 m.  
Complies with:

- EN355, CNB/P/11.074 (horizontal use), CNB/P/11.062 (150kg)

Model	Length (m)	Product Code
LSA 1.5-CC	1.5	75172
LSA 1.5-10-10	1.5	75182
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



## LDA 12 - braided rope lanyard

Braided rope lanyard with shock absorber, ø12 mm. Length 1, 1.5 or 2 m.  
Complies with:

- EN355, CNB/P/11.074 (horizontal use), CNB/P/11.062 (150kg)

Model	Length (m)	Product Code
LDA 1-M10-M10	1	77502
LDA 1-M10-M53	1	81962
LDA 1-M11-M53	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-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-M11-M53	1.5	84202
LDA 2-BB	2	77692
LDA 2-M10-M10	2	77712
LDA 2-M10-M53	2	77752
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-M11-M53	2	84212

# Fall arrest lanyards

## LSEA - elastic webbing lanyard

Elastic webbing lanyard with shock absorber. Length 1.5 or 1.8 m.  
Complies with:

- EN355, CNB/P/11.074 (horizontal use), CNB/P/11.062 (150kg)

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



## LSAD - twin webbing lanyard

Twin webbing lanyard with shock absorber. Length 1.5 or 2 m.  
Complies with:

- EN355, CNB/P/11.074 (horizontal use), CNB/P/11.062 (150kg)

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



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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# Fall arrest lanyards



## LDAD 12 - braided twin rope lanyard

Braided twin rope lanyard with shock absorber Ø 12mm. Length 1, 1.5 or 2 m.  
Complies with:

- EN355, CNB/P/11.074 (horizontal use), CNB/P/11.062 (150kg)

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-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-M10-M51-M51	2	78162
LDAD 2-M11-M51-M51	2	82152



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Lanyards

## LS - webbing Lanyard

Single webbing lanyard. Length 1, 1.5 or 2 m.

- Complies with EN 354 standard
- Without shock absorber



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



Order products on day 1, will be shipped no later than day 2



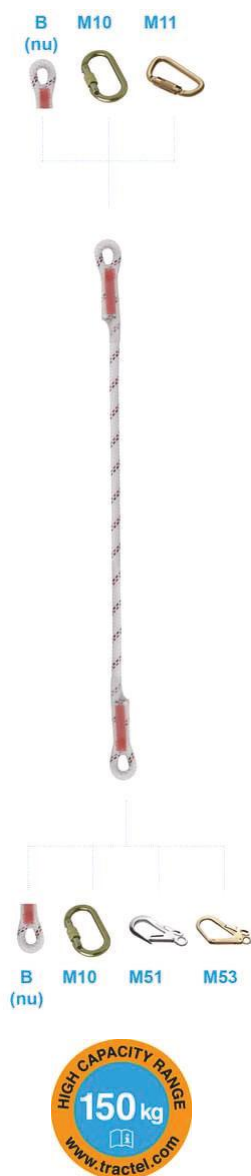
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# Lanyards



## LD 11 - braided rope lanyard

Braided rope lanyard, Ø 11mm. Length 1 - 1.5 or 2 m.

- Complies with EN354 standard

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-M11-M53	1	83952
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-M11-M53	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-M11-M53	2	83972



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



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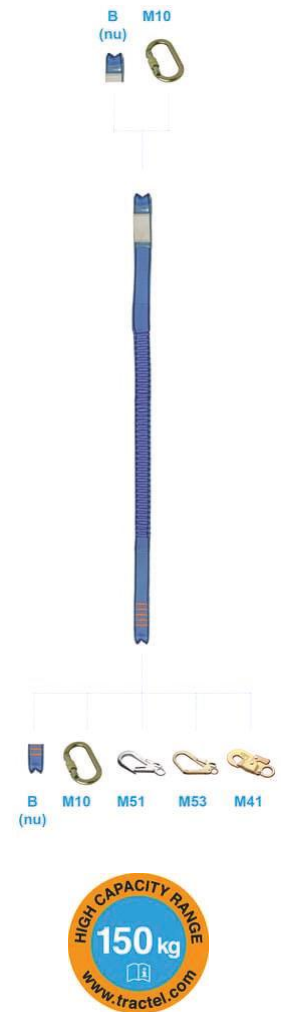
# Lanyards

## LSE - elastic webbing lanyard

Elastic webbing lanyard. Length 1.5, 1.75 or 2 m.

- Complies with the EN 354 standard.
- Without shock absorber.

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



LSE M10-M10



LSE M10-M53



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Lanyards



## LDF 11 - braided rope lanyard

Braided rope lanyard. Length 0.5, 1, 1.5 or 2 m. Ø 11 mm.

- Complies with the EN 354 standard.
- Without shock absorber.

Model	Length (m)	Product Code
LDF 0.5m/1m -B-C-C	0.5	37962
LDF 1 - BBB	1	37842
LDF 1-10-10-10	1	40232
LDF 1-10-53-53	1	40392
LDF 1-M11-M53-M53	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-M11-M53-M53	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-M11-M53-M53	2	84242
LDF 2-10-51-51	2	37952



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Positioning lanyards

## LDR - positioning lanyard

- Stranded rope with friction tensioning device
- Conforms to EN 358 standard
- Diameter: 11 mm
- Lengths: 1.5 or 2 meters
- Integrated length adjuster (friction)
- Adjustable from 0.75 to 1.5m (1.5m) or from 1 to 2m (2m)

Model	Length (m)	Product Code
LDR 1.5-B-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 2-B-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



## Protective sleeve

Model	Product Code
Protective Sleeve	18192



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# Positioning lanyards



## LCM 03 - adjustable lanyard

- Positioning line reinforced with wire rope that protects against cutting through when using tools such as chainsaws or grinders.
- Line adjuster included
- Easy to use and adjust with one hand
- Complies with the EN 358 standard
- Length 2, 3 or 4 metres

Model	Length (m)	Product Code
LCM 03	2	79092
LCM 03	3	79102
LCM 03	4	79112
Sleeve	-	18192



## LCM 05 - adjustable lanyard

- Adjustable positioning line
- Braided rope
- Diameter 12.5 mm
- stopfor™ K line adjuster
- Ergonomic
- Efficient positioning thanks to the powerful spring
- Easy to use and adjust with one hand
- Length 2, 3 or 4 metres
- Complies with the EN 358 standard

Model	Length (m)	Product Code
LCM 05	2	79122
LCM 05	3	79132
LCM 05	4	79142
Sleeve	-	18192



## LCM 06 - adjustable lanyard

- Adjustable positioning line
- Stranded rope
- Diameter 14 mm
- stopfor™ B line adjuster
- Ergonomic
- Efficient positioning thanks to the powerful spring
- Easy to use and adjust with one hand
- Length 2, 3 or 4 metres
- Complies with the EN 358 standard

Model	Length (m)	Product Code
LCM 06	2	79152
LCM 06	3	79162
LCM 06	4	79172
Sleeve	-	18192

# blocfor™ 1.8A ESD 150kg

## Specifications:

- 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
- Fall arrest device with ESD technology enables the device to arrest a fall even when the webbing is fully unwound. Also suitable for use on terrace 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
- Integrated fall indicator
- Length 1.8 metres, webbing version
- Lightweight
- ABS fibre reinforced polyamide housing
- Standard M47 swivel connector at end of shock absorber

On the blocfor™ 1.8A ESD, the ESD absorber is attached to the retractable belt. The belt of the blocfor™ 1.8A ESD is placed at the anchor point of the harness using the M47 connector. The blocfor™ 1.8A ESD housing is connected to the anchor point on the structure.



Model	Description	Product Code
blocfor™ 1.8A ESD M10 M47	1.8 m – webbing – M10 and M47 connector	70592
blocfor™ 1.8A ESD M51 M47	1.8 m – webbing – M51 and M47 connector	70602
blocfor™ 1.8A ESD M53 M47	1.8 m – webbing – M53 and M47 connector	70612

# blocfor™ 1.8B ESD 150kg

In contrast to the blocfor™ 1.8A ESD, the ESD absorber of the blocfor™ 1.8B is attached to the housing of the blocfor™ 1.8B ESD. The blocfor™ 1.8B ESD housing is attached to the harness anchor point using the M47 connector. The belt ( with M51 connector) is connected to the anchor point on the structure.



Model	Description	Product Code
blocfor™ 1.8B ESD M51 M47	1.8 m – webbing – M51 and M47 connector	72462



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



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## blocfor™ 1.8A EVO ESD 150KG

Fall arrest device with ESD technology, suitable for use on terrace roofs. 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 the following fall factors: FACTOR 0 (overhead), FACTOR 1 (shoulder level), FACTOR 2 (foot level)
- **Flexible and stronger 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
- **Strap is wider and stronger**
- Lightweight
- ABS fibre reinforced polyamide housing
- Standard M47 swivel connector at end of shock absorber



On the blocfor™ 1.8A EVO ESD, the ESD absorber is attached to the retractable belt. The belt of the blocfor™ 1.8A EVO ESD is attached to the anchor point of the harness using the M47 connector. The blocfor™ 1.8A EVO ESD housing is connected to the anchor point on the structure.

Model	Product Code
blocfor™ 1.8A EVO ESD 150KG M47-M10	84052
blocfor™ 1.8A EVO ESD 150KG M47-M53	84062
blocfor™ 1.8A EVO ESD 150KG M47-M51	84072

## blocfor™ 1.8B EVO ESD 150KG

Fall arrest device with ESD technology, suitable for use on terrace roofs. 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 the following fall factors: FACTOR 0 (overhead), FACTOR 1 (shoulder level), FACTOR 2 (foot level)
- **Flexible and stronger 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
- **Strap is wider and stronger**
- Lightweight
- ABS fibre reinforced polyamide housing
- Standard M47 swivel connector at end of shock absorber



In contrast to the blocfor™ 1.8A EVO ESD, the ESD absorber of the blocfor™ 1.8B ESD is attached to the housing of the blocfor™ 1.8B EVO ESD. The blocfor™ 1.8B EVO ESD housing is attached to the harness anchor point using the M47 connector. The strap (with M51 connector) is connected to the anchor point on the structure.

Model	Product Code
blocfor™ 1.8A EVO ESD 150KG M51-M47	84082

# blocfor™ 5ESD and 6 ESD fall arrester

## Specifications:

- 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
- Fall arrest device with ESD technology suitable for use on terrace 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: 5 or 6 metres, webbing version
- Lightweight
- ABS fibre reinforced polyamide housing
- Standard M47 swivel connector at end of shock absorber



Model	Description	Product Code
blocfor™ 5 ESD M10 M47	5 m - webbing - M10 and M47 connector	70652
blocfor™ 6 ESD M10 M47	6 m - webbing - M10 and M47 connector	70662

# blocfor™ 10 ESD fall arrester

## Specifications:

- High Capacity Range 150 kg. Complies with CNB/P/11.062
- Complies with EN 360 and VG11 CNB/P/11.060 standards for use on edges with a minimal 0.5 mm curve radius
- Fall arrest device with ESD technology suitable for use on terrace 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: 10 metres
- Lightweight
- ABS fibre reinforced polyamide housing
- Standard M47 swivel connector at end of shock absorber (stainless steel versions with a stainless steel M10 hook)



Model	Description	Product Code
blocfor™ 10 ESD M10-M47	10 m - galvanized cable - M10 and M47 connector	70572
blocfor™ 10 ESD SR M10-M47	10 m - synthetic cable - M10 and M47 connector	74372
blocfor™ 10 ESD I M10 - M10	10 m - stainless steel rope - M10 and M10 connectors	79002



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# blocfor™ 20 and 30 ESD

## Specifications:

- High Capacity Range 150 kg. Complies with CNB/P/11.062
- Complies with EN 360 and VG11 CNB/P/11.060 standards for use on edges with a minimal 0.5 mm curve radius
- Fall arrest device with ESD technology suitable for use on terrace 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 20 or 30 metres, version with galvanised, stainless steel or synthetic cable
- blocfor™ 20 housing made of polyamide reinforced with ABS fibre, anti-UV and shock resistant
- 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	Product Code
blocfor™ 20 ESD G M10 - M47	20 m – galvanized cable – M10 and M47 connector	74512
blocfor™ 20 ESD SR M10 – M47	20 m – synthetic cable – M10 and M47 connector	74392
blocfor™ 20 ESD I M10 I - M10 I	20 m – stainless steel cable – M10 and M10 connectors	79012
blocfor™ 30 ESD G M10 - M47	30 m - galvanized cable - M10 and M47 connector	74532
blocfor™ 30 ESD SR M10 - M47	30 m - synthetic cable - M10 and M47 connector	74412
blocfor™ 30 ESD I M10 I - M10 I	30 m - stainless steel cable - M10 and M10 connector	79032



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## stopfor™ B fall arrester

stopfor™ B locking system without jaws.

- Vertical & horizontal applications
- Use on 14 mm diameter stranded rope
- Can be installed and removed at any point of the rope
- Aluminium: Lightweight & ergonomic
- Locking system without toothed jaws (less abrasion of the rope)
- Easy to use & to transport
- Available with 30cm strap (LS30)
- Complies with EN353-2, CNB/P/11.075 (horizontal use), CNB/P/11.062 (over 100kg)



Model	Length (cm)	Product Code
stopfor™ B M10 - without lanyard	-	106189
stopfor™ B - LS30 + M41	30	106169
stopfor™ B - LS30 + M42	30	106179

## stopfor™ BF fall arrester

Fall arrester suitable for vertical and horizontal use.

- Vertical & horizontal applications
- Use on 14 mm diameter stranded rope
- Product delivered already on the rope
- Aluminium
- Easy to use and transport
- Locking system without toothed jaws (less abrasion of the rope)
- Standard with LS30 strap and M41 connector
- Complies with EN353-2, CNB/P/11.075 (horizontal use), CNB/P/11.062 (over 100kg)



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

## stopfor™ MSP fall arrester

Fall arrester suitable for vertical and horizontal use.

- 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 and transport
- Standard with LS30 strap and M41 connector
- Can be installed and removed at any point of the rope
- Material: Galvanised steel
- Complies with EN353-2, CNB/P/11.075 (horizontal use), CNB/P/11.062 (more than 100kg)



Model	Product Code
stopfor™ MSP - LS30 - M41	207018



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



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## stopfor™ SL fall arrester

Fall arrester for vertical use.

- Vertical applications
- Use on 14 mm diameter stranded rope
- Anti-reversibility system: impossible to assemble upside down, enhanced security
- Available with 30cm strap (LS30)
- Locking system with toothed jaws
- Can be placed and removed at any point of the rope
- Material: stainless steel
- Complies with EN353-2, CNB/P/11.062 (over 100kg)



Model	Product Code
stopfor™ SL - M10	276389
stopfor™ SL - strap + M10	206918
stopfor™ SL - strap + M41	206958
stopfor™ SL - strap + M11	206928

## RLX14 - anchor line

RLX rope anchor line ø 14 mm.

- Complies with EN 353-2 standard
- Type: stitched
- For use with stopfor™ B/BF/MSP/SL
- Equipped with an M10 connector at the top and a plug at the bottom.



Model	Product Code
RLX 14 5-10-B	45372
RLX 14 10-10-B	45092
RLX 14 15-10-B	45102
RLX 14 20-10-B	45112
RLX 14 30-10-B	45132
RLX 14 40-10-B	45142
RLX 14 50-10-B	45152



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## stopfor™ K - fall arrester - 100kg

The stopfor™ K fall arrester is easy to use and offers a lot of freedom in vertical and horizontal use.

- Vertical & horizontal applications
- Use on 11 mm diameter braided rope
- Lightweight & ergonomic
- Easy to use & to transport
- Aluminium
- Locking system without toothed jaws. (less abrasion of the rope)
- Available with 30cm strap (LS30)
- Can be installed and removed at any point of the rope
- Complies with EN353-2, CNB/P/11.075 (horizontal use)



Model	Length (cm)	Product Code
stopfor™ K - M10 - without lanyard	-	79922
stopfor™ K LS30 M41	30	79932
stopfor™ K LS30 M42	30	79942

## stopfor™ KS - fall arrester - 100kg

The stopfor™ KS fall arrester is easy to use and offers a lot of freedom in vertical and horizontal use. Features additional safety function for increased safety.

- Suitable for 11 mm braided rope
- For vertical, inclined and horizontal applications
- Aluminium
- Lightweight and ergonomic
- Easy to use and transport
- Locking system without toothed jaws. (less abrasion of the rope)
- Anti-reversion system: impossible to mount the fall arrester incorrectly, more safety
- Available with 30cm strap (LS30)
- Can be installed and removed at any point of the rope
- Complies with EN353-2, CNB/P/11.075 (horizontal use)



Model	Length (cm)	Product Code
stopfor™ KS - M10 - without lanyard	-	79952
stopfor™ KS - strap + M41	30	79962
stopfor™ KS - strap + M42	30	79972

## stopfor™ KS - fall arrester - 150kg

The stopfor™ KS is now suitable for use up to 150kg, including equipment and tools.

- Suitable for 11 mm braided rope
- For vertical applications
- Aluminium
- Easy to use and transport
- Lightweight and ergonomic
- Locking system without toothed jaws. (less abrasion of the rope)
- Can be installed and removed at any point of the rope
- Complies with EN353-2, CNB/P/11.062 (for more than 100kg)
- Anti-reverse system: improved safety as it is impossible to mount the system upside down



Model	Product Code
stopfor™ KS 150kg	276279



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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## stopfor™ KSP - fall arrester - 100kg

The stopfor™ KSP can be moved up and down freely, making it ideal for vertical & horizontal applications. Features additional safety and parking function.

- Suitable for 11 mm braided rope
- For vertical, inclined and horizontal applications
- Aluminium
- Lightweight and ergonomic
- With parking function: manual locking on the rope
- Easy to use and transport
- Locking system without toothed jaws (less abrasion of the rope)
- Available with 30cm strap (LS30)
- Can be installed and removed at any point of the rope
- Anti-reverse system: improved safety as it is impossible to mount the system upside down
- Complies with EN353-2, CNB/P/11.075 (horizontal use)



Model	Length (cm)	Product Code
stopfor™ KSP 100kg - M10	-	80022
stopfor™ KSP 100kg - strap + M41	30	79072
stopfor™ KSP 100kg - strap + M42	30	79082

## stopfor™ KSP - fall arrester - 150kg

The stopfor™ KSP allows the user to move up and down freely, making it suitable for vertical applications. Features additional safety and parking function.

- Suitable for vertical applications
- Suitable for 11 mm braided rope
- Aluminium
- Lightweight and ergonomic
- With parking function: manual locking on the rope
- Easy to use and transport
- Locking system without toothed jaws. (less abrasion of the rope)
- Can be installed and removed at any point of the rope
- Anti-reverse system: improved safety as it is impossible to mount the system upside down
- Complies: EN353-2, CNB/P/11.062 (for more than 100kg)



Model	Product Code
stopfor™ KSP 150kg	79062

Type:	Braided rope 11mm	Stranded rope 11mm	Anti reversibility system	Park function	150kg	Vertical use	Horizontal use	Material
stopfor™ B	-	Yes	-	-	Yes	Yes	Yes	Aluminium
stopfor™ BF	-	Yes	-	-	Yes	Yes	Yes	Aluminium
stopfor™ MSP	-	Yes	Yes	Yes	Yes	Yes	Yes	Steel
stopfor™ SL	-	Yes	Yes	-	Yes	Yes	-	Stainless steel
stopfor™ K	Yes	-	-	-	-	Yes	Yes	Aluminium
stopfor™ KS	Yes	-	Yes	-	-	Yes	Yes	Aluminium
stopfor™ KSP	Yes	-	Yes	Yes	-	Yes	Yes	Aluminium
stopfor™ KS 150kg	Yes	-	Yes	-	Yes	Yes	-	Aluminium
stopfor™ KSP 150kg	Yes	-	Yes	Yes	Yes	Yes	-	Aluminium



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Anchor lines

## RLX D anchor line - M10

RLX D anchor line for the stopfor™ fall arresters

- Complies to EN 353-2 standard
- Equipped with an M10 connector at the top and a stop at the bottom
- Braided rope anchor line ø 11 mm
- For use with stopfor™ K/KS/KSP



Model	Product Code
RLXD 11 5-10-A	37532
RLXD 11 10-10-A	37542
RLXD 11 15-10-A	37552
RLXD 11 20-10-A	35562
RLXD 11 30-10-A	37572
RLXD 11 40-10-A	37582
RLXD 11 50-10-A	37592

## RLX D anchor line - M41

RLX D anchor line for the stopfor™ fall arresters

- Complies to EN 353-2 standard
- Equipped with an M41 connector at the top and a stop at the bottom
- Braided rope anchor line ø 11 mm
- For use with stopfor™ K/KS/KSP



Model	Product Code
RLXD 11 5-41-A	17002
RLXD 11 10-41-A	17012
RLXD 11 15-41-A	17022
RLXD 11 20-41-A	17032
RLXD 11 30-41-A	17052
RLXD 11 40-41-A	17062
RLXD 11 50-41-A	17072



Order products on day 1, will be shipped no later than day 2



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Available on request. Please enquire about delivery times of these items.

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# derope™

derope™ - to perform an evacuation

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 400m or 2 people (up to 225 kg) at heights of up to 200m.

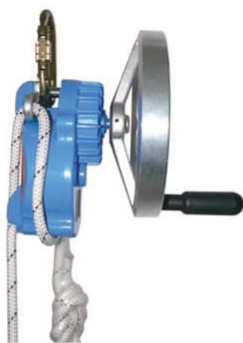
## Available models:

- STD - is descent only
- UP A - with a recovery winch to raise or lower a casualty
- UP B - with winch and large mounting bracket for ladder
- UP K - with winch and small mounting bracket for ladder

Model UP A, B and K enable an upward and downward evacuation. They include a drill attachment option for use with 14 V 300 W drill.



Derope™ STD



Derope™ UP A



Derope™ UP B



Derope™ UP K

Model	Description	Product Code
derope™ STD	Standard version (with end kit excl. rope)	279499
derope™ UPA	With rescue winch (with end kit excl. rope)	279509
derope™ UPB	With rescue winch and large mounting bracket (with end kit excl. rope)	279519
derope™ UPK	With rescue winch and small mounting bracket (with end kit excl. rope)	279529

## derope™ std

Additional accessories for the derope™.

Model	Description	Product Code
End Kit	The rope end kit, comprising two M10 connectors and the markings	52962
Rope	Rope per meter	50962
Bag and reel	combipro 60l + plastic rope reel (max. 70 m)	68792
Backpack	Waterproof backpack (max 150 m, 430 x 310 x 150 mm).	67422
HT9 harness	For evacuation operations. 3 adjustment settings, suitable for adults and children.	17622
HT22R - M	Evacuation harness (shoulder strap attachment) - vertical evacuation. Standard buckles	44962



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# derope™ rescue kit

A complete kit for evacuation at heights.

## Contents of the rescue kit:

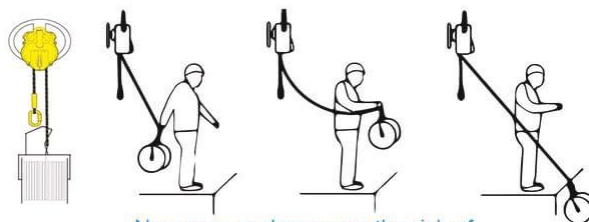
- derope™ UP A for upwards and downwards evacuation
- 10.5 mm braided rope with a length of 85, 120 or 150 m and 3 M48 tri-lock karabiners
- 1 patented Tractel rope reel
- 1 braided rope protector
- 1 lanyard spreader device with connector to keep the rope from the structure
- 1 Stopfor™ K to disconnect 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

## Specifications:

- Dimensions (H x L x D): 225 mm x 200 mm x 165 mm
- Max load recovery: 150 kg (400 m) or 225 kg (150 m)
- EN 341 class A + EN 1496 class A standards
- Descent speed: 0.5 m/s - 2 m/s



New rope reel removes the risk of tangling when the rope is thrown

Model	Product Code
derope™ rescue kit 85 m	222949
derope™ rescue kit 120 m	222959
derope™ rescue kit 150 m	222969

# evak™ 500

The evak™ 500 is a manual rope winch offering unlimited travel, with a 500 kg capacity.

- Designed especially for rescue operations.
- Static rope with a diameter between 10.5 and 12.5 mm.



Model	Product Code
evak™ 500	23498
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



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Available on request. Please enquire about delivery times of these items.

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# Temporary lifelines



## tirsafe™ wire rope temporary lifeline

tirsafe™ T3 is a temporary lifeline that is easy and quick to install when there are two anchoring points offering sufficient support. It allows for total freedom of horizontal movement.

The tirsafe™ T3 temporary lifeline includes:

- 1 anchor point with Tirsafe™ shock absorber which ensures triple function of pre-tension indicator, shock absorber indicator and fall indicator
- 1 tirfor T3 cable winch
- 1x 20 or 30 metre long cable, with a diameter of 8.3 mm
- 2 x 2 metre slings

The tirsafe™ T3 temporary lifeline guarantees the safety of 3 people. Complies with the EN 795 B and EN 795 C standard.

Model	Product Code
tirsafe™ T3 - 20m	280559
tirsafe™ T3 - 30m	276149



## tempo 2 - temporary lifeline

tempo 2 is a temporary lifeline, easy and quick to install when there are two anchoring points offering sufficient resistance. 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 0 to 18m
- Can be used by 2 people
- Complies with the EN 795 B standard
- Supplied with 2 AS30S webbing strap rings, 2 MR9 connectors and a shoulder bag

Model	Product Code
Tempo II kit	206018



## tempo 3 - temporary lifeline

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.

- Static rope line, N.G.R reinforced, adjustable from 0 to 18 m.
- Complies with the EN 795 B standard
- Supplied with 2 AS30S webbing strap rings, 2 M10 connectors and a shoulder bag

Model	Product Code
Tempo III kit	207068



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# Temporary anchor points

## AS19S - webbing strap ring

Polyester webbing strap (EN 795 B). Ring designed to create an anchor point on a framework onto which a fall arrester can be attached.

- Complies with EN795 B-2012 standard and CENTS16415/2013
- Webbing strap rings available in lengths of 0.6 m, 1 m, 1.5 m and 2 m.
- Optional: sleeve for the anchor strap to prevent abrasion



Model	Product Code
AS19S - 0.6 m	38382
AS19S - 0.8 m	38392
AS19S - 1.0 m	38402
AS19S - 1.5 metre	80852
AS19S - 2 metre	72152
Sleeve	18192

## AS19S GA - webbing strap ring with protective sleeve

Polyester webbing strap (EN 795 B). Ring designed to create an anchor point on a framework onto which a fall arrester can be attached.

Version with protective sleeve to prevent wear and protect against sharp or abrasive edges (with kevlar).



Model	Product Code
AS19S GA - 0.6 m	81412
AS19S GA - 0.8 m	81422
AS19S GA - 1 m	81432
AS19S GA - 1.5 m	81452
AS19S GA - 2 m	81462



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Available on request. Please enquire about delivery times of these items.

## AS30S - webbing anchor sling

Polyester anchor sling. The sling is used to create an anchor point on a frame.

- Complies with EN795 B-2012 standard and CENTS16415/2013
- Webbing strap rings available lengths: 0.6 m, 1 m, 1.5 m and 2 m.
- Width: 19mm
- Optional: protective sleeve to prevent wear and protect against sharp or abrasive edges.



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

## Door anchor

Door anchor where a door or window can be used as an anchor point.

- Complies with EN 795 B standard
- Fast and easy to install
- Up to 2 users
- Spacing: 1100 mm = 1 user, 800 mm = 2 users



Model	Product Code
Door Anchor	62217

## Roll clamp

It enables creating a mobile anchor point on an RSJ and working safely while retaining a wide freedom of movement. Thanks to its 4 bearing rollers, the roll clamp follows movements around the framework with a minimum of user intervention.

- Complies with EN 795 B standard
- Medium, adjustable 90 - 400mm (max.)
- Large, adjustable 200 - 615mm (max.)
- Can be installed on the upper or lower flange
- Weight: M 1.48 kg and L 2.04 kg



Model	Product Code
medium	86009
large	86019



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Available on request. Please enquire about delivery times of these items.

## corso™ beam clamp

Is only suitable to serve as a fall arrest anchor point for individuals

- Complies with EN 795 B standard
- Beam clamp with adjustable screw rod
- Adjustable between 75 to 235mm
- Compact and strong construction
- Suitable for I, H or T Profiles
- Quick and easy adjustment
- Removable lever



Model	Product Code
corso LT-1B Beam Clamp	97929



Corso - beam clamp



Corso rollbeam - push trolley

## corso™ roll beam push trolley

- Is suitable to be used as a fall arrest anchor point
- Complies with EN 795 B standard
- Runs over the lower flange of an I, H or T profile



Model	Product Code
rollbeam SB	54369
rollbeam LB	88559

## mobifor™ - dead weight mobile anchor point

The mobifor™ is a 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. Fast and easy to install. No drilling, no fixings, no penetration of the building structure.

- Can be installed on concrete, bitumen, EPDM or PVC with a maximum slope of 5 degrees.
- Patented anchor concept conforms with the EN 795/2012 class E standard.
- The set consists of dead-weight anchors - 4 arms - 24 concrete blocks of 25 kg.



Model	Product Code
mobifor™ mobile anchor point	279409



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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# Permanent anchor points

## Anchor - PAS

The PAS anchor point is suitable for the secure attachment of a fall protection system. The anchor point has been tested to stop a fall of **1 user**, with a maximum weight of 150 kg, including equipment and tools.

- Fixed anchor point
- EN 795 A-2012 standard
- Complies with the CEN TS1641 / 2013 standard for a weight of up to 150 kg.
- Fixed with M12 bolts, chemical or mechanical



Model	Product Code
PAS Anchor	196418

## Anchor - PO

The PO anchor point is suitable for the attachment of a fall protection system. The anchor point has been tested to stop a fall of **2 users**, both weighing a maximum of 150 kg

- Fixed anchor point made of stainless steel
- Complies with the EN 795 B-2012 standard
- Complies with CEN TS16415 / 2013 standard for a weight of up to 150 kg.
- Fixed with M12 bolts with a thickness of 12 mm.



Model	Product Code
PO Anchor	196428

## Anchor - ringflex

A stainless steel or galvanized anchor point for fixing to corrugated roofs (steel or aluminum). The Ringflex can be used by **1 to 2 users** at the same time.

- Compliant with the EN795A: 2012 standard for 1 user with a weight of up to 150 kg.
- Complies with TS16415: 2013 standard, 2 users, max. weight 150 kg.
- The ring rotates so that the user can move freely
- Comes with seal, fixing screw for the anchor ring and fixing rivets for the anchor point



Model	Product Code
Ringflex anchor ring single item	193858
Anchor plate kit - galva - 125mm.	207788
Universal plate - stainless steel 5mm	206878
Universal plate - stainless steel 3mm	206888
Installation kit universal plate - 4 clamps	232577
Installation kit universal plate - 12 rivets	232587

## Anchor - PA

This aluminum anchor point has been tested to stop a fall of **2 users**, both weighing a maximum of 150 kg. including tools and work clothes.

- Complies with the EN 795 A standard
- Fixed with M12 bolts at 100 mm intervals.
- Available in the following 5 colors: aluminum, gray, black, red and yellow



Model	Product Code
PA Aluminium	64488
PA Black	64448
PA Grey	64458
PA Red	64438
PA Yellow	64468



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Permanent anchor points

## Anchor - ballsafe

The ballsafe anchor point is made up of a four block plug and a female socket.

- Complies with EN 795 B standard
- 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

## Anchor - roof anchor point

The roof anchor points are designed to support a ladder and attach fall arresters.

- Complies with EN 795A / EN 517 standards
- secured directly into wooden roof trusses using annealed crampons or spikes.
- Available in galvanised and 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

## Anchor - ringsafe

The ringsafe is a fixed anchor point with integrated fall indicator, suitable for attaching a fall protection system.

Tested to stop the fall of one operator weighing 150kg (including the weight of his equipment)

- EN 795 - A : 2012
- Fixed with M12 bolts, chemical or mechanical
- Fixed anchor point made of stainless steel



Model	Product Code
ringsafe Anchor	76299

## Anchor - roof truss

- Material: steel
- Support: wooden roof trusses
- Complies with CE EN 795 class A standard



Model	Product Code
Roof Truss Anchoring Device	109117

## Anchor - post

Anchor post fitted with a stainless steel anchor point.

- Complies with EN 795A standard
- Galvanized steel
- square base plate 270 x 270 mm.
- 70x70 mm. cross-section



Model	Product Code
Height: 250mm	72178
Height: 500mm	66968
Height: 750mm	72338



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Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# Working in Confined Spaces

Every year, people are killed or seriously injured while working in confined spaces. This happens in a wide range of industries and those killed include not just the person working in the confined space, but also those who try to rescue them without proper training and equipment.

Key requirements of the Confined Spaces Regulations 1997 include:

- avoiding entry into a confined space (Regulation 4), eg by doing the work from outside
- where entry into a confined space is unavoidable, following a safe system of work (Regulation 4)
- putting in adequate emergency arrangements before the work commences (Regulation 5).

These regulations define a confined space as:

“any place, including any chamber, tank, vat, silo, pit, trench, pipe, sewer, flue, well or other similar space in which, by virtue of its enclosed nature, there arises a reasonably foreseeable specified risk”.

At Tractel, we specialise in Confined Space Access safety, and this year we have increased our range of products to ensure optimum safety when working in confined spaces, or when mounting a rescue operation.



NEW: davitrac



tracrod 150kg



tracpode 150kg



# tracpode tripod

The tracpode is a temporary anchor point tested to stop the fall of two operators weighing 150 kg each; including their equipment and tools. It can also be used as an anchor point for lifting, with the capability to raise a maximum load of 500 kg, provided the strap is fitted to the feet.

Due to its size, the tracpode is extremely suitable as a mobile anchor point for working in confined spaces, handling loads and performing rescue operations. Made from lightweight aluminium, the tracpode can be folded up small enough to be transported easily in most vehicles.

## Features tracpode tripod:

- Meets the requirements of the EN 795B standard and the TS16415 (multi-use, 150 kg)
- Compliant with the Machinery Directive 2006/42 / CEE
- Made from aluminum & easy to install
- Tubular legs ensure that the system is strong and rigid
- The extendable legs are attached by narrow cables to hold all parts together
- The legs can be extended at various positions to achieve the required working height
- Adjustable to 1.53 m - 1.72 m - 1.91 m - 2.10 m - 2.29 m - 2.48 m (max. height under head)
- Foldable system for easy transport

## The tracpode can receive:

- blocfor™ fall arresters complying with the requirements of EN 363-2008 standard (2 users, max. weight 150 kg)
- Rescue lifting devices per EN 1496:2017
- Devices for working suspended on rope



Model	Description	Product Code
tracpode	Tripod without pulleys	273739
tracpode + PPE pulley kit	Tripod with pulleys	273749
tracpode	tracpode with 2 PPE pulley kits	273769
PPE pulley kit	PPE pulley kit - 1 piece	196968
lifting pulley kit	Lifting pulley kit - 1 piece	196958
Tripod canvas bag	Bag specially designed for the tracpode tripod	31572

Delivered without blocfor™ and carol™

# tracpode - short model

In addition to the standard size, a short model is also available. This model is adjustable to 1.28 m - 1.47 m - 1.66 m - 1.85 m - 2.04 m - 2.23 m (max height under head).

Model	Product Code
tracpode - short model	278039
tracpode + PPE pulley kit	278049
tracpode + 2 PPE pulley kits	278059

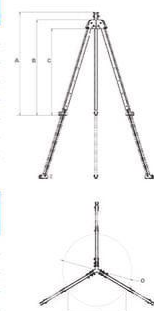


## DIMENSIONS OF THE TRACPODE

position	height with pulley (A)	height without pulley (B)	height under head (C)	distance between two feet (D)	max. diameter of hole in ground ø
closed	1.88 m	1.76 m	0	0	0
opening no. 1	1.78 m	1.66 m	1.53 m	1.03 m	1.20 m
opening no. 2	1.97 m	1.85 m	1.72 m	1.14 m	1.33 m
opening no. 3	2.16 m	2.04 m	1.91 m	1.25 m	1.46 m
opening no. 4	2.35 m	2.23 m	2.10 m	1.36 m	1.59 m
opening no. 5	2.54 m	2.42 m	2.29 m	1.47 m	1.72 m
opening no. 6	2.73 m	2.61 m	2.48 m	1.58 m	1.85 m

## DIMENSIONS OF THE TRACPODE - SHORT MODEL

position	height with pulley (A)	height without pulley (B)	height under head (C)	distance between two feet (D)	max. diameter of hole in ground ø
closed	1.52 m	1.40 m	0	0	0
opening no. 1	1.54 m	1.42 m	1.30 m	0.94 m	1.25 m
opening no. 2	1.73 m	1.61 m	1.49 m	1.07 m	1.38 m
opening no. 3	1.92 m	1.80 m	1.68 m	1.20 m	1.51 m
opening no. 4	2.11 m	1.99 m	1.87 m	1.33 m	1.64 m
opening n. 5	2.29 m	2.17 m	2.05 m	1.46 m	1.77 m



# blocfor™ R automatic fall protection device - 150kg/100kg

Automatic fall protection device with integrated winch for raising a casualty in an emergency.

- Complies to EN360 standard for fall arrest and the EN1496B standard for rescue lifting devices.
- Complies to CNB/P/11.060: technical data sheet "use on terrace roof"
- Complies to CNB/P/11.062: Fall arrest with a capacity of more than 100 kg
- Integrated End System Dissipator (ESD) system ensures the user with an impact of less than 600 daN, even with a fall where the cable has been completely unwound.
- Can be fitted to the trapcode 150 kg with a tractel® bracket
- Available cable length 20 m or 30 m.

## blocfor™ 20R & 30R ESD I - 100kg

NOTE: The Blocfor™ 20R and 30R (ESD) with stainless steel cable and M10 I hook have a maximum capacity of 100kg.



Model	Description	Product Code
blocfor™ 20R ESD G - 150kg	20 m - galvanised cable - with M46 connector	75492
blocfor™ 20R ESD I - 100kg	20 m - stainless steel cable - with M10 I connector	28612
blocfor™ 30R ESD G - 150kg	30 m - galvanised cable - with M46 connector	75502
blocfor™ 30R ESD I - 100kg	30 m - stainless steel cable - with M10 I connector	42972
blocfor™ leg bracket	bracket for mounting blocfor™ R onto tripod	200368

## carol™ + bracket

The carol™ R 150kg winches are rescue winches that have been tested to be attached to one leg of Tracel® trapcode.

- Complies to the EN795B/2012 standard for installation on the tripod
- Complies to EN1496/2017 class B for use up to 150 kg.
- Complies to the Machinery Directive 2006/42/CEE
- Winch has been subjected to all braking and endurance tests according to EN13157:12/2004
- Lifting capacity: 250 kg
- Equipped with support for the tripod, attached to the legs
- Available cable length: 20 and 30 metres



Model	Description	Product Code
caRol™ 20 + leg bracket + 20m cable	carol™ winch incl. 20m wire rope and mounting bracket	280589
20-m cable for carol™ R	Galvanized cable - 20 m - for carol™	51042
caRol™ 30 + leg bracket + 30m cable	carol™ winch incl. 30m wire rope and mounting bracket	280599
30-m cable for carol™ R	Galvanized cable - 30 m - for carol™	51052
Mounting bracket	Mounting bracket for the trapcode 150 kg.	200378



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# tracpode for rescue operations

## derope™ UPR for tracpode

The derope™ UP R is a descender with rescue winch for upward and downward evacuation (up to 120kg). It can be used for downward evacuation to evacuate 1 person (up to 150 kg.) up to a maximum height of 400 metres or 2 persons (up to 225 kg.) up to a maximum height of 200 metres.

- Complies with the EN341A and EN1496A standards.
- Comes with a bracket for the tripod
- Including new, adapter for a 14 V 300 W drill

Model	Product Code
derope™ UPR + console for tracpode	87498
derope™ UPR	194199
Rope (1m)	50962



## Drill

The UP-series is equipped with an adapter for use with a 14 V, 300 W power drill. This allows the derope™ UP descent unit to be used with a power drill, allowing many more applications to be performed with the product.

- The drill mount allows a person to be lifted quickly over a large height in the event of a rescue operation or vertical displacement. It is recommended for companies working in silos, tankers, drains, etc.
- With the derope™ UP descender, technicians who have access to the rope can easily be raised to a higher height.



## scafor™ with bracket for tracpode

Rescue winch that complies with the EN 1496 standard, with a maximum load of 150 kg.

scafor™ also complies with the requirements of hoisting winches with a maximum load of 250 kg (directive 2006/42 / EEC).

Model	Product Code
scafor™ R 250kg for tracpode with console - without cable	251079
Galvanised cable Ø 6.5 / 20m M47 for scafor™ R	245899
Galvanised cable Ø 6.5 / 30m M47 for scafor™ R	245909
Galvanised cable Ø 6.5 / 40m M47 for scafor™ R	245919
Galvanised cable Ø 6.5 / 50m M47 for scafor™ R	245929
Galvanised cable Ø 6.5 / 60m M47 for scafor™ R	286929
Galvanised cable Ø 6.5 / 70m M47 for scafor™ R	286939



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# tracrod 150 kg

The tracrod is a compact, lightweight and movable anchor point for two users of 150 kg each. The tracrod is particularly suitable for confined spaces, manholes, sewers, wells etc.

Before use, the anchor rod is inserted into a stainless steel mounting bracket, which is permanently fixed in a manhole. It can be set up and removed within seconds.

**The tracrod is the only 150 kg anchor point of this type on the market to have been certified for use in this configuration.**



- Enables two operators, each weighing up to 150 kg (operator + harness + tools), to work in safety.
- Conforms to standard EN 795A and TS16415 (multiple 150-kg users).
- The tubular design ensures that the system offers high levels of stiffness and strength.
- Can be fitted with a bracket to support a blocfor™ 20/30R fall-arresting device.
- Bracket for the blocfor™ can be fitted and removed within seconds.
- Certified for use as an anchor point for fall arrest and rescue systems,
- Small size (1.76 m) and low weight (5.5 kg) makes it easy to transport and quick to set up.
- All components of the tracrod anchor point are made of non-corrosive materials to provide optimal resistance in a humid environment.
- The support mount is fastened using 12 mm chemical anchor fasteners and does not require any special tools.



**For more information or a personalised quote, please contact your Area Sales Manager or Tractel on 0114 248 2266**

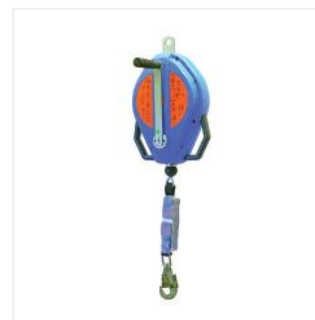
Model	Product Code
tracrod 150 kg anchor rod	207128
Support mount	207118
Securing plate	207368
5 cm thick spacer block	207358





## blocfor™ with bracket for tracrod

Model	Product Code
Bracket + blocfor™ 20R ESD galva 150 kg	81492
bracket + blocfor™ 20R ESD inox 100 kg	84412
bracket + blocfor™ 30R ESD galva 150 kg	81502
bracket + blocfor™ 30R ESD inox 100 kg	84422



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



Introducing davitrac, Our first davit arm for manhole and confined space entry: the davitrac arm was designed as a fall protection and rescue system for use in confined spaces and manholes. It offers fall protection and total mobility for two people simultaneously and can be used for lifting materials.



- Transportable anchor point for working in confined spaces (semi-permanent or permanent)
- Tool-free installation (installation by 1 person in less than two minutes without tools)
- Very lightweight (24 kg (without accessories & bases): easy to transport and implement
- Anchorage for 2 users of 150kg each.
- Can be used for lifting materials (WLL = 400kg).
- Modular: multiple combinations with Tractel® products.
- 360° rotating mast (with locking every 90°)

#### Technical characteristics:

- Sizes : 1600mm to 1900mm x 400mm to 700mm
- Anchor points for fall arresters (2 users): 150kg each
- Maximum load capacity (materials): WLL 500 kg

#### Standards:

- EN 795-B : 2012 (transportable anchor point)
- EN 1496
- CEN/TS 16415:2013-B (Fall arrest for 2 users).
- Individual protection of operators against falls (EN 795 A and / or B + EN 360)
- Machine Directive 2006/42/CE (Material lifting).

#### Compatible applications:

- Rescue
- Confined spaces & manholes
- Rope works
- Pits
- Sewerod access
- Pipes
- Oil and gas
- Civil engineering
- Industry
- Wind and solar installation



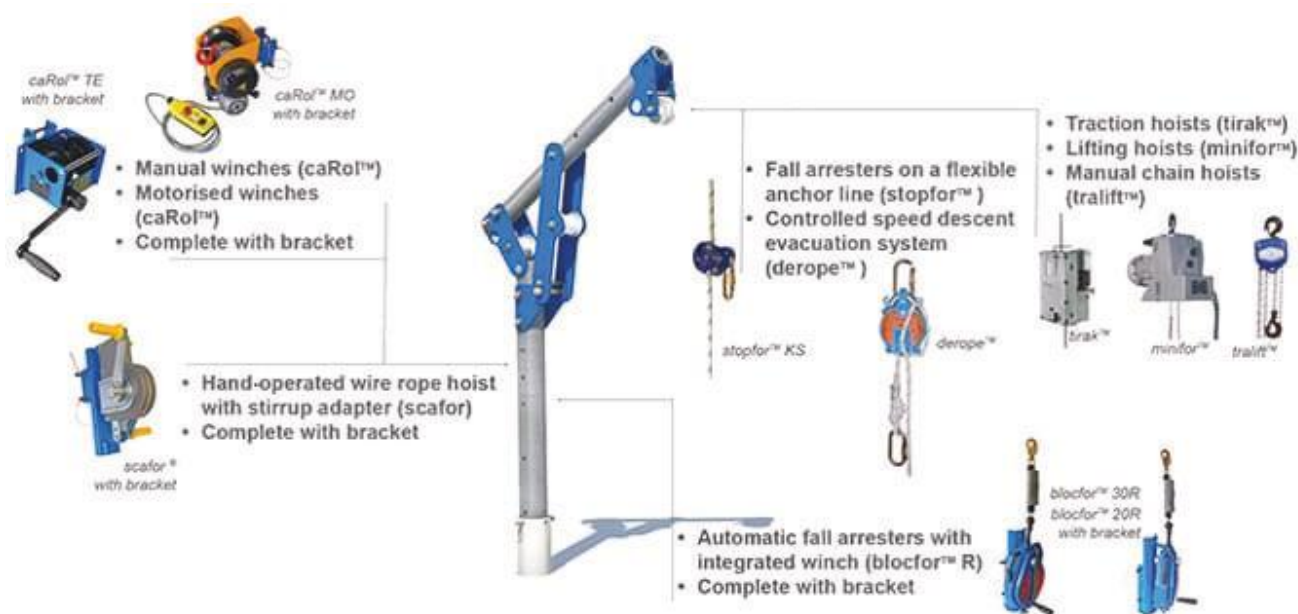
1. Clearance mural adapter 2. Wall mounted adapter 3. Flush floor adapter 4. Mounted floor adapter 5. Portable H base self-stabilizing

Model	Product Code
davitrac	286819
Wall mounted adapter	210118
Clearance mural adapter	210128
Mounted floor adapter	210108
Flush floor adapter	210138
Portable H base self-stabilizing	210098

# davitrac accessories

The davitrac is compatible with several other tractel products, allowing a large number of possible configurations. davitrac can be equipped with:

- Manual and motorised winches for rescue operations as well as lifting materials. (caRoI™ TE, caRoI™ MO, scafor® )
- Motorised wire rope hoists for lifting materials (tirak™, minifor™)
- Manual chain hoists for lifting materials (tralift™)
- Controlled speed evacuation device (derope™)
- Fall arresters on a flexible anchor line (stopfor™)
- Automatic fall arrest block with integrated winch (blocfor™ 20r + 30r)



## blocfor™ with bracket for davitrac

De blocfor™ 20R ESD en de blocfor™ 30R ESD functioneren als standaard haspels om te voorkomen dat een gebruiker valt. Ze hebben ook een geïntegreerd ophaalsysteem om een persoon snel te evacueren tijdens een redding.

Model	Product Code
blocfor™ 20R galva ESD with bracket for davitrac - 150kg range	84122
blocfor™ 20R inox ESD with bracket for davitrac - 100kg range	84132
blocfor™ 30R galva ESD with bracket for davitrac - 150kg range	84142
blocfor™ 30R inox ESD with bracket for davitrac - 100kg range	84152

## caRoI™ R with bracket for davitrac

- Lifting winch for material
- Rescue winch
- Capacity of 250 kg
- Cable lengths ø 5 mm - 20 m and 30 m
- Makes it possible to work in a suspended position

Model	Product Code
caRoI™ R 250kg with 20m of galvanized cable and bracket for davitrac	286949
caRoI™ R 250kg with 30m of galvanized cable and bracket for davitrac	286959



## scafor™ with bracket for davitrac

Manual winch with passing cable.

Model	Product Code
scafor™ R 500kg without cable - with bracket for davitrac	293019
Galvanised cable Ø 6.5 / 20m M47 for scafor™ R	245899
Galvanised cable Ø 6.5 / 30m M47 for scafor™ R	245909
Galvanised cable Ø 6.5 / 40m M47 for scafor™ R	245919
Galvanised cable Ø 6.5 / 50m M47 for scafor™ R	245929
Galvanised cable Ø 6.5 / 60m M47 for scafor™ R	286929
Galvanised cable Ø 6.5 / 70m M47 for scafor™ R	286939



## carol™ TS 500

Manual drum winch.

- Adjustable and removable ergonomic handle.
- Safety: system that makes it impossible to wrap the cable upside down.

Model	Product Code
caRol™ TS 500 - with 18m of galvanized cable and bracket for davitrac	286989



## carol™ MO

Electric winch designed for lifting material and for suspension work.

- Direct transmission (use in a water resistant location).
- Very easy to adjust and very reliable limit switch.
- Lifting and lowering control box with emergency stop (2 m control cable).

Model	Product Code
caRol™ MO 500 - lifting materials - with 13m of galvanized cable and bracket for davitrac	293009



## tralift™

Manual chain hoist.

- Compact and robust
- Safe braking system
- Strong chains and hooks
- Anti-corrosion treated chain

Model	Product Code
tralift™ 500kg for davitrac - 10m lifting chain - 2m manoeuvring chain	286849

The davimast is a complete solution for lifting people and loads, especially in confined spaces. It offers a mobile and efficient solution for rescue situations.

It provides protection and total mobility for two people at the same time, in operations where there is a risk of falling. The davimast is installed on the same foot as the davitrac (with the exception of the self-stabilising foot).

It can be used with many Tractel® products and allows a wide range of configurations.

## Technical characteristics:

- 2 independent 360° rotatable anchor points
- 2 users: up to 150 kg each
- CMU (lift): 250 kg with carol™ bracket
- Lightweight: easy storage, transport and installation
- No tools required for assembly
- Different types of fixed parts (same parts as davitrac): versatile use
- Can be used as an anchor point for the tempo 3 lifeline

## Standard:

- EN 795-B : 2012
- EN 1496
- Machinery Directive 2006/42/EC
- CEN/TS 16415:2013-B
- EN 795 Class A and/or B
- EN 360



## davimast: 360° rotatable anchor point

- 2 independent 360° rotatable anchor points
- 2 users: up to 150 kg each

## Standards:

- EN 795-B : 2012
- EN 1496
- CEN/TS 16415:2013-B
- EN 795 Class A and/or B
- EN 360

Model	Product Code
davimast mast	210188
Bracket with 2 anchor points	210198



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## davimast with blocfor™ and bracket

The blocfor™ 20 R ESD and the blocfor™ 30 R ESD function as standard reels to prevent a user from falling.

They also have an integrated rescue system to quickly evacuate a person during a rescue operation.

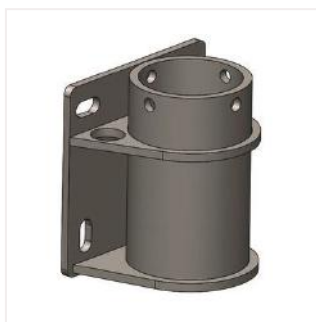
Model	Product Code
davimast mast	210188
blocfor™ 20R galvanised ESD 150 kg with bracket for davimast	84362
blocfor™ 20R inox ESD 100 kg with bracket for davimast	84372
blocfor™ 30R galvanised ESD 150 kg with bracket for davimast	84382
blocfor™ 30R inox ESD 100 kg with bracket for davimast	84392



## davimast with carol™ R and bracket

- Lifting winch for material.
- Capacity of 250 kg.
- Cable lengths ø 5 mm - 20 m and 30 m.
- Complies with EN 1496 150 kg and the Machinery Directive 2006/42/EEC 250 kg.

Model	Product Code
davimast mast	210188
carol™ R 250kg with 20m galvanised cable and console for davimast	293799
carol™ R 250kg with 30m galvanised cable and console for davimast	293809



## Spare parts davimast

Model	Product Code
Wall mounted adapter	210118
Clearance mural adapter	210128
Mounted floor adapter	210108
Flush floor adapter	210138



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# Rope access accessories

## Standard S pulley

Standard S pulley with fixed flanges

- Pulley diameter: 27 mm
- Braided rope, max. Ø 13 mm
- Material: light alloy
- Overall dimensions: 98 mm
- Weight: 75 g



Model	Product Code
Standard S Pulley Fixed Flanges	40162

## Standard S pulley

Standard S pulley with opening flanges

- Pulley diameter: 27 mm
- Braided rope, max. Ø 13 mm
- Material: steel
- Overall dimensions: 74 mm x 52 mm
- Weight: 165 g



Model	Product Code
Standard S Pulley Opening Flanges	40172

## Standard M pulley

Standard M pulley with fixed flanges

- Pulley diameter: 29 mm
- Braided rope, max. Ø 16 mm
- 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

- Application: tyrolienne (rope bridge) evacuation.
- Pulley diameter: 25 mm
- Braided rope, max. Ø 13 mm
- Overall dimensions: 113 mm x 86 mm
- Weight: 180 g



Model	Product Code
Double In-Line Pulley	40092

## Double pulley

Double pulley with opening flanges

- Pulley diameter: 29 mm
- Braided rope, max. Ø 16 mm
- Material: light alloy
- Overall dimensions: 110 mm
- Weight: 460 g



Model	Product Code
Double Pulley Opening Flanges	40112

## Double safety descent device

- Pulley diameter: 29 mm
- Braided rope, max. Ø 16 mm
- Material: light alloy
- Overall dimensions: 110 mm
- Weight: 460 g



Model	Product Code
Double Safety Descent Device	13572



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## Mountain eight

- Manual descent device usable with braided rope,  $\varnothing$  9 to 12 mm
- Reliable and lightweight for rescue and quick evacuation
- Weight: 75 g



Model	Product Code
Mountain Eight	20542

## Sternal ascent rope clamp

- Complies with EN 567 standard
- For rope climbing. Self-locking fall arrester for ropes with a diameter of 8 to 12 mm
- Clamp is used for climbing support



Model	Product Code
Sternal Ascent Rope Clamp	66112

## Rope protection

- Rope protection against sharp edges. Prevents fraying or cutting the rope
- Material: aluminium



Model	Product Code
Rope Protection	72586

## Anchor plate

- Braided rope,  $\varnothing$  8 to 12 mm
- Allows to remount on the cord
- in conjunction with right or left ascent handle
- Weight: 106 g



Model	Product Code
Anchor Plate	20512

## Ascender grip

- Complies with EN 567 standard.
- For rope climbing. Self-locking handle for ropes with a diameter of 8 to 12 mm
- Enables ascension on a rope



Model	Product Code
Ascender Handled Rope Clamp	65742

## Ascender foot clamp

- Foot-loop with adjustable strap



Model	Product Code
Ascender Foot-Loop	40122

## Work seat

- For working in a seated position for a long period of time
- Rigid sides to avoid thigh compression
- Three tools holders
- Positioned on back of HT Secours, HT Promast and HT Transport



Model	Product Code
Work Seat	65762



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Tree surgeon accessories

## Anchor line for trees

- Mobile anchor point for attaching the lanyard to a tree branch



Model	Product Code
Anchor Line For Trees	40982

## Arborist braided rope

- Tree pruning cord with a loop on one side
- Length: 20 to 50 meter



Model	Product Code
Rope 20m	59512
Rope 30m	59522
Rope 40m	59532
Rope 50m	69952

## Saddle bag

- Bag for throwing the arborist rope (51922) over a branch to create an anchor point
- Weight: 250 of 350 g



Model	Product Code
Throw bag 250g	53842
Throw bag 350g	59332

## Arborist rope (for saddle bag)

- Fitted with a buckle at one end
- Length: 50 metre
- Match with throw bag



Model	Product Code
Rope (for saddle bag)	51922

## Prusik knot®

- Self-locking knot enabling the tree surgeon to move along the arborist rope
- Length 0.6 m



Model	Product Code
Prusik Knot®	40992



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



4.

# Height safety systems



## Guard trac guardrail

Page 192–193

## Permanent lifelines

Page 194–202

## FABA safety ladders

Page 203–207

- ☐ Available on request. Please ask about the delivery time of these articles.
- ☒ Order on day 1, shipment no later than day 3 (maximum quantities apply).
- ☐ Order products on day 1, shipment no later than day 2.



# guard trac™ guardrail



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 only alternative to common guardrail solutions available on the market.

## 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.
- **NEW toe board option - when a parapet is not present**
- Fast Installation: 1 minute per meter.
- Compact footprint - ideal for installations with limited space
- Lightweight design
- The guard trac™ system can be installed on flat and inclined surfaces.
- The inclination is limited to 10°.
- 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**.



## guard trac™ is perfectly suited and certified for use in a variety of applications:

- 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:

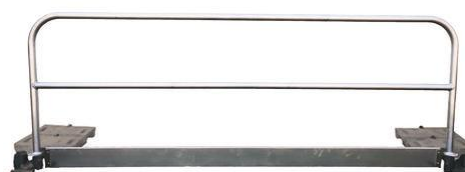
- Short counter-weight support
- Trip hazard reduced
- Limited number of components
- Lightweight components
- Any angle between 30° - 330°

### COMPLETE RANGE:

- Range of standard barriers (1.5 - 2 - 2.5 and 3 m)
- Toe-board option
- Adjustable barrier
- Adjustable gate
- Components interchangeable between the 2 versions
- Easy stock management
- No additional components required

### INSTALLATION:

- Tool free
- Quick (30% faster than comparable solutions)
- Easy installation and customisable on site.



3m guard trac™ barrier with toe board

# guard trac™ guardrail



## guard trac™

Model	Product Code
Standard barrier - 3m	272047
Standard barrier - 2.5m	272317
Standard barrier - 2m	272327
Standard barrier - 1.5m	272337
Standard barrier - 3m - with toe board	272347
Standard barrier - 2.5m - with toe board	272357
Standard barrier - 2m - with toe board	272367
Standard barrier - 1.5m - with toe board	272377
Adjustable barrier 1.50 - 2.25m	272027
Adjustable barrier 2.25 - 3.00m	272017
Latch	227015
Counterweight - 25kg	186938
Counterweight interface	272077



Order products on Day 1, will be shipped no later than Day 2



Order products on Day 1, will be shipped no later than Day 10. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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# Permanent lifelines



## travsafe™ - twin cable lifeline



The travsafe™ lifeline with its two cables is the most efficient and sophisticated lifeline on the market. Thanks to its special design, the slider easily moves past the intermediate cable brackets placed, with no need for any manual intervention.

- Standard travsafe™ (with stainless steel shock absorber rings)
- travsafe™ with two-material shock absorber ring
- travsafe™ with INRS shock absorber

These three travsafe™ lifeline versions can be used by 3 to 5 persons and are designed for installation under ceiling, on wall or ground. The anchors can be installed on any structure or by using post interfaces. Intermediate anchors must be positioned no more than 15 meters apart.

The travsafe™ lifeline is an anchoring system equipped with horizontal, flexible belaying supports which comply with the requirements of the EN 795-C:2012 standard.

**For more information please contact Tractel®.**



## Slider

- Standard: Mobile anchor point sliding on the straight travsafe™ lifeline cable
- Open: Mobile opening anchor point sliding on the travsafe™ lifeline cable
- RollSafe: Mobile anchor point sliding on the straight travsafe™ lifelines on a stainless steel cable installed under ceiling



Model	Product Code
Standard slider	76149
Opening slider	76159
RollSafe slider	251649



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.





## travflex™ 2 lifeline

travflex™ 2 is a single cable lifeline, enabling automatic passage over anchors. The lifeline is designed for installation on concrete roofs and corrugated metallic tray roofing and complies with the requirements of the EN 795 C:2012 standard. Intermediate anchors must be positioned no more than 15 meters apart. The lifeline is designed for up to three users.

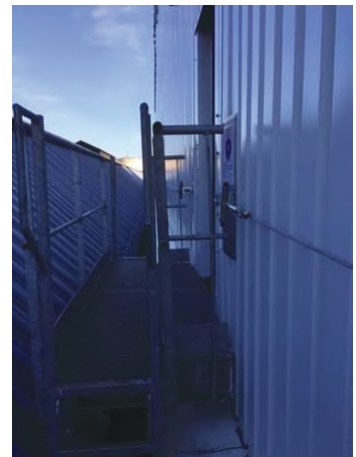
travflex™ 2 may be installed on metallic roofing with a minimum thickness of 0.6 mm or on concrete roofs. It can also be fitted in a straight line on a façade.

- Highly versatile in terms of where it can be installed and how it can be used.
- Easy to pass over intermediary anchors, no need for manual intervention.
- The user can work on either side of the lifeline.
- There is no need to disconnect when changing sides (improved safety).

### Meets the installer's needs:

- Exclusive wedge clamp system eliminating risk of loosening over time.
- No special equipment required for assembly. Standard tools are sufficient.
- The wire rope is extremely quick to assemble for enhanced efficiency.
- In the event of a fall, the anchors need to be replaced but this can be done without dismantling the entire lifeline, saving time.

**For more information please contact Tractel®.**



## Slider

Mobile, sliding anchor point for travflex™ 2 lifelines, can be connected and disconnected.

- Tractel® patent
- Stainless steel

Model	Product Code
Slider	251349



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

**TRIED, TESTED, TRACTEL®**



## 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.

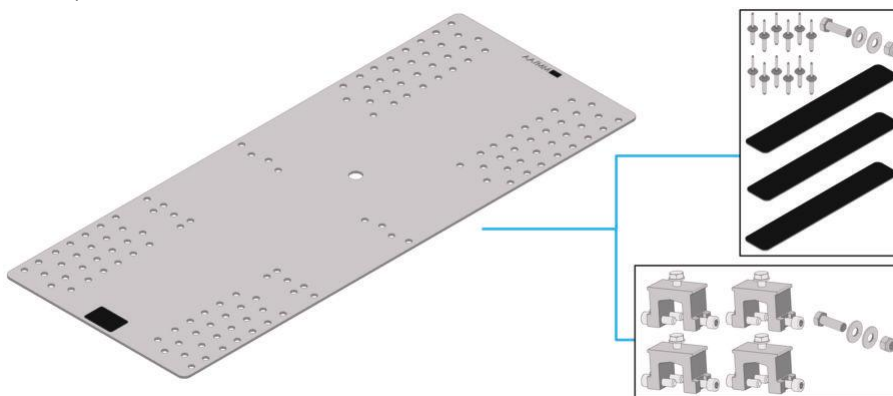
There are two versions available, depending on the intended use:

- 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 - 3mm*	206888
Extremity & intermediate universal plate - in galvanized steel - 3mm*	207788
Curve universal plate - in stainless steel - 5mm	206878
Kit 4 clamps + 1 bolt M16	232577
Kit 12 rivets + rubber sealing bands + 1 bolt M16	232587

\* Extremity & intermediate universal plate is also suitable for the ring flex.

#### 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™ 150kg

The new travspring™ lifeline is an evolution of the previous version. The cable clamps of the previous model have been replaced by a wedge clamp. This completely eliminates the risk of disconnecting the cable clamps over time. It complies with the European norm EN792-C:2012 and the CEN/TS16415:2013 for multi-user.

It is designed to be proximity lifeline as the intermediate anchor must be crossed manually.

**NEW**

### 150kg High Capacity Range

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. 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 certified all of its self retracting fall arrester (EN360) and guided type fall arresters (EN353-2) rated 150kg. All lanyards certified EN 355 can be used with the travspring™ lifeline.

### INRS absorbers

The travspring™ lifeline is intended for 5 users of 100kg or 3 users of 150kg. Thanks to the INRS patented fall arrester, the travspring™ lifeline produces a minimal impact in the event of a fall on the end. All parts of the lifeline are made of stainless steel, combined with a galvanised or stainless steel cable of 8 mm. The travspring™ lifeline can be installed on the wall, on a ground support or post.



For more information please contact Tractel®.



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

TRIED, TESTED, TRACTEL®



## travspring™ One 150kg

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.

**NEW**

### 150kg High Capacity Range

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. 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 tested and certified all its automatic fall arrest devices (EN360) and guided fall arresters with flexible anchor line (EN353-2) from the 150kg range together with the travspring™ One. All lifelines certified to EN 355 can be used with the travspring™ One.



### 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.

**For more information please contact Tractel® .**



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



## travsmart lifeline 150kg

The travsmart lifeline complies with the requirements of the EN 795 C standard and can be used simultaneously by 5 users of 100kg or 3 users of 150kg. The distance between the intermediate supports is maximum 15m or at a single span of 30m. The travsmart lifeline can be installed under the ceiling, on the wall, on an inclined surface, on the ground or on a post.

### MEETS THE USER'S NEEDS:

- 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 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.

For more information please contact Tractel®.



## Slider

Mobile, sliding anchor point for travsmart™ lifelines, which can be connected and disconnected.

- Tractel® patent
- Stainless steel



Model	Product Code
Slider	251349



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

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# Vertical lifelines

## stopcable™ 150kg



The use of a ladder to gain access to a high-level workstation can pose an element of risk.

The purpose of the stopcable™ 150 kg system is to ensure the safety of personnel throughout their ascent.

The stopcable™ 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™ vertical lifeline was designed, created and tested to comply with the requirements of the EN353-1 and EN 353-2 standards.



## U bolt

The jumpers or stirrups enable the connection of the anchor terminals and the cable guides to the ladder rungs.

- Material: Stainless steel



Model	Product Code
diameter 27 mm	18132
diameter 34 mm	18142

## Cable guide

To be installed approximately every 10 m. The purpose of the cable guide is to restrict cable play.

- Material: stainless steel and rubber.



Model	Product Code
cable guide	108857

## Cable

- Galvanized or stainless steel cable.
- Start kit: 3 m cable supplied with swage on one side and 3 steel cable clamps.
- Add additional length per meter.



Model	Product Code
galvanized start kit	37422
Extra galvanized cable per m.	25101
stainless steel start kit cable	18162
Extra stainless steel cable per m.	25091

## Shock absorber

- Material: stainless steel clevis pin,
- PU shock absorber.
- To be used with old fall prevention device without fall arrester (not required with FPDA fall prevention device)



Model	Product Code
Energy shock-absorber	90049

## Tensioning device

Spring tensioning device.

- Material: stainless steel clevis pin, pre-tension indicator.
- Counterweight (should be used at the bottom end of the installation, if this end is not fixed onto the ladder).



Model	Product Code
counterweight	129445
tensioning device	261809



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

## Fall prevention device

Fall arrester with shock absorber.

- Anti-reversibility system
- Supplied with M10 connector
- Absorber webbing strap
- Material: Stainless steel



Model	Product Code	Model Name
FPDA	72272	FPDA



## Anchor point

Top or bottom anchor point (per piece).

- Material: Galvanized steel or stainless steel
- 2 models:
  - H - Horizontal support
  - V - Vertical support



Model	Product Code
H, galvanized	17872
H, stainless steel	32902
V, stainless steel	87378

## Signpost

Signpost for stopcable™ system.



Model	Product Code
signpost	146465

Order products on day 1, will be shipped no later than day 2

Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.

Available on request. Please enquire about delivery times of these items.





The horizontal fall arrest rail by Tractel®. The 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 construction. It allows the slider to move freely over the intermediate anchors, making it easy for the user to switch from one side of the rail to the other.



The rail makes it possible to secure 3 individuals (each weighing max 100kg incl. equipment and tools) at the same time (1 person per slider).

The rail can also be used as an anchor point for Rope-access work in combination with the special slider for this application.

The maximum distance between the brackets of the aluminium rail is 6m (3m for rope access applications). 90° curves available for wall and floor/ceiling mounting. Can be mounted on the floor, on the wall or overhead.

- Removable end stop for the insertion or retrieval of the slider(s)
- EN 795-D:2012
- CEN/TS 16415:2013 for 3 simultaneous users
- Complies with EN 795-D:2012
- Complies with CEN/TS 16415:2013 for 3 simultaneous users
- To be used with EN 360 Retractable fall arresters
- To be used with EN 353-2 Guided fall arresters with flexible anchor line
- For use with EN 355 energy absorbers and shock absorbers
- 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
Drilling kit	232765
Standard slider	232675
Rolling slider	233225
Slider for wall suspended works	232795



Standard slider



Rolling slider



Order products on day 1, will be shipped no later than day 2



Order products on day 1, will be shipped no later than day 3. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

# Permanent safety ladders

## FABA™ system

The FABA™ range is a fall arrest system on a rail for vertical and horizontal movements. The vertical rails are separately available for mounting on an existing ladder or can be supplied with an integrated ladder. The FABA™ systems are designed for 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®.



## Delivery time safety ladders



Order products on day 1, will be shipped no later than day 2.



Order products on day 1, will be shipped no later than day 5. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



FABA™ Klassik

## FABA™ A11 system

Introduced in 1965, the FABA™ A11 System is the precursor to the vertical access safety devices. Vertical fall arrest system in the form of a rail or ladder, complies with EN 353-1 standard. The slider can be inserted in either direction in the safety rail.

- Version: Ladder with central upright or just a rail.
- Spacing in between stops: 140 mm
- Spacing in between rungs: 280 mm
- Rungs: Inclined forward and welded on the back of the rail.
- Ladder width: 408 mm
- Primary Length: 2800 mm
- Dimension: 68 x 56 x 2.8mm
- Adjustment lengths: 1960, 1680, 1400 and 1120 mm
- Maximum distance between fixings: 1960 mm
- Slider: FABA™ Klassik



FABA™ EZ

## FABA™ A12 system

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. Vertical fall arrest system in the form of a rail or ladder, complies with EN 353-1 standard. 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
- 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
- Maximum distance between fixings: 1400 mm for the ladder and 1960 mm for the rail
- Sliders: FABA™ AL-D, FABA™ GRIP and FABA™ EZ



FABA™ Grip

## FABA™ AL2 system

The FABA™ AL2 System is based on the principle of the FABA™ A12 System and is suitable for material in anodised aluminum. Vertical fall arrest system in the form of a rail or ladder, complies with EN 353-1 standard. 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
- Ladder width: 414 mm
- Primary lengths: 5600 and 2800 mm
- Distance between fixings: 1680 mm for the ladder with central upright
- Distance between fixings: 2520 mm suitable for ladder with side uprights or the rail.
- Sliders: FABA™ AL-D, FABA™ grip en FABA™ EZ

For more information about our safety ladders and other special applications, please contact Tractel® (0031 (0)765435135).

## Sliders

The FABA™ system makes it possible to work safely with multiple users. The distance between two users is at least 3 meters and no more than two users may be located within a distance of 10 meters. Each user has his own FABA™ slider for the respective rail.

### FABA™ Klassik 150kg

FABA™ Klassik slider is a symmetrical slider suitable for the A11 system. The slider can be placed in both directions in the safety rail, so incorrect positioning is not possible. The user has to climb close to the ladder, so it can also be used if there are obstacles behind the user.

- Complies with standard EN 353-1:2018 and the PPE regulations (EU) (EU) 2016/425
- Suitable for FABA™ A11 rail and ladder

Model	Productcode
FABA™ Klassik - 150kg	514208



### FABA™ AL-D 150kg

The AL-D is a slider for universal use that is used to climb close to the ladder if, for example, there is an obstacle behind the user. Can be used when there is free space behind the user.

- Complies with standard EN 353-1:2018 and the PPE regulations (EU) (EU) 2016/425
- Implementation is only possible in one direction due to asymmetric profile
- FABA™ AL-D 150 kg is suitable for FABA™ A12, AL2, AL2 mobil and the AL2 Mobil-F

Model	Productcode
FABA™ AL-D - 150kg	514008



### FABA™ Grip 150kg

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.

- Complies with standard EN 353-1:2018 and the PPE regulations (EU) (EU) 2016/425
- Certified for a user up to 150kg
- Suitable for FABA™ A12, AL2, AL2 mobil and the AL2 Mobil-F

Model	Productcode
FABA™ Grip - 150kg	514408

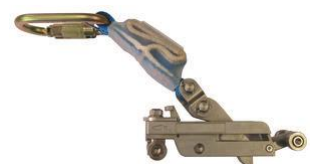



### FABA™ EZ 150kg


The FABA™ EZ can be inserted and retrieved at any place on the rail or a ladder, thanks to its unique design, you can insert or retrieve it with only one hand.


- Developed and compatible with FABA™ A12, AL2, AL2 mobil and AL2 Mobil-F
- Introduction is only possible in the correct direction thanks to asymmetric profile
- Thanks to the design of the slider, entry and exit sections are not necessary
- Conforms with EN 353-1:2018 and the PPE regulation (EU) 2016/425

Model	Productcode
FABA™ EZ - 150kg - M23	513878
FABA™ EZ - 150kg - M10	513888



 Order products on day 1, will be shipped no later than day 2.

 Order products on day 1, will be shipped no later than day 5. Maximum quantities apply for this service.

 Available on request. Please enquire about delivery times of these items.

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# Temporary safety ladders



## FABA™ AL2 mobil system

### 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™ AL2 Mobil-F system

### 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.

For more information about our safety ladders and other special applications, please contact Tractel® (0031 (0)765435135).



Order products on day 1, will be shipped no later than day 2.



Order products on day 1, will be shipped no later than day 5. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.



# Global and local presence

Established more than 70 years ago, Tractel® today has significant manufacturing facilities in Europe (France, Germany, Poland, Spain), the USA (Minneapolis and Houston), Canada (Toronto and 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 and 10,000 distributors around the world, and employs more than 1,100 people.

This network of people, expertise and experience, shared across multiple locations, allows Tractel® to achieve global reach.

## Local service on a global basis

Tractel® works with distributor and rental partners, in addition to direct company sales, to reach customers around the world. These partnerships help us to deliver local sales, marketing and technical support, as well as comprehensive service and maintenance programmes.

In practice, we organise training programmes; supply marketing materials, such as videos, customer testimonials, point-of-sale materials; implement product configurators and decision-support tools for end-users; and accompany our distribution partners to present our solutions to end-customers.

Tractel Benelux is located in Breda  
Paardeweide 38, 4824 EH Breda  
Tel: 076 543 5135  
E-mail: [sales.benelux@tractel.nl](mailto:sales.benelux@tractel.nl)



# General conditions of use

Of Tractel Benelux B.V. (hereafter referred to as "Tractel") in BREDA.

## Article 1 Applicability

Para 1 - These General Conditions apply to all offers from Tractel and all agreements with Tractel.

Para 2 - Any deviating arrangements will be effective only insofar as they have been confirmed by Tractel in writing.

## Article 2 Offers and Agreement

Para 1 - The offers and quotations from Tractel are without any obligation, unless the opposite has been determined expressly in writing.

Para 2 - Where an order is placed by the customer without a prior offer by Tractel, an agreement will become effective only if Tractel confirms the order in writing within eight days of receipt or actually executes the order. If the agreement is concluded in writing, it will become effective on the day it is signed by Tractel.

Para 3 - Oral promises by and arrangements with employees of Tractel will be binding on Tractel if and insofar as they have been confirmed by a legally authorised representative of Tractel.

## Article 3 Prices

Para 1 - Prices are ex VAT. If the cost factors (including the costs of wages and materials) are subject to an increase between the conclusion of the agreement and the date of delivery, Tractel will be entitled to increase the prices accordingly.

## Article 4 Payments

Para 1 - Payments must be received by Tractel within 14 days of the invoice date at the latest, unless a different term has been agreed in writing. Payments must be made without any deduction or set-off and without suspension due to an alleged or actual nonconformity on the part of Tractel. The prices stated are in euros and ex VAT.

Para 2 - If payment does not take place within the term defined in paragraph 1, the customer will be in default without further notice of default, and will owe default interest at 1% a month from the invoice's due date, without prejudice to the other rights of Tractel.

Para 3 - Tractel is entitled to demand adequate security prior to delivery, irrespective of the agreed payment conditions. Where such security is not provided, Tractel will be entitled to suspend further performance of the agreement.

Para 4 - Any legal and other costs to be incurred by Tractel in order to ensure compliance with the payment obligation of the customer will be payable by the customer. Those costs are at least 15% of the outstanding amount, with a minimum of € 50, such without prejudice to Tractel's right to claim the higher, actual damages

## Article 5 Retention of title

Para 1 - Any goods already delivered will remain the property of Tractel until the customer has complied in full with all its payment obligations arising from any agreement between parties, without prejudice to the customer's obligation to pay in good time. The customer will be liable for any damage done to the delivered goods, which have remained the property of Tractel under this provision.

Para 2 - If the customer fails to comply with its payment obligations or fails to do so in good time, Tractel will be irrevocably authorised to repossess the goods which are its property on the basis of the previous paragraph, without any notice of default or judicial intervention being required.

Para 3 - The customer will not be authorised to permit third parties to use the goods, to rent out, pledge or transfer the ownership of the goods, or to dispose of or encumber the goods in any other manner, until they have been paid for in full. However, the customer is entitled to sell, rent out or deliver the goods, in accordance with their purpose, within the context of its normal business activities.

Para 4 - The customer is not entitled to a right of retention or a right of suspension in respect of the delivered goods.

## Article 6 Delivery dates

Para 1 - Delivery dates are stated to the best of Tractel's knowledge, but those dates will never be absolute deadlines. In the event of failure to deliver in time, the customer must demand delivery in writing, whereby Tractel will be given a reasonable extension of the delivery date of at least 14 days.

Para 2 - If the extended term referred to in paragraph 1 is also exceeded, the customer will be entitled to dissolve the agreement without written notice insofar as no delivery has as yet taken place, without Tractel being held to pay any damages in such case. Tractel will then be entitled to invoice that part of the agreement that has already been fulfilled separately, and the customer must pay those invoices as if they concerned a separate agreement.

## Article 7 Delivery

Para 1 - The time when the goods leave Tractel's warehouse (ex warehouse) applies as the delivery time and the time when the risk is transferred to the customer.

Para 2 - Unless otherwise has been agreed in writing, dispatch will take place at the expense and risk of the customer. If delivery takes place from the company premises of a third party, dispatch will be at (the expense and) risk of the customer, from the moment when the goods have left the company premises of said third party. The provisions of this paragraph also apply where transport is organised by – whether or not at the expense of – Tractel.

## Article 8 Force majeure

Para 1 - Any unforeseen circumstances, such as disruptions and impediments affecting the business operations of Tractel and/or the suppliers of Tractel, for example strike actions, lockouts, export and import bans or restrictions, attachments of any kind and for whatever reason, fire, accidents or new relevant legal provisions, constitute force majeure and entitle Tractel to suspend or cancel its delivery obligations in full or in part.

## Article 9 Warranty

Para 1 - The warranty period for the delivered goods is 12 months, beginning at the time of delivery (see Art. 7).

Para 2 - If any defects as a consequence of manufacturing and/or material faults occur within the warranty period defined in paragraph , Tractel will repair those defects or make available the parts necessary for repair, replace the goods in question in full or pay a maximum of the invoice value of the goods, such to be decided by Tractel. Any call-out charges to be incurred by Tractel in that respect or any transport/ dispatch costs are not covered by the warranty.

Para 3 - Any goods returned in connection with a warranty can be accepted only if Tractel has agreed thereto in writing and if the receipt number or invoice number and date of the returned goods are included.

Para 4 - Any claims under a warranty must be reported (in writing) to Tractel within 8 days of the occurrence of the defect. In the absence of a timely claim, any entitlement under a warranty will no longer apply.

Para 5 - Not included in a warranty issued by Tractel are, in any case, any defects occurring in, or fully or partially the consequence of: failure to observe the user manual, operating instructions, etc., and/or any use other than the intended normal use; normal wear and tear; assembly/ installation or repair by third parties, the application of any government regulation concerning the nature or quality of the used materials; and any parts obtained by Tractel from third parties, insofar as those third parties have not issued a warranty to Tractel.

Para 6 - If the customer fails to comply with its contractual obligations, or fails to do so properly or in good time, Tractel will not be held to issue any warranty or pay any damages, of whatever description.

## Article 10 Complaints

Para 1 - The customer must, at the risk of forfeiting all its rights, report to Tractel (in writing, stating a receipt or invoice number), any defects/faults that could be discovered or reasonably should have been discovered during a thorough inspection within 8 days of delivery. Where parties have agreed an inspection period and that period has lapsed without any written complaints about any defects/faults that have been identified or reasonably should have been identified, the good will be considered to have been accepted.

Para 2 - Any complaints about invoices must be submitted in writing within eight days of the date on the invoices.

Para 3 - Any deviations and differences in colour, size and weight that are minor and/or common in the sector can never provide a ground for complaints.

## Article 11 Liability

Para 1 - Any liability on the part of Tractel for any damage arising from or relating to the execution of an agreement will always be limited to the amount paid in the relevant case under the product and professional indemnity insurance it has effected, increased by the amount of the excess which, according to the policy conditions, is not payable by the insurer.

Para 2 - If, for whatever reason, the provisions of para. 1 of this article do not apply, the liability of Tractel will always be limited to the amount that was charged for the agreement with regard to which the damage was inflicted, or in the event of a continuing performance contract, to an invoice amount over a max. period of six months. The compensation referred to in this para will never exceed € 25,000.

Para 3 - Tractel will never be liable for any consequential damage or for any damage that is the consequence of:

- incorrect and/or incomplete data and/or data not provided in time, originating from the customer;

- failure to observe the user manual / operating instructions and/or improper use.

Para 4 - The limitation of liability stipulated in this article does not apply if the damage is the consequence of intent or wilful recklessness on the part of Tractel and/or its – whether or not subordinate – supervisory staff.

Para 5 - After the lapse of one year after commencement of the day following that on which the customer became aware of the damage, or could reasonably been aware of this, any right of action on the part of the customer will cease.

Para 6 - The Seller shall not be liable for delay or failure to perform one of its obligations under the Agreement should the delay or failure be the direct or indirect result from circumstances which are beyond its reasonable control and independent from its will such as - but not limited to - disease outbreaks or pandemics (covid-19, etc.).

Para 7 - The Seller (Tractel) shall make its best efforts to determine which of its obligations it is being prevented from complying with, and when possible will give an estimate of the period during which it is likely that it shall be prevented from complying with the said obligation or obligations. The Parties undertake to get in contact before the end of such period to jointly determine the consequences on the timetable, the financial aspects and practicalities to resume works. In any case, the Purchaser will not be able to cancel any order, as long as the delays resulting from the said circumstances not exceed 3 months from its date of notice.

## Article 12 Dissolution

Para 1 - In the event of the bankruptcy or suspension of payments of the customer, or any petitions to that effect, or an attachment is made of the customer's assets, Tractel will be entitled to dissolve the agreement by means of a written notification, without any notice of default or any judicial intervention being required.

Para 2 - If one or more of the situations mentioned in paragraph 1 occurs or occur, Tractel will be entitled to halt the (further) deliveries under a (partially completed) order, without any right arising from the agreement being invalidated as a result. Neither does continuation of the deliveries imply the relinquishment of any right.

## Article 13 General

Para 1 - If it becomes evident that one or more provisions from these General Conditions are invalid, or if, for whatever reason, it is impossible to demand compliance with them, the other provisions of these General Conditions will remain in full force, and parties will consult with one another about the invalid provision or the provision with regard to which it is impossible to demand compliance, and discuss the way in which the purport of the relevant provision can be enforced in the best possible manner.

## Article 14 Disputes

Para 1 - Any disputes relating to the offers issued by Tractel and/or agreements concluded with Tractel will be settled exclusively by the competent judge in the judicial district of the Zeeland - West-Brabant District Court in the Netherlands.

Para 2 - All offers and quotations from Tractel and agreements concluded with Tractel and all contracts arising from them are governed exclusively by Dutch law. The applicability of the Vienna International Sales Convention (CISG) and any other international sales conventions is excluded.

## Article 15 Deposition

Para 1 - These General Conditions of Sale have been deposited with the Chamber of Commerce and Industry in Breda, the Netherlands, under no. 20086113. 20086113.

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harnesses**  
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